

Due Diligence Report – Social Safeguards

Document Stage: Draft
Project Number: 43253-025
March 2017

IND: Karnataka Integrated Urban Water Management Investment Program (Tranche 1) - Byadagi Town Water Supply Subproject

Package Number: 01WS03

Prepared by Karnataka Urban Infrastructure Development and Finance Corporation,
Government of Karnataka for the Asian Development Bank.

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Land Acquisition and Due Diligence Report

Document Stage: Draft for Consultation
Project Number:
March 2017

INDIA: Karnataka Integrated Urban Water Management Investment Programme (KIUWMIP) Tranche 1 – Byadagi Town Water Supply Sub project: Laying of water supply distribution network and construction of overhead water tank (01WS03)

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CURRENCY EQUIVALENTS

	(As of 15 March 2017)	
Currency Unit	=	Rupee (INR)
INR1.00	=	USD 0.015
\$1.00	=	Rs 65.47

ABBREVIATIONS

ADB	Asian Development Bank
BPL	Below poverty line
CBO	Community based organizations
DDR	Due diligence report
DMS	Detailed Measurement Surveys
DSC	Design and Supervision Consultants
DWF	Dry Weather flow
FGD	Focus group discussion
GoK	Government of Karnataka
GRC	Grievance Redressal Committee
GRM	Grievance Redress Mechanism
GRU	Grievance Redress Unit
INRM	India Resident Mission
KIUWMIP	Karnataka Integrated Urban Water Management Investment Program
MFF	Multi tranche financing facility
NOC	No objection certificate
PMU	Project Management Unit
PWD	Public Works Department
RoW	Right of way
S&D	Sewerage and drainage
SIA	Social impact assessment
SMU	Safeguard monitoring unit
SPS	Safeguard Policy Statement
SSE	Social safeguard expert
SSO	Social safeguard officer
SWF	Storm water flow

WEIGHTS AND MEASURES

ha	—	Hectare
kL	—	Kilo litre
km	—	Kilometer
lpcd	—	Liters per capita per day
Mld	—	Million liters per day
m	—	Meter
m2	—	Square meter

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I. PROJECT BACK GROUND

A. Introduction

1. ADB is helping the Indian state of Karnataka improve water resources management in selected urban areas of the Upper Tunga Bhadra sub-basin. Water supply and waste water systems suffer from under-investment throughout the state of Karnataka. Current water supply is intermittent. The absence of scientific wastewater treatment and sewerage systems contaminates ground water posing a health risk to the public. If the issues associated with the poor water management in the state are not resolved, the state's economic growth will be stunted; public health will be deteriorated; and water resource disputes will be escalated.
2. The Project 1 of Karnataka Integrated Urban Water Management Investment Program (KIUWMIP, the Program) was initiated by the Asian Development Bank (ADB) with the Government of India (GoI) on Dec 30th 2014 with aims to improve water resource management in urban areas in a holistic and sustainable manner consistent with the principles of Integrated Water Resources Management (IWRM). Investment support is being provided to modernize and expand urban water supply and sanitation (UWSS), and strengthen institutions to improve water use efficiency, productivity, and sustainability. Assistance under the first phase will be used to expand and upgrade water supply and sanitation infrastructure in three towns - Byadagi, Davangere, and Harihara. The project will also improve water resource planning, monitoring, and service delivery. Projects 2 is currently being processed. The towns of Puttur, Kundapura, Uduppi and Mangalore will receive expanded water supply and sanitation systems under Project 2 to be funded by ADB.

B. Scope of this Report

3. This report is prepared based on the detailed project design proposed as part of Project 1 of KIUWMIP. Currently, the town of Byadgi is supplied through a surface source by the Tungabhadra Water Supply Scheme (commissioned in 2002). Under this scheme, water is supplied to Ranebennur, Byadgi and three enroute villages. The scheme was designed for 15.89 MLD of bulk water production. The allocated quantity to Byadgi is 3.3 MLD. Currently, Byadgi receives only 0.64 MLD (after utilization of en-route villages). Current demand for Byadgi is 5.16 MLD.
4. In the detailed design report, the subproject has split into two packages for implementation. These include:(i) a Bulk water supply package for the replacement of part of the transmission main of 8.7 km with DI K9 pipe (from chainage 20020 m to 28655), and (ii) a Distribution system package comprising (a) construction of one new overhead water storage reservoir of (one lakh litres) at Nehru Nagar zone (b) replacement of 101.5 km pipeline network by HDPE and DI K7 pipes, and (v) 7,389

house service connections with 100% metering. Operation & Maintenance of the implemented project of 24 x 7 water supply scheme will be for 5 years.

5. This Due Diligence Report (DDR) is prepared for the Water Supply Distribution components proposed under Water Supply Subproject in Byadgi town.
6. The table below describes the key investment components of this sub project.

Table 1: Investment Components of Sub Project: Byadgi Town

Infrastructure	Description
Water Supply System	<ul style="list-style-type: none"> • Distribution system package comprising; replacement of 101.5 km pipeline network by HDPE and DI K7 pipes from 63 mm to 300 mm Diameter • Distribution system package comprising; construction of one new overhead water storage reservoir of (one lakh litres) at Nehru Nagar zone. • Installation of 7389 Household water meters

7. The Water Supply Distribution components for Byadgi sub project is classified as “Category C” for Involuntary Resettlement (IR) impact as per ADB’s Safeguard Policy Statement (SPS), 2009.
8. This DDR is prepared based on the detailed project design for the sub project components and is based on ADB’s Safeguard Policy Statement 2009, and provisions of the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act (also the Land Acquisition Act), GOI, 2013. This report describes the findings and provides copies of available land-related documents, public consultations and photographs
9. Upon project implementation, the social safeguards personnel at PMU will be required to undertake a review of this due diligence, prepare a confirmation letter or report documenting any modifications for the subproject and submit to ADB; and receive a ‘no objection’ confirmation from ADB prior to start of construction in the subproject

C. **Geographic Information of Byadgi**

10. Byadgi is a town in the Haveri district of Karnataka, India. Byadgi is a small town with limited urbanization and traffic density. The most famous place in the area is the Kaginele Kanakadas Temple located 15 km northeast in direction of Byadgi town. Byadgi is well known for the Byadgi Chilli. There are no major industries around Byadgi.

11. The town is located at a latitude of 14°41'18" N and longitude of 75°29'19"E, at an average altitude of 630 m above the mean sea level (MSL). Byadgi has the status of Town Municipal Council (TMC). The town is divided into 23 wards and spreading to an area of 4.20 sq. Km.
12. Byadgi is located on plain terrain. The geology consists of Ranebennur group of Dharwad rock formation and consists of gravel and chlorite phylites.
13. There are no notable rivers and streams in and around the Byadgi town. Hombaraddikere (Lake) is the major water body near to Byadgi town in addition to few small tanks in the town limit.
14. **Climate:** Byadgi has a tropical climate characterized by general dryness except during monsoon. The average annual rainfall of Byadgi is 753 mm. Rainfall occurs in monsoon seasons from June to September.
15. Byadgi sees a slight variation in temperature through the year. With the average maximum and minimum temperatures at 38°C in May and 22°C in Dec respectively. The relative humidity is high during monsoon, 80.7 % and low in February 55 %.

D. Demographic Information of Byadgi

16. Byadgi population has grown from 25,663 in 2001 to 30,600 in 2011 with a growth rate of 19.24 %. The lowest growth rate of 6.65 was observed during 1961-71 and the highest was recorded in the decade 1921-1931 at 40.17 percent. Details of decadal population growth are indicated in the table below.

Table 2: Population Growth- Byadgi Town

Year	Population	Decadal Growth Rate
	Nos.	%
1921	5,502	-
1931	7,712	40.17
1941	8,783	13.89
1951	11,625	32.36
1961	13,450	15.70
1971	14,345	6.65
1981	17,935	25.03
1991	20,574	14.71
2001	25,663	24.74
2011	30,600	19.24

17. The population density of Byadgi Town was 4,270 persons per square kilometre in the year 1981 and it increased to 7,286 persons per square kilometre in 2011.
18. **Sex Ratio.** The current sex ratio (female population per 1,000 male population) in Byadgi is 983, which is higher than the district and state urban average figures of 945 and 940 respectively. The sex ratio is showing an increasing trend from the year 1971

to 2011, which indicates that the female population is growing at a faster rate than the male population.

19. **Literacy.** The literacy rate of the city is 67.0 percent (2011 census).

II. SUB PROJECT COMPONENTS

20. The table below describes the details of the sub project:

Table 3: Proposed Water Supply Distribution network Components

Sub components	Description	Location and IR impact
Water Supply System	<p>Water Supply distribution network: Total length of the distribution network is 101.5 km</p> <p>101.5 km length HDPE pipes</p> <ul style="list-style-type: none"> • 63 mm - 7,608 m • 75 mm - 39,865 m • 90 mm - 21,819 m • 110 mm - 11,244 m • 140 mm- 2,477 m • 160 mm - 6,535 m • 200 mm - 6,579 m • 250 mm - 4,025 m • 300 mm- 1,364 m <p>1.364 km DI pipes</p>	<p>Laying of water supply pipeline is planned within (edge of the carriageway) the existing right of way of city roads.</p> <p>The maximum COI of the proposed Water network is 1m.</p> <p>No land acquisition required. ROW is available and sufficient for civil works and has no encroachment.</p>
Water Supply System	Construction of a new overhead tank of (one lakh litres capacity) OHT proposed	at Nehru Nagar sub Zone -3 Revenue survey number 43,42 of Byadgi town; OHT will be constructed in a vacant Government land beside the existing OHT at Nehru Nagar; No land acquisition; No IR impact envisaged
House Service Connections (HSC)	7389 Nos. at Zone 1,2,3,4 and 5. All the properties will be connected with HSC with meters	At each house in the service area

III. LAND AVAILABILITY AND RESETTLEMENT IMPACTS:

21. A joint site visit conducted by the Resettlement specialist and Design engineer of the consultant team between 1st April 2016 to 30th May 2016 along the busy areas (commercial centres and narrow streets) of the project city has confirmed that all components of the water supply sub projects are either located on vacant government land or along the existing right of way (RoW) of the city roads.
22. The site earmarked for construction of Over Head tank (OHT) at Nehru Nagar is currently in possession of Byadgi TMC (ownership details in annexure). Hence there is no impact. There is no land acquisition.
23. The figure below shows the main alignments of the pipelines.

Map 1: BYADGI TOWN Water Supply Distribution Network



24. The table below shows the land ownership and IR impacts for the Water Supply Distribution in the City (pictures and details of road sections are present in the annexure).

Table 4: Land Ownership and IR impacts for Water Supply Distribution

Source: Census survey, October, 2016

Name of the Road	Size of the distribution system pipeline	ROW (m)	Required trench width (m)	IR Impact
Rattihalli Road	110 mm Dia	12	0.75	Nil
Nehru Nagara Road	75 mm Dia	7	0.60	Nil
Hamsabhavi Road	110 mm Dia	15	0.75	Nil
Gandhinagara Main Road	160 mm Dia	13	0.80	Nil
Rattihalli Road	75 mm Dia	14	0.60	Nil
Melgiri Plot Road	75 mm Dia	8	0.60	Nil
Vidya Nagara Road	75 mm Dia	8	0.60	Nil
Rattihalli Road	110 mm Dia	12	0.75	Nil
Nehru Nagara Road	75 mm Dia	7	0.60	Nil

Source: Census survey, October, 2016

E. Temporary Impact

25. The entire Water Supply distribution network for a length of 101.5 km will be laid along the right of way in residential areas. The existing Right of Way (RoW) of the subproject roads varies from 7m to 15 meters. Keeping in view the unavailability of the uniform RoW and existing ribbon development along the subproject roads, multiple design criteria are adopted to ensure avoidance of any adverse impacts to the roadside settlers. No displacement of vendor/hawkers is envisaged. No involuntary Resettlement (IR) impact is envisaged in the construction of the Overhead tank (One Lakh Litres) at Nehru Nagar or in the installation of the 7,389 household water meters
26. The joint site reveals that there will be minimal temporary impact. Most of the distribution alignment is along roads with road width above five meters (see photographs of the proposed alignments with details of road widths in the annexure). Most of the trenching will be along one stretch of the road (at any time). This is likely to minimize disruptions and impacts. However, some traffic movement may be restricted during the construction period. Facilities (planking etc.) for the pedestrian movement will be provided. Affected hawkers and vendors if any will be assisted by the contractor to move to the other side of the road and returning after construction is completed. Where they are not required to shift, access will be ensured by the contractor. The construction period will be minimized and is estimated to be less than 7 days per section of work. No major impacts on businesses and their employees are anticipated. Other mitigations efforts will include guarding open pits against safety hazards, managing traffic flows as per the traffic management plan prepared by the

contractor in coordination with local authorities and communities; conducting major portion of the works at night and providing contact numbers for local officials.

27. **Categorisation** This project is classified as Category 'C' in accordance with ADB's Safeguard Policy Statement (SPS). ADB's SPS covers both temporary and permanent impacts to both titled and non-titled persons, and includes both physical and economic displacement
28. **Implementation Schedule:** Project implementation period (civil works) is expected to require 18 months to complete.
29. **Monitoring and Reporting:** The social Development Officer at PMU Head Office will update the DDR. SDO of RPMU will be responsible for regular monitoring. The PMU would prepare quarterly monitoring reports on construction process, DDR implementation and identifying potential problems. Monitoring reports will also contain resettlement compliance apart from progress in DDR implementation. The reports will be submitted to ADB on a half yearly basis in the Social monitoring report (SMR).

Table 5: Proposed Water Supply Distribution network Components in this sub project: Byadgi Town

SL. No.	Infrastructure	Function	Description				Location	Resettlement Impact
A. Water Supply Distribution Network Component								
1	Distribution system pipelines	Distribute treated water has been proposed all areas	Laying of 101.5 Kms of proposed Distribution network				Supply and laying of pipes on public roads covering the all roads in the town.	No impact envisaged, in residential area.
			Name of the Road	Size of the distribution system pipeline	ROW (m)	Required trench width (m)		
			Rattihalli Road	110 mm Dia	12 metres	0.75 m		
			Nehru Nagara Road	75 mm Dia	7 metres	0.60 m		
			Hamsabhavi Road	110 mm Dia	15 metres	0.75m		
			Gandhinagara Main Road	160 mm Dia	13 metres	0.80m		
			Rattihalli Road	75 mm Dia	14 metres	0.60m		
			Melgiri Plot Road	75 mm Dia	8 metres	0.60m		
			Vidya Nagara Road	75 mm Dia	8 metres	0.60m		
			Rattihalli Road	110 mm Dia	12 metres	0.75m		
			Nehru Nagara Road	75 mm Dia	7 metres	0.60m		
2	Construction of one new OHT of 1 Lakh Litres capacity	Storage of treated water					Nehru Nagar	No impact envisaged, in Government land.
3	Installation of domestic meters including regularizing household connection	Water audit	Providing new House Service connections for about 7389 Nos.				Water meters to be installed on each HSC connection.	No impact

IV. FIELDWORK AND PUBLIC CONSULTATION

30. Formal consultations were carried out by engineers of Project Implementation Unit (PIU) to prioritize and finalize works to be taken under the programme. These were supplemented by a series of informal discussions by the PMDCSC Engineering consultants, mainly on understanding the current situation. On 10.02.17 public consultations were conducted extensively with residents, shopkeepers, vendors etc along the alignment of the water supply distribution to assess the impact of proposed civil work on the livelihood of the people and also to update the Due Diligence Report (DDR). Respective Ward Councillors were present in the public consultation process and supported the project by creating awareness about the subprojects and requested the people to support the project during implementation. Over 10 sets of stakeholders were consulted with across the wards. The appendix contains details of the consultations and photographs of the consultations in the wards. The public consultation and disclosure will remain a continuous process throughout the project implementation period.
31. **Issues discussed in the Public Consultation** included providing details of the subproject to stakeholders in the public consultation. The inconvenience to access shops and residences during construction (even with access provided by the contractor) and that hawkers and vendors would be provided assistance with shifting for the duration of the constructions was explained to the participants. The Grievance Redress Mechanism and Entitlement Matrix were explained in detail and contact details of the responsible people in the ULB were provided. Suggestions were requested.
32. **Suggestions from the stakeholders** included a willingness to support the completion of civil works and a willingness to deal with the inconvenience of the subproject; limiting period of time for open trenches; maintaining access to shops by providing planks and leaving spaces to avoid disturbance to residents and businesses, open pits to be guarded properly for safety reason, especially during day time working period, near road crossings, near school complex, etc.; managing traffic flows as per the traffic management plan prepared by the contractor in coordination with local authorities and communities; completing works quickly where large numbers of businesses are located, avoiding full street closure to the extent possible, providing employment opportunities to the displaced persons (DPs) during construction works, especially vulnerable APs, if necessary
33. The resettlement census of the subproject AP's was completed on 10th February 2017. This date has been identified as the cut-off date for compensation. Persons who occupy land in the project area after the cut-off-date are not eligible for compensation or resettlement assistance. During the DDR implementation phase,

detailed procedural formalities for access to the entitlement benefits will be further disclosed to the APs if any. The project implementation unit (PIU) at the ULB level and RPMU-CPMU at KUIDFC will extend and expand the consultation and disclosure process during the project implementation stage

V. CONCLUSION

F. Summary and Conclusion

34. All the pipeline alignment is along the ROW of the city. No IR impact is envisaged. The Traffic Management Plan must be followed during the construction and the work must be conducted at lean hours much as possible to minimize disturbance to residents and businesses. Local labour must be used as much as possible.

G. Next Steps

35. DDR to be updated prior to project implementation, formally approved by ADB and disclosed as per standard practice.

Table 6: Implementation Schedule

Activities	Base year prior to State of Implementation 2017												Year 1 -2018				Year 2- 2019			
	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
RPMU established in 2015																				
GRC & DLIC Established																				
Appoint Contractor with safeguards personnel																				
Conduct IR training for, Consultants, Project Staff and contractors for awareness building																				
Update draft DDR to reflect final impact and vulnerable DPs according to final design																				
Consultations and disclosure of Updated DDR to ULB																				
Review and approval (by PMU and ADB), proceed with DDR disclosure																				
Start of civil works/carry over repairs																				

ANNEXURES

Annexure 1: Sample Pamphlet of PID (Project Information Disclosure)

A. Program Background

Karnataka Integrated Urban Water Management Investment Program (KIUWMIP) is an ADB financed program on improvement of sustainable urban service of water supply and sanitation (UWSS) for selected towns / ULBs of Karnataka. The towns suffer from irregular and insufficient urban service in the state. The towns were selected based on IWRM principle and manageability of program implementation through the PPP model. Selection process of the towns was in consultation with the project proponent, KUIDFC and subject towns through a series of stakeholder consultation process.

B. Project description and component

Currently, the town of Byadgi is supplied through a surface source by the Tungabhadra Water Supply Scheme (commissioned in 2002). Under this scheme, water is supplied to Ranebennur, Byadgi and three enroute villages. The scheme was designed for 15.89 MLD of bulk water production. The allocated quantity to Byadgi is 3.3 MLD. Currently, Byadgi receives only 0.64 MLD (after utilization of en-route villages). Current demand for Byadgi is 5.16 MLD.

In the detailed design report, the subproject consists of a Distribution system package comprising (a) construction of one new overhead water storage reservoir of (one lakh litres) at Nehru Nagar zone (b) replacement of 101.5 km pipeline network by HDPE and DI K7 pipes, and (v) 7,389 house service connections with 100% metering. Operation & Maintenance of the implemented project of 24 x 7 water supply scheme will be for 5 years.

C. Policy and principle of DDR implementation

The resettlement principles adopted for mitigating involuntary resettlement impact will adopt the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (Act 30 of 2013), and the relevant Asian Development Bank's (ADB) Safeguards Policy Statement (SPS) of 2009 and Operations Manual F1 (2010). The DDR has been prepared keeping all these policies and principles in view and will be implemented after updating impact during detailed design and measurement survey.

E. Entitlement

No land acquisition is involved and hence cost of land compensation is not envisaged. Since the construction of the water supply distribution is in proposed to be laid in the right of way there is no temporary displacement of hawkers/ vendors having temporary loss of income during construction period

F. Institutional Arrangement

Byadagi City and PIU will be responsible for implementation of DDR and KUIDFC will establish a Regional Programme Management Unit(RPMU) which will have resettlement officer to guide ULB and monitor DDR activities. ULB will assign one staff for the DDR monitoring and one NGO will be employed at ULB level to

assist RO and implement all DDR activities as well as carry on consultation process with the APs. For computation and disbursement of compensation and resettlement assistance if any a District level Resettlement committee (DLRC) will be set up. In addition, one reputed NGO will be engaged, as an independent third party to monitor compensation to temporary displaced vendors, Hawkers and Affected families if any to ensure that due procedures are followed.

G. Grievance Redress Mechanism

To resolve all project related grievances and complaints a common social and environmental grievance redress mechanism will be in place. The common and simple grievances will be sorted out at project site level by RO and NGO within 7 days. More serious ones will be sent to RPMU and be forwarded to Grievance Redress Committee (GRC) at district level to be resolved within a period of one month. If the DPs are not satisfied with the GRC/SC's decision they can approach Court of Law of the state.

Details for inquiries

Name : B.A.Nagalapura Designation : Chief Officer Town Municipal Council Byadgi Telephone: 08375- 2220310 Mob: 8748854117,7899141117 E-mail: commissioner.byadgi@gmail.co Address: Town Municipal Council Byadgi Haveri District Karnataka State	Name: Suresh Designation: Assistant Executive Engineer Project Implementation Unit (PIU) KIUWMIP Telephone No: 9035533303 08375- 2981109 E-mail: sureshaeekiwmipbyadgi@gmail.com Address: Town Municipal Council Byadgi Haveri District Karnataka State
Position - Vacant Designation: Deputy Project Director KIUWMIP, RPMU-Davanagere Telephone No: 9448446099 08192- 224433 E-mail: rpmukiwmipdavanagere@gmail.com	

Annexure 2 : Public Consultation

Name of the ULB: Town Municipal Council Byadgi

Water Supply sub project: 24X7 Water Supply Distribution Network to Byadgi Town

Date: 10.02.2017

S. No	Name and address of the person consulted	Contact Number	Issues discussed	What improvement is required in the present condition	Contacted person is the beneficiary of the proposed project Yes/ No	Proposed project cause any social issue? Yes/ No (If yes provide details)
1	Raghavendra Hubli Hansbhavi Road Byadagi	7760344673	Portable water problem and Subproject details	Improvement in the distribution system and water supply as per demand	Yes	No
2	Mr.Mehaboobsab Olekar, janatha plot Ward No 9, Agasanahalli Byadagi	-	Drinking water scarcity and subproject details	Improvement in the distribution system and water supply as per demand	Yes	No
3	Mr.Subhas, Davanagere, Agasanahalli Byadagi	9972897362	Water supply distribution system and subproject details	Improvement in the distribution system and water supply as per demand	Yes	No
4	Mr.ChennabasappaSh ettar, Melagiri plot Byadagi	8553568963	River is the source of water improvement and subproject details	Improvement in the distribution system and water supply as per demand	Yes	No
5	Mr.Ganesh Mudhol, Vidhya Nagar Byadagi	9731097815	Water scarcity and subproject details	Continuous supply of water even summer	Yes	No
6	Mr.Laxman Vasannavar, Rattihalli Road Byadagi	9632702186	Water scarcity and subproject details	Regular water supply	Yes	No
7	Mr. Krishna Kalkati, Vivekanand Nagar Byadagi	9739855735	Water scarcity and subproject details	Regular water supply	Yes	No
8	Mrs.Pushpa Purneshappa Nelagur	8277587194	Water scarcity and subproject details	Regular water supply	Yes	No

S. No	Name and address of the person consulted	Contact Number	Issues discussed	What improvement is required in the present condition	Contacted person is the beneficiary of the proposed project Yes/ No	Proposed project cause any social issue? Yes/ No (If yes provide details)
	(Sannadurgappa) Gandhinagar					
9	Mr. Nagaraj, Dhobi shop Banashankari Temple Road Byadagi	9108805144	Present status of water supply and sub project details	Regular water supply throughout the year	Yes	No
10	Mr. Ravi Veereshwara Hotel Banashankari Temple Road Byadagi	9844980281	Issues in regular water supply and sub project details	24X7 Water supply is good and water meter should be fixed to every House Service Connection	Yes	No
11	Mr.Basavaraj Daneshwari Provision stores Nehru Nagar Byadagi	9481940165	Regarding the present water supply in the town and details of the sub project	24X7 water supply is the best option. If it is not possible regular water supply once in 2 days	Yes	No

Annexure 3 : Pictures of Public Consultation



Site verification with ULB Officers, Consultants and Public



Consultation with Chief officer TMC Byadgi



Consultations with Local residents

Public Consultations with Residents along the Pipeline



Shop keeper Janatha Plot, Byadgi



Residents of Janatha Plot, Byadgi



Residents of Hamsabhavi Road, Byadgi.



Residents of Agasanahalli Road, Byadgi



Shop keeper Gandhi Nagara, Byadgi.



Resident of Agasanahalli Byadgi Road, Byadgi.



Shop keeper Vivekananda Nagara, Byadgi



Resident of Melgiri Plot, Byadgi.



shop keeper Railway station road, Byadgi



Residents of Nehru Nagara, Byadgi



Residents of Byadagi Main Road near State Bank



Consultation with flower vendors in Nehru Circle



Annexure 6 : Details of Road Sections of Pipeline Alignment with IR impact

	
<p>Rattihalli Road- It has a ROW of 12 m. Existing road is a dual-lane road. Land use pattern found in corridor of road subproject is predominantly agricultural; 110mm dia distribution pipes to be laid with a trench requirement of 0.75 m.</p>	<p>Nehru Nagar Road- 7m Road width, 75mm dia distribution pipes to be laid. This road is in a residential area</p>
	
<p>Hamsabhavi Road- 15m Road width, 110mm dia distribution pipes to be laid This road is in the residential area</p>	<p>Gandhi Nagara Main Road- 13m Road width, 160mm dia distribution pipes to be laid</p>



Rattihalli Road- 14 m Road width, 75mm and 63 mm dia distribution pipes to be laid, commercial and residential road area





Melgiri Plot Road- 8m Road width, 75mm dia distribution pipes to be laid. This road is in a residential area



Vidya Nagara Road- 8m Road width, 75mm dia distribution pipes to be laid This road is in a residential area



Melgiri Plot Road- 7m Road width, 75mm dia distribution pipes to be laid This road is in a residential area

	
<p>Gandhi Nagara Road- 12m Road width, 160 mm dia 110mm dia distribution pipes to be laid. Main road</p>	<p>Vivekananda Nagara Road- 10m Road width, 63mm dia distribution pipes to be laid. Water Bound Macadam(WBM) Road</p>

Annexure 7: Involuntary Resettlement Impact Categorization Checklist

Probable Involuntary Resettlement Effects	Yes	No	Not Known	Remarks
Involuntary Acquisition of Land				
1. Will there be land acquisition?				No
2. Is the site for land acquisition known?				Yes, is Government Land in right of way.
3. Is the ownership status and current usage of land to be acquired known?				
4. Will easement be utilized within an existing Right of Way (ROW)?		No		
5. Will there be loss of shelter and residential land due to land acquisition?		No		
6. Will there be loss of agricultural and other productive assets due to land acquisition?		No		
7. Will there be losses of crops, trees, and fixed assets due to land acquisition?		No		
8. Will there be loss of businesses or enterprises due to land acquisition?		No		
9. Will there be loss of income sources and means of livelihoods due to land acquisition?		No		
Involuntary restrictions on land use or on access to legally designated parks and protected areas				
10. Will people lose access to natural resources, communal facilities and services?		No		
11. If land use is changed, will it have an adverse impact on social and economic activities?		No		
12. Will access to land and resources owned communally or by the state be restricted?		No		
Information on Displaced Persons:				
Any estimate of the likely number of persons that will be displaced by the Project? : [No]				
Are any of them poor, female-heads of households, or vulnerable to poverty risks? [No]				
Are any displaced persons from indigenous or ethnic minority groups? [No]				

Annexure 8: Sample Grievance Registration Form

(To be available in Kannada & English)

The _____ Project welcomes complaints, suggestions, queries, and comments regarding project implementation. We encourage persons with grievance to provide their name and contact information to enable us to get in touch with you for clarification and feedback.

Should you choose to include your personal details but want that information to remain confidential, please inform us by writing/typing *(CONFIDENTIAL)* above your name.

Thank you.

Date			Place of Registration			
Contact Information/Personal Details						
Name			Gender	* Male	Age	
				* Female		
Home						
Address						
Village/Town						
District						
Phone no.						
E-mail						
Complaint/Suggestion/Comment/Question – Please provide the details (who, what, where, and how) of your grievance below:						
If included as attachment/note/letter, please tick here:						
How do you want us to reach you for feedback or update on your comment/grievance?						

FOR OFFICIAL USE ONLY

Registered by: (Name of Official Registering Grievance)	
Mode of Communication: Note/Letter E-mail Verbal/Telephonic	
Reviewed by: (Names/Positions of Officials Reviewing Grievance)	
Action Taken:	
Whether Action Taken Disclosed:	
Means of Disclosure:	