# Land Acquisition, Involuntary Resettlement and Indigenous Peoples Due Diligence Report

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## **CURRENCY EQUIVALENTS**

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Currency unit - Nepalese rupee (NRe)

\$1.00 = NRs109.821 NRe1.00 = \$0.009

### **ABBREVIATIONS**

ADB - Asian Development Bank
DMA - district metered area

DWSS - Department of Water Supply and Sewerage

PMO - project management office

RDSMC - regional design supervision and management consultant

RVT - reservoir tank

TDF - Town Development Fund

UWSSP - Urban Water Supply and Sanitation (Sector) Project

VDC - Village Development Committee WSS - water supply and sanitation

WTP - water treatment plant

WUSC - Water Users and Sanitation Committee

## **WEIGHTS AND MEASURES**

m³ – cubic meter km – kilometer

lps – liter per second msl – mean sea level mm – millimeter m² – square meter

## **NOTE**

In this report, "\$" refers to United States dollars.

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### I. INTRODUCTION

## A. Background

- 1. The Urban Water Supply and Sanitation (Sector) Project (UWSSP) will support the Government of Nepal expand access to community managed water supply and sanitation (WSS) in 20 project municipalities by drawing on experiences and lessons from three earlier projects funded by the Asian Development Bank (ADB). The project will fund climate-resilient and inclusive WSS infrastructure in project municipalities and strengthen institutional and community capacity, sustainable service delivery, and project development. Subprojects will be demand driven by Water Users Associations (WUAs) and project municipalities and selected based on transparent criteria² including population growth, poverty index, existing WSS infrastructure, community willingness for cost sharing, and long-term operation and maintenance (O&M) contract.3
- 2. The project will build upon the on-going efforts of the Government of Nepal in providing water supply and sanitation (WSS) services in urban areas of Nepal. It will help the country to meet Sustainable Development Goal (SDG)-6 to ensure availability and sustainable management of water and sanitation for all by 2030 and it is aligned with sector objectives laid out by the government's Fourteenth Plan, National Urban Development Strategy, and updated 15-year Development Plan for WSS in Small Towns, which is to improve water supply and sanitation service delivery in urban areas across Nepal.
- 3. The project will have the following impact: quality of life for urban population, including the poor and marginalized, through provision of improved sustainable WSS services.<sup>4</sup> The project will have the following outcome: Inclusive and sustainable access to water supply and sanitation services in project municipalities improved. The project will have two outputs: (i) water supply and sanitation infrastructure in project municipalities improved; and (ii) institutional and community capacities strengthened.

The Ministry of Water Supply (MOWS) is responsible for planning, implementation, regulation, and monitoring of WSS. The Department of Water Supply and Sewerage (DWSS) under the MOWS supports the provision of WSS facilities in municipalities where large utilities do not exist, and these are operated by WUSCs<sup>5</sup> or municipalities.<sup>6</sup> Shortage of investment funds, skilled personnel, and inadequate operation and maintenance (O&M) budgets, hinders municipalities from providing adequate, cost-effective services. The Local Governance Operation Act, 2017, established municipalities as autonomous government institution with responsibility for WSS services. While municipalities' capacity is being built, the government and residents have been receptive to the decentralized, participatory, and cost-sharing service provision model by Water Users Associations (WUAs). Development support for municipal WSS has been channeled

<sup>&</sup>lt;sup>1</sup> ADB. Nepal: Small Towns Water Supply and Sanitation Sector Project (2000); Nepal: Second Small Towns Water Supply and Sanitation Sector Project (2009); and Nepal: Third Small Towns Water Supply and Sanitation Sector Project (2014).

Subproject selection criteria are detailed in the PAM (footnote 24). Selection of future investments to be designed under the project will follow same criteria, with preference for investments located in Kathmandu Valley, provincial headquarters, and strategic border municipalities.

Procurement can only commence after DWSS and municipality sign management agreement with WUSC for 20 years O&M service. The municipality will own the system and the WUSC will be the operator.

<sup>&</sup>lt;sup>4</sup> Government of Nepal. 2009. *Urban Water Supply and Sanitation Policy*. Kathmandu.

<sup>&</sup>lt;sup>5</sup> The WUSCs, formed under the Nepal Water Resource Act, 1992, are the elected executive bodies of the Water Users Association.

<sup>&</sup>lt;sup>6</sup> The DWSS assists in preparation of investment plans, project design, and establishing sustainable service delivery.

through a combination of (i) government grants through DWSS, (ii) loans by the Town Development Fund (TDF),<sup>7</sup> and (iii) contributions from municipalities and beneficiaries.<sup>8</sup> The TDF also supports WUAs in institutional and financial management including the introduction of tariffs.

4. The project will be implemented over a five-year period (indicative implementation period is 2018 to 2023) and will be supported through ADB financing using a sector lending approach. The MOWS is the executing agency and DWSS the implementing agency. The project management office (PMO) established under ongoing Third Small Towns Water Supply and Sanitation Sector Project (footnote 1) will be responsible for the overall management, implementation and monitoring of the project. There will be regional PMOs (RPMOs) to manage day-to-day project implementation at the subproject/municipality level. After construction including a one-year O&M period by the contractor, subprojects will be operated. by the WUSC or municipality.

## B. Scope of this Report

- 5. This draft land acquisition, resettlement and indigenous peoples due diligence report is prepared for the water supply components under the proposed Charikot Urban Water Supply and Sanitation Subproject, under the UWSSP. The proposed service area for the water supply components includes the entire area of ward nos. 1 to 10 and parts of ward no. 12 and 13. The total households of the service area are 3842 and total population is 21,909 in base year 2016. Of these households, 41.25% are Janajati and 9.94% are Dalit.
- 6. The main objectives of the report are (i) documentation of due diligence conducted, and (ii) assessment of Involuntary Resettlement and Indigenous Peoples impacts and related issues.

## II. SUBPROJECT DESCRIPTION

- 7. The project area of Charikot Water Supply Subproject lies in Bhimeshwar Municipality Dolkha District, State no.3 of Nepal. Bhimeshwar (formerly Charikot), today Bhimeshwar Municipality, is the headquarters of Dolkha District. The municipality has been named after the very ancient and sacred destination Dolkha Bhimeshwar Temple. The project area includes entire ward of municipality except ward no.11. The project area covers Purano Bazar, Satdobato, Buspark, Dolakha, Makaibari, Charighyang, and Dharampani of Bhimeshwor municipality.
- 8. The project area lies between Latitude 270 37' 58" N to 270 44' 42" N and Longitude 850 05'12"E to 850 59'31"E. Charikot is located at a distance of approximately 139 kilometer (km) from the capital of Nepal, Kathmandu. The municipality is in a hilly region with altitudes ranging between 950 meter (m) to 2560 above mean sea level (msl) with average altitude of 1554 meters. The municipality has subtropical to temperate climate and is heavily influenced by the monsoon (June-September) with an average annual rainfall of about 1710 millimeter (mm).
- 9. The service area comprises wards 1-10, 12 and 13 of Bhimeshwar municipality. The core bazaar area is located in ward no. 1 and 10 where density of population is high.

<sup>7</sup> The TDF is a government-owned entity established under the Town Development Fund Act, 1997. Loans from the government to WUAs or municipalities are generally on-lent by TDF under a subproject financing agreement.

<sup>8</sup> WUAs contribute 30% of project costs for water supply subprojects (25% from TDF loan and 5% from users' upfront cash contribution) and 15% for sanitation subprojects (subsidy from municipalities).

- 10. **Demography**. There are 3842 households (permanent residents) in Charikot with 21,909 population. Men and women comprise 51% and 49% respectively of the resident population in the service area (Table 1).
- 11. As the area of the present day municipality is the complete ward area of three former village development committees (VDCs), the total population of historic time has been estimated by summing up population of these three VDC. The ward-wise population of the project municipalities according to census 2001 and 2011 is presented in Table 2.
- 12. The total population of Bhimeshwar municipality as per census of 2011 is 22,537. The population of this municipality during 2001 was 21,916. The analysis of census population shows that the overall annual growth rate of the municipality is only 0.28%. Many wards have declining population growth in the last decade.
- 13. The average household size of the area has declined from 4.46 in 2001 to 3.71 in 2011. Ward 1 of the municipality, old Charikot Bazaar area, is the only comparatively densely populated ward. The overall population density of the project area increased from 3.77 persons per hectare in 2001 Anno Domini (A.D.) to 3.87 persons per hectare in 2011 A.D.
- 14. **Occupation**. During household surveys in the project area, detailed information has been collected on the major occupations and economic activities of all household heads. The survey, as illustrated in Table 3, shows that the majority of population (about 36%) is engaged in agriculture, whereas 26.68% are service holders, about 24% depend on business, about 7% are employed abroad, 3% are wage labourers and 0.10% are not employed.

Table 1: Distribution of Permanent and Rental Households and Population

Ward	Households	Male	%	Female	%	Total Permanent Pop	%	Rented house	Rental Pop	Total including Rental	HHS Size
1	937	2214	24.42	2409	26.16	4623	25.30	233	1591	6214	4.93
2	211	461	5.09	474	5.15	935	5.12	2	3	938	4.43
3	72	150	1.65	153	1.66	303	1.66	0	0	303	4.21
4	68	196	2.16	197	2.14	393	2.15	0	0	393	5.78
5	220	517	5.70	539	5.85	1056	5.78	0	0	1056	4.80
6	344	792	8.74	778	8.45	1570	8.59	0	0	1570	4.56
7	305	673	7.42	733	7.96	1406	7.69	1	2	1408	4.61
8	241	558	6.16	485	5.27	1043	5.71	0	0	1043	4.33
9	32	65	0.72	71	0.77	136	0.74	0	0	136	4.25
10	843	1999	22.05	1945	21.13	3944	21.58	219	2040	5984	4.68
12	287	802	8.85	804	8.73	1606	8.79	1	1	1607	5.60
13	282	638	7.04	619	6.72	1257	6.88	0	0	1257	4.46
Total	3842	9065	100.00	9207	100.00	18272	100.00	456	3637	21909	4.76

Source: Socioeconomic Survey 2015.

**Table 2: Population of Charikot** 

			Census 2001			Census 2011		
Ward	W. Area	Households	Population	P. Densities	Households	Population	P. Densities	Growth
	(ha)		-	(PPHA)		-	(PPHA)	Rate
1	395.12	662	3,036	7.68	1134	4,330	10.96	3.61
2	263.23	501	2,018	7.67	476	1,615	6.14	(2.20)
3	474.22	238	947	2.00	242	978	2.06	0.32
4	494.10	384	1,707	3.45	266	978	1.98	(5.42)
5	461.23	250	1,190	2.58	371	1,437	3.12	1.90
6	658.00	471	2,011	3.06	510	1,866	2.84	(0.75)
7	132.00	147	671	5.08	273	1,011	7.66	4.18
8	592.00	140	721	1.22	355	1,276	2.16	5.87
9	197.00	314	1,484	7.53	275	1,056	5.36	(3.35)
10	527.00	854	3,559	6.75	1,312	4,626	8.78	2.66
11	500.00	382	1,927	3.85	338	1,212	2.42	(4.53)
12	204.00	259	1,209	5.93	256	1,043	5.11	(1.47)
13	921.00	307	1,436	1.56	268	1,109	1.20	(2.55)
Total	5,818.90	4909	21,916	3.77	6,076	22,537	3.87	0.28

Source: CBS 2001 and 2011.

## C. Proposed Components

- 15. The Charikot Water Supply Subproject has been conceptualized as a gravity system. The entire distribution network is to be supplied from multi-reservoir system. Eight new reservoir tanks (RVTs) are proposed as per design; and one is existing. The forecasted population of the town is 22,755 and 24,510 in 2018 and 2038 respectively with average weighted growth rate of 2.1% per annum. The amalgamation of various demands based on accepted design criteria of UWSSP has been assessed. While calculating the nodal demand domestic consumption has been considered at ultimate demand i.e. 100 liters per capita per day (lcpd). The total daily water demand has been estimated to be 2.88 megaliters per day (MLD) in the base year 2018 and this demand is projected to increase to 4.38 MLD by the end of design period in 2038. The entire service area has been divided into six district metered areas (DMAs).
- 16. The distribution system comprises of a pipe network, which are looped in certain cases and branched in others. The entire system has been designed using Polyethylene, ductile iron and galvanized iron pipes. The size of ductile iron pipes is 150 mm and 200 mm. The total pipe length of the proposed distribution system works out to 143.36 km. The system has been designed with private house connections (3,842 numbers) comprising about 12 m pipe PE-100, 20 mm outer diameter pipe of rating PN-16 and dry dial volumetric rotary piston type water revenue meter (15 mm Nominal Diameter).
- 17. The efforts are maximized to reduce the impact. The technical components are designed with close coordination with safeguard team and WUSC executive members to avoid involuntary resettlement impacts. For the construction of all RVT, water treatment plant (WTP) and other project components, the minimum land requirement is 12,225 m². The available land is vacant, barren, unused land owned by government.
- 18. A due diligence process was conducted for proposed project sites and alignments in line with the resettlement framework prepared for the UWSSP and ADB Safeguard Policy Statement (SPS) 2009. This report describes the findings and provides copies of relevant legal documents, resolutions, minutes of meetings and photographs. This DDR is prepared based on the draft detailed project report (DPR) and will be updated based on final DPR or detailed measurement survey (DMS) prior to implementation.
- 19. During project implementation, the Social Safeguards Officer at project management office (PMO) will be required to undertake a review of this due diligence, prepare a confirmation letter or report documenting any modifications for the subprojects in Charikot and submit to ADB; and receive a 'no objection' confirmation from ADB prior to start of construction.

**Table 3: Distribution of Household Heads by Occupation** 

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Occupation of Household Head		Service Area						<b>Grand Total</b>	Percentage					
_	1	2	3	4	5	6	7	8	9	10	12	13		(%)
Agriculture	301	40	11	13	126	113	166	94	12	158	179	167	1380	35.92
Business	329	54	26	17	15	26	23	27	1	241	82	80	921	23.97
Service	230	48	6	8	64	146	90	99	4	273	26	31	1025	26.68
Industry	25	0	0	0	2	1	5	0	2	18	0	4	57	1.48
Foreign Employment	32	64	27	30	7	23	12	14	2	57	0	0	268	6.98
Labor	10	5	2	0	4	32	5	6	11	35	0	0	110	2.86
Others	8	0	0	0	2	2	3	1		61	0	0	77	2.00
Dependent	2	0	0	0	0	1	1	0	0	0	0	0	4	0.10
Grand Total	937	211	72	68	220	344	305	241	32	843	287	282	3842	100.00

Source: Socio-economic Survey 2015.

**Table 4: Salient Features of Proposed Charikot Water Supply Components** 

SN.	Items	Description
1	Name of Project	Charikot Water Supply and Sanitation Project
2	Type	Gravity
3	Study Level	Detailed Engineering Design
4	Location Area	
	State No.	3
	District	Dolkha
	VDC/Municipality	Bhimeshwar Municipality
	Ward	Complete area of Ward No. 1 to 10 and partial area of ward No. 12 and
		13
5	Available Facilities	
	Road	On the Lamoshanghu- Jiri Highway
	Water Supply System	WUSCs
	Electricity	Available
	Communication	Available
	Health Services	Available
	Banking Facilities	Available
6	Social Status	
	Number of Households (2016)	3842
	Population (2016)	21,909
	Base Year Population (2018)	22,755
	Design Year Population (2038)	34,610
	Average Household size	5.7

SN.	Items	Description				
	Weighted Growth Rate (WGR)	2.1				
7	Source Characteristics					
	Source Name	Apart from existing small sources, Char	nawati River and its tributaries			
		are main sources				
	Source Type	Perennial River				
	Source Location	Within the Municipality				
8	Type of Structures					
	Proposed intakes	10 Nos with rehabilitation of 5 Nos intake	e			
	Water treatment plant	Total Capacity for 51.3 lps, in 5 locations	6			
		including one set with 6.6 lps capacity.				
	Ground Reservoir (No and Capacity in CUM)	2N-40 cum + 1E-250 cum + 3N-250 cum + 3N-150 cum				
	Valve Chamber (Bricks/RCC)	70/25				
	Office Cum GH(O1) /Guard House (G1) / Small Guard House	1-O1 / 3-G1/ 3-G2 / 9- DPH				
	(G2) /Dosing House (DS)					
	Household Connection	3,842				
	Fire Hydrant	14				
	Total Length of pipe in transmission and Bulk Distribution	44,674 m (with 1351 m of BDS)				
	Total Length of pipe in Distribution	143,321 m				
9	Social Safeguard					
	Involuntary Resettlement Category	C;	·			
	Indigenous Peoples Category	B, only beneficial impacts to indigenous				
		involuntary resettlement and Indigenous	Peoples DDR prepared.			

- 20. The major water supply subcomponents of the subproject with their characteristic features are described below.
- 21. **Intakes**. Altogether, there are ten intakes. The first sub-system, SS-1 or old system comprises six numbers of intakes and the other two sub-systems, SS-2 and SS-3, comprise two stream intakes each. Out of these six intakes in the old system, two are spring intakes and four are stream intakes. As water is being drawn from these sources with a cumulative safe yield of 11 lps, the safe yield for the transmission system of this sub-system has been adopted as 10.6 lps. Water from two streams will be collected at collection chamber. This area with a cluster of intakes are at elevations in the range of 2669 m to 2964 m.
- 22. Two stream intakes (TYP-4) have been proposed at Hattichhahara for sub-system 2 (SS-2). One intake is at the main Charnawati River and other one is from its tributary, which is about 300 m from the Charnawati off-take. Each branch of river has a safe yield of more than 20 lps. As the bed is of hard rock is as stilling basin in this water fall area, Bottom Rack intake have been proposed in both of these rivers. A gravel trap at the end the bottom rack has been provided to trap the heavy sediment which enters from the bottom rack and rolled gallery. The gravel trap shall be cleaned occasionally by manual means. A filter box (Intake) with perforated pipes covered by filter material is proposed after the gravel trap.
- 23. Collected water from two streams will be collected at collection chamber. In totality, cumulative discharge of about 31 lps have been proposed. Relative Level (RL) of these intakes is around 2,318 msl.
- 24. As the main course of Charnawati River flows at a very steep gradient at intake area of SS-3 sub-system, temporary type of weir by rip-rap has been recommended. A single orifice type intake with minimal sill height has been provided to divert river water to intake filter chamber in a main river. Such flexible structure is easy for operation and maintenance. A single orifice type of intake has been provided to capture the design flow even during the lean season. In order to make simple design and simple operation, no gates and scour sluice at intake are provided. In order to control heavy discharge in canal during flood time in river, a control orifice is provided immediately after the gravel trap.
- 25. Similarly, another simple stream intake (TYP 2) has been proposed at the tail water stream of the Ghatta in Sub-system (SS-3). This place is close to existing Ghatta and very close to Lamosangu Jiri Road. Both of these intakes are on the tributaries of Charnawati. This tributary has safe yield of 10 lps. Simple off-take type of intakes has been proposed. In totality, cumulative discharge of 11 lps have been proposed from these two branches. Relative level of these intakes is around 1910 msl.
- 26. **Transmission Main**. There are three different transmissions for different sub-systems. The total length of transmission main of old system (SS-1) is about 12.665 km. This transmission system transfers water to WTP-2 of SS-2 is at Tower area. As the pipe used in existing transmission line is substandard in terms of pressure rating, it is not recommended to incorporate it in the proposed transmission system.
- 27. The transmission length of the Hattichahara Transmission system (SS-2) is about 9.468 km. The valley crossing and pipeline along river gorge in steep terrain are the main reason to provide ductile iron pipe. In one stretch (about 1500 m wide) of transmission line at valley, the pressure on this transmission line exceeds 160 m and is below 250 m. Therefore, a higher PN rating fittings including flanged pipe has been recommended.

- 28. **Thrust Blocks, Saddle Blocks and Thrust Beam**. Thrust blocks have been proposed for ductile iron pipes (both transmission and distribution mains) from being moved by forces exerted within the pipe arising from the internal pressure of the pipeline or the flow of water hitting bends, tapers and closed or partially closed valves. Typical thrust blocks for horizontal bend, vertical bend, and tee has been design for pressure of 30 kg/cm² and 20 kg/cm² for transmission and distribution line, respectively.
- 29. Similarly, thrust beams and saddle blocks are proposed for ductile iron Pipes laid in sloping area and un-buried portion. All saddle blocks are proposed to be anchored with concrete at the centre of each pipe to prevent movement. This type of support is proposed in the initial stretches of Hattichahara Transmission system. Provision of RCC support for the stretches of buried and un-buried ductile iron pipe line which are laid in sloping area has been made to prevent pipe movement. A special thrust block and beams for 25 PN rating has been designed and recommended in 1500 m long stretches of the valley crossing in Hattichahara Transmission system (SS-2).
- 30. **River and Stream Crossing.** There are a number of river crossings in all three transmission systems. There are two major crossing, one is in SS-1 and another is in SS-2. MS truss Pipe Crossing for span of 25 m and span of 20 m have been proposed in Transmission line of SS-2 and SS-3, respectively. These truss crossings are triangular in shape comprising of tuber Mild Steel sections and braced by welded tubular sections in order to form composite light section which is economical than the traditional angle and channel sections. A simple crossing by providing SP-4 type concrete saddle blocks are recommended for small type of crossing for ductile iron pipes. This type of crossing is used only when span of crossing is less than 6 m. There are about five numbers of this type of crossing in the all three transmission systems. In case of crossing near existing bridge and culvert, provision has been made for pipe clamps.
- 31. **Water Treatment Plants.** The Charikot Water Supply System will have five water treatment plants (WTPs). As the DMA-1 (Deurali System) is drawing water from the existing sources, a small WTP-1 comprising of only slow sand filter (SSF) with filtration rate of 0.25 m/hour has been proposed. This service area is at higher elevation than the proposed big water treatment plant WTP-2 at Tower. This Deurali area was included during detail engineering design. It is presently served directly by the existing Charikot transmission system, thus a separate WTP has been proposed for this SS-1. The capacity of the SSF is 0.3 lps. Two circular RCC units of 1.8 m diameter and height of 3.4 m of SSF have been proposed in addition to the separate slow sand filter in WTP-1 for DMA-1.
- 32. Aside from WTP-1, the Charikot Water Supply System will have four other major water treatment plants. One of these four water treatment plants is existing and is referred to as WTP-E. It will be rehabilitated to improve its performance. The design capacity of WTP-E is 6.6 lps. The elevation of the area of about 2222 m allows for the discharge of 6.6 lps to the Hattichhahara Transmission System (SS-2). The elevation of this area is about 2222 m.
- 33. Another water treatment plant proposed to treat 10.3 lps water is referred to as WTP-2. It is for the old transmission system (SS-1) at elevated area. This location has been identified as a command location for reservoir to serve elevated settlement along old transmission line, which is presently getting water from the transmission mains. Elevation of this WTP area is at about 2325 m.
- 34. Similarly, the third water treatment plant (WTP-3) has been proposed for the partial treatment of (23.9 lps) discharge from Hattichhahara Transmission system (SS-2). It is situated

- at 2220 m and referred to as WTP-3. The fourth water treatment plant (WTP-4) has been proposed for Ghatta Transmission System to treat 10.2 lps water. The settling basin has been proposed near the intake. The Horizontal Roughing filters and slow sand filter are in different areas.
- 35. Slow Sand Filter as main filtration unit has been proposed in every major treatment plant. The filtration rate of  $0.2 \text{ cum/m}^2/\text{hr}$  has been adopted for design. All SSF will have a depth of 2.8 m including free board of 50 cm. Three chambers each 6 m x 12 m has been proposed to filter design discharge of 10.2 to 11 lps capacity as a unit. Similarly, same size of two units has been proposed to filter design discharge of 23.9 lps.
- 36. **Service Reservoir**. The cumulative capacity of nine service reservoirs proposed in the Charikot water supply subproject is about 1,530. The reservoir sizing for all sub-components has been carried out. A minimum of 40 cum capacity has been provided for all reservoirs. An existing tank of 250 cum capacity has been incorporated from the existing system.
- 37. **Bulk Distribution Mains**. As the service area is very scattered and stretched in 15 to 20 km with high elevation difference within the service area (in the range of 1000 m), the proposed concept of Bulk Distribution has been proposed. This has been done in order to reduce inequality of pressure in HHs connection within the service area so that the household at high elevation and at tail end of the service area will get equal service level. All of the storage reservoirs of the subsystem will get required water from corresponding water treatment plants. The total cumulative length of BDS is about 8.382 km. The details of pipe used in BDS of different Sub-system have been presented below.
- 38. **Distribution Main**. Three types of pipes have been used in the distribution network; Ductile Iron, Galvanized Iron Pipe and Polyethylene pipes. However, uses of galvanized iron pipes have been limited. The total pipe length of various diameters is given in table above. The total pipe length of the proposed distribution system works out to 143.36 km.
- 39. **House Connection**. Three types of house connections are envisaged under the project. There are about 192 number of house connection from ductile iron pipes, about 2882 number of house connection from Polyethylene pipes and about 768 number of house connection from galvanized iron pipes. This will make total household connection of 3,842 in the project area. The house connections shall comprise about 12 m pipe Polyethylene or galvanized iron Pipe (as per requirement) and water meter. The house connection pipe shall be PE-80 or 100, 20 mm outer diameter pipe of rating PN-16 for tapping from ductile iron or Polyethylene pipes. In case of tapping from galvanized iron pipes, the house connection pipe shall be medium class galvanized iron of 15 ND. Tapping of household connection in Polyethylene pipe has been proposed from Polyethylene saddle with ferrule and in case of ductile iron pipe; ductile iron saddle shall be used with ferrule without touching ductile iron pipe by ferrule. Tapping from galvanized iron pipes has been proposed from Polyethylene saddle with ferrule
- 40. Dry dial volumetric rotary piston type water revenue meter for all house connections are proposed. These household water meters have 15 mm Nominal Diameter and have been recommended.
- 41. Office, Guard Quarter, Guard Room, Dosing House and Boundary Wall. In order to safeguard storage tanks and RVT from vandalism as well as contamination, chain-link boundary (CLBW) wall and barbed wire fencing (BWF) has been proposed. A galvanized chain link fencing over 450 mm high parapet wall has been proposed from aesthetic and economic consideration

for boundary wall. Barbed wire with concrete post has been proposed for fencing in fringe area of town and rural area of the municipality. A two bay two storey building for office (OFF-1) is proposed at Charighyang Area. The building comprises of big meeting hall, water quality laboratory, administrative rooms, store for household meter and other small gadgets in addition to guard room, kitchen and bathroom for guard room.

42. Three numbers of single storeyed Guard House (GH-1) are proposed at three WTP locations (WTP-2, WTP-3 and WTP-4). The Guard House building comprises of residence facilities for guard in addition to room for tools for repair and maintenance. Similarly, four numbers of small Guard House (GH-3) are proposed at three reservoir locations. The Guard House comprises of two rooms. As the location is very nearby village only guard room is proposed. Another room has been proposed as a tool room.

Figure 1: Google Earth Map of Sub-project Sites

Shimeshwor Municipality

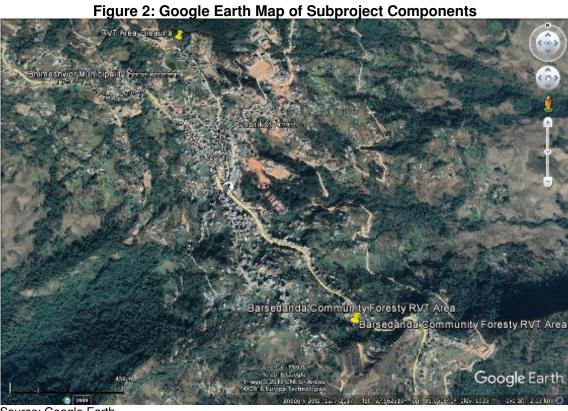
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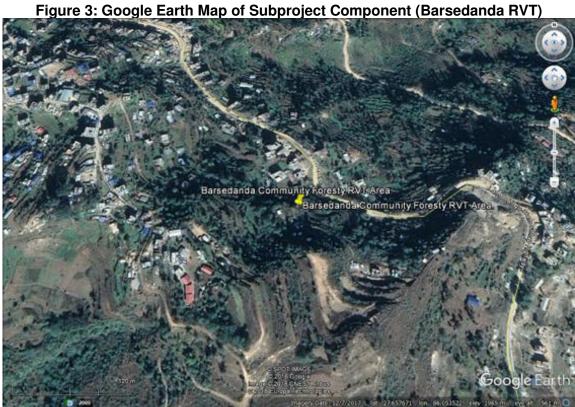
Collaborate

Google Earth

Source: Google Earth.



Source: Google Earth.



Source: Google Earth.



Figure 4: Google Earth Map of Subproject Component (Jilu RVT)

Source: Google Earth.



Source: Google Earth.



Figure 6: Google Earth Map of Subproject Components (Water Treatment Plant Area)

Source: Google Earth.

#### III. FIELD WORK AND PUBLIC CONSULTATION

#### A. **Outline of Field Work**

- 43. Desk review was the first step adopted for the study. Relevant reports and documents available at PMO/Department of Water Supply and Sewerage (DWSS), RPMO, WUSC office and reports prepare by RDSMC were reviewed in order to assess the land acquisition requirement and level of likely impact. The followings are the main reports and documents reviewed for the DDR: (i) Detailed Engineering Design Report, (ii) socio-economic profile prepared by RPMO, and (iii) WUSC minutes and documents. A desk study of the final design of subproject components and drawings was undertaken before field visit and consultations.
- Field visit to the project sites and major settlements/ clusters in the service area was 44. another step for the study. Various field visits were made from June 2017 to all proposed sites -RVT sites, WTP locations, transmission main alignments, distribution pipeline alignment. Consultations with stakeholders were conducted to confirm land ownership and use, the need for surveys and further consultations. No objection letter from Municipality and documents for identified components were obtained for the land use of different structures and pipeline required for the project during field work.
- Direct observation and interaction with local people who are beneficiaries of the project 45. near the proposed project construction sites was carried out during field visit. The details of field visit and interaction are presented below in Table 5.

## B. Public Consultation

- 46. Consultations were undertaken with key stakeholders in line with ADB's requirements pertaining to environment and social considerations. Tools used for consultation were stakeholder meetings and focus group discussions (FGD). Key concerns of the people related to the project, implementation of the safeguard policy framework in field level, sharing the safeguard knowledge at local level, inclusion of poor in the drinking water supply scheme, willingness to pay, upfront cash collection, people's participation in project implementation were discussed.
- 47. During field visits to all proposed sites and pipeline alignments, potential impacts and mitigation measures were assessed and discussed with stakeholders. The consultations helped in identifying the needs/concerns and priorities of the stakeholders. The field visits/reconnaissance surveys also helped ascertain that no further surveys and inventories are required.

**Table 5: Summary of Public Consultations** 

S.N.	Meeting	Facilitator	Venue and	Topic of Dissemination
	Date		Participation	/Discussion
1	21 June 2015	Environment expert/ Social Safeguard Specialist/Contract Management Expert and Social Mobilizer	WUSC office Charikot, WUSC executive body and advisor team	Information sharing about the Third Small Towns Project implementation, roles and responsibilities of various stakeholders, working modality, social & environment impacts, and safeguards
2	21 August 2015	Social Mobilizer	Municipality Office, Charikot - WUSC executive body and advisor team and Executive Chairman of Municipality	Dissemination of TSTWSSSP approach, modality, role and responsibilities of various stakeholders. Preparation of social and technical survey works
3	22 August 2015	Safeguard Specialist/ WSS Engineer/ Management Specialist and Social Mobilizer	WUSC Office, Charikot - WUSC executive body and advisor team, Local leader, beneficiaries, WUSC representative etc.	Dissemination of TSTWSSSP approach, modality, role & responsibility of various stakeholders, delineation of service area
4	30 November 2015	Social Safe Guard Specialist/ Social Mobilizer	Different Tole of Municipality and WUSC office - Local leader, beneficiaries, WUSC representative etc.	Information sharing and discussion of project/ roles & responsibilities of various stakeholders and collection of upfront 5% cash from Users
5	17 June 2016	Consultant Team, DWSSDO, WUSC members, Town Development Fund (TDF), Local people of service area	Community Hall, Simpani, Charikot	Presentation of Feasibility Report
6	23 September 2016	Design Engineers, Surveyors	Municipality Office, Charikot - WUSC executive body and advisor team and	Arrive at a consensus on the location of the Water Treatment Plant

S.N.	Meeting Date	Facilitator	Venue and Participation	Topic of Dissemination /Discussion
			Executive Chairman of Municipality	
7	24 January 2017	Design Engineers, Safeguard Specialists, GESI Specialist	Municipality Office, Charikot - WUSC executive body and advisor team, community people	Presented project design report and project approach
7	8 January 2018	Project Director, Design Engineer, Env. expert/ Social Safeguard Specialist	Dolakha Party Place - Open to the public	Final Design Report presentation and public hearing

- 48. A team led by water supply design engineer and social safeguard specialist, enumerators were engaged to identify the anticipated impacts resulting from the construction work. The technical design team guided the social assessment team to identify potential temporary impacts during the pipe line construction period. Transect walk was conducted for the proper assessment of impacts of pipelaying activity for the entire proposed pipe alignment. To avoid structure demolition and land acquisition appropriate modification in the design has been made maintaining required standard of the subproject.
- 49. A one-day public orientation program and presentation of project design report at field level was carried out on 24 January 2017. Public hearing cum detailed design report presentation was done at field level on 8 January 2018. During the presentation, all design aspects and cost estimates were shared. Information was also disseminated for better understanding of social and environmental safeguard mechanisms, formation of grievance redress committee (GRC), grievance redress mechanism (GRM) documentation process, project activities, overall approach as well as modality, role and responsibilities of all concerned stakeholders. The participants were familiarized, well informed and made aware on subject matters for achieving the positive responses from the local user.
- 50. During the construction period the DDR will be translated in Nepali language and will be made available in WUSC and project regional/district office.

## IV. LAND AVAILABILITY AND RESETTLEMENT IMPACTS

## A. Findings

- 51. Nearly 17,479.85 sqm of land will be required for construction of different project components, such as, intakes, RVTs, treatment unit, office building, guard house and public toilets are at 15 different locations. However, no private land needs to be acquired as available sites are either already owned by WUSC or are public/ Government land. The proposed sites are vacant and no temporary or permanent structures exist at the locations. No non-titled users are present at the sites. For the use of public land, WUSC has already obtained consent from the Municipality and concerned Community Forest Users Committees, which is attached in this report (Appendix 1).
- 52. All other water supply components, such as, transmission mains and distribution network are proposed on government land and within public road right-of-way. The public and government land located within Community Forest areas have some bushes on the land and some trees

around the site. A small part of identified size only<sup>9</sup> will be used for construction of structure in the community forest area. This is not anticipated to affect the remaining forest and use of forest produce to the communities. The proposed structures will not disturb the community forest users' mobility/access to forest produce as well as people's livelihood.

- 53. There is no settlement nor other structures on and around the sites; hence, there will be no need of physical displacement. No involuntary resettlement impacts are anticipated. No significant adverse impact of the project is expected and there will be no need of compensation.
- 54. Provision of 3842 house connections and laying of transmission and distribution network may cause temporary disruptions in access to residences. About 143.321 km long distribution network is proposed along public road within rights of way. The contractor will be required to provide signs at appropriate locations indicating available alternate access routes for movement. The contractor will have to ensure access to shops and residences using simple wooden walkways where required and limit the excavation to 500 m at a time to minimize disruption. No road closures are anticipated during construction; contractor to undertake construction on one side of the road first and on completion of the same start work on the other side to minimize impact on traffic. Provision of house connections may cause temporary disruptions in access to residences during construction. The contractor will be required to maintain access. Construction contracts will include the above provisions.
- 55. The table below summarizes the details of the land area and location for the corresponding proposed components (other than intakes) as well as information on land ownership/ possession and a summary of impacts. Of the proposed new intakes, (a) the Charnawati river intake does not have any anthropogenic activity around it; (b) the Ghattekhola intake area has an existing water mill which will not be affected by intake construction, which is proposed downstream of the water mill. The proposed extraction of water from the new intakes is not anticipated to cause impact to downstream users, as there will be adequate flow.

Details of land requirement are in Table 6. For Deurali WTP (WTP 1), a consent letter from Thangsa Deurali Community Forest Users Committee has been obtained by WUSC. For WTP-2, proposed water treatment plant near Tower for Old transmission system (SS-1), No objection letter is received from Khorthali Community Forest Users Committee. For WTP-E, the existing WTP for Hattichhahara transmission system and for new WTP 3 proposed at adjacent location to WTP-E, consent letter is obtained from BudhaBhimsen Community Forest. The fourth water treatment plant (WTP-4) has been proposed for Ghatta Transmission system, for which letter from Chandrawati Community Forest has been obtained

Table 6: Land Details of Subproject Components and Summary of Involuntary Resettlement and Indigenous Peoples Impacts

Lasation	Water Committee Constant	Impacts		Investment Desettlement and
Location	Water Supply System	Area Required (m²)	Ownership/ Possession of Land	Involuntary Resettlement and Indigenous Peoples Impacts Summary
Deurali	Deurauli System Proposed reservoir tank (RVT) 40 m³ and water treatment plant (WTP) 0.3lps, DPH	1528.160	Water Users and Sanitation Committee (WUSC) (No objection letter received)	The proposed site is under community forest. A small piece of land is proposed to be used for the construction of project structures, so it does not affect the community forest users mobility/access and livelihood. Community will continue to have access to remaining forest land. No objection letter provided by the community forest users committee.
Tower Area	Tower system WTP and Pro RVT 40 m <sup>3</sup>	1528.160	WUSC (No objection letter received)	The proposed site is under community forest. A small piece of land only be used for the construction of project structures, so it does not affect the community forest users mobility/access and livelihood. Community will continue to have access to remaining forest land. No objection letter provided by the community forest users committee.
Bishuna (Charikot)	Charikot System, Existing RVT250 Cum		Existing System, WUSC own land	This is the existing system site, owned by WUSC; so, no involuntary resettlement and Indigenous Peoples impacts assessed,
Simpani	Phaka System Proposed 250Cum	1528.160	WUSC (No objection to be received from Municipality)	The proposed site is vacant and barren and unused; no involuntary resettlement and Indigenous Peoples impacts assessed.

Location	Water Supply System	Area Required (m²)	Ownership/ Possession of Land	Involuntary Resettlement and Indigenous Peoples Impacts Summary
Bhutpokhari	Makaibari System +Bhutpokhari Proposed RVT 150 m <sup>3</sup> and WTP, DPH	1528.160	WUSC (No objection to be received from Municipality)	There is an existing WTP at the site, which will be integrated into the proposed system. The proposed WTP-3 and RVT site (within the same compound) is vacant and barren and free of non-titled users; no involuntary resettlement and Indigenous Peoples impacts are assessed
Tindhara	Tindhara System Proposed RVT 150 m <sup>3</sup>	1219.000	WUSC (No objection letter to be received from Municipality)	The proposed site is vacant and barren; no any involuntary resettlement and Indigenous Peoples impacts
Charighayang	Charighayang System Proposed RVT 250 m³ and one main office building	1830.000	WUSC existing RVT area	WUSC existing RVT area; so no nay involuntary resettlement and Indigenous Peoples impacts
Jilu (Dandagaun)	Zilu System Proposed RVT 150 m³ Guard house and DPH	1528.000	WUSC (No objection letter from Municipality received)	The proposed site is vacant and barren; no any involuntary resettlement and Indigenous Peoples impacts
Matti	Matti System WTP and Proposed RVT 250 m³, one guard house	1830.000	WUSC (No objection letter received)	The land is in community forest area; a small piece of land only be used for the construction of project structures, so it does not affect the community forest users mobility and livelihood. WUSC has obtained 'no objection letter' from Community forest user Committee; no involuntary resettlement and Indigenous Peoples impacts anticipated.
Barkhedanda	Barkhedanda System	2034.960	WUSC (No objection letter received)	The land is in community forest area; a strip of land is proposed be used, so it is not likely to affect the community forest

Location	Water Supply System	Area Required (m²)	Ownership/ Possession of Land	Involuntary Resettlement and Indigenous Peoples Impacts Summary
				users. WUSC has obtained 'no objection letter' from Community forest user Committee; no involuntary resettlement and Indigenous Peoples impacts anticipated.
Dharamghar	40 Cub Existing and 50 cub proposed	1017.480	Existing System, WUSC own land	Existing System, WUSC own land; no any involuntary resettlement and Indigenous Peoples impacts
Bhudabhimsen	Bhudabhimsen system		WUSC (No objection letter received from Bhudabhimsen Community forest user Committee)	The land is in community forest area; a small piece of land only be used for the construction of project structures, so it does not affect to the community forest users mobility and livelihood; WUSC has obtained 'no objection letter' from Community forest user Committee; no involuntary resettlement and Indigenous Peoples impacts anticipated.
Dandagaun	Dandagaun System Proposed RVT 150 m³ Guard house	1526.220	WUSC (No objection letter received from Municipality)	The proposed site is vacant and barren; no any involuntary resettlement and Indigenous Peoples impacts
Dhungesangu	Dhungesangu System Proposed RVT 150 m³ Guard house	254.370	received from Municipality)	The proposed site is vacant and barren; no involuntary resettlement and Indigenous Peoples impacts anticipated.
Kolechaur, Jilu	Koledanda System Proposed RVT 50 m <sup>3</sup> Guard house	127.185	WUSC own land	WUSC own land; no any involuntary resettlement and Indigenous Peoples impacts
All over the project area	Pipe alignments		Government Land within road width	Pipelines will be laid along the road alignments within roads width, no any permanent impact to the people

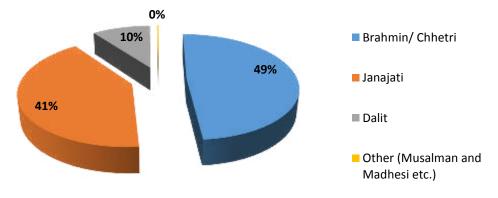
- 56. **Indigenous Peoples**. According to ADB SPS, the Indigenous Peoples safeguards are activated if a project directly or indirectly affects the dignity, human rights, livelihood systems, or culture of Indigenous Peoples or affects the territories or natural or cultural resources that Indigenous Peoples own, use, occupy, or claim as an ancestral domain or asset. The term Indigenous Peoples is used to refer to a distinct, vulnerable, social and cultural group possessing the characteristics such as self-identification as members of a distinct indigenous cultural group; geographically distinct habitats or ancestral territories; distinct customary cultural, economic, social, or political institutions; and a distinct language.
- 57. The Charikot town project service area is a mosaic of multi-caste/ ethnic groups. It is the district headquarters of Dolakha and was also a gateway to Mount Everest for many years when trekkers used to trek up the mountain before motorable roads were built up to Jiri via Charikot. It is also a main market center of the Dolakha and other adjoining villages. The availability of district level government offices, educational, financial and health institutions and other services as well as business opportunity are attracting the people of different caste and ethnicity in this area.
- 58. Each caste and ethnicity is characterized by its own customs, traditions, culture and nature of occupation with which they are associated. Brahmin and Chhettri, comprising about 49% (1867 households) of total families, are the most prevailing caste group in the service area. Janjati (indigenous people) are the next major group with 41% (1585 households) and Dalit and other caste groups (Muslims and Madhesis etc.) are about 10% (390 households) as shown in table below.

Table 7: Distribution of Households and Population by Caste/Ethnic Groups

Caste/Ethnic Group	Total Households	Percentage (%)
Brahmin/ Chhetri	1867	48.59
Janajati	1585	41.25
Dalit	382	9.94
Other (Musalman and Madhesi etc.)	8	0.21
Grand Total	3842	100.00

Source: Socioeconomic Survey, 2016.

Figure 7: Composition of Caste/ Ethnic Groups in Charikot



Source: Socioeconomic Survey, 2016.

59. The field observation reveals that the settlements/ clusters in the service area are mostly heterogeneous in terms of caste/ethnicity and no traditional territory of indigenous people has been observed. However, the janajati comprise a large proportion of population (41%) and are reported to live in clusters or neighbourhoods. In the context of the service area, belonging to the indigenous/janajati group does not necessarily mean that they are underprivileged. The WUSC policy and rules reflect that all are treated equally and there is no discrimination on receiving water supply service based on ethnicity and caste. The project's framework for inclusion of poor and vulnerable households in project benefits (refer to Appendix 6 of Project Administration Manual) will ensure that all indigenous peoples households are included in project benefits. The impacts on indigenous people will be positive, increasing the access to drinking water facilities rather than adverse impacts. No physical displacement and economic displacement (loss of land, assets, access to assets, income sources, or means of livelihoods) of indigenous peoples is anticipated as a result of the proposed water supply subproject in Charikot.

## V. CONCLUSIONS

## A. Summary and Conclusions

- 60. This due diligence report includes an assessment of Involuntary Resettlement and Indigenous Peoples impacts. This report is based on desk review of relevant documents as well as field assessment. The status of major resettlement due diligence activities and findings are summarized as follows.
- 61. The proposed Charikot subproject has been conceptualized as a piped water supply system using surface water as sources. Considering the topography, land use, settlement pattern and use of existing facilities, the project components are proposed to be built on both land owned by WUSC and public land. The intakes are proposed on river banks within the land owned by Government and the distribution network will be laid down existing right of way (ROW) of road network. No relocation impacts or impacts on structures are anticipated at any of the identified sites or alignments for water supply proposed. The impacts of project construction activities will be minimal and there will be no need of physical displacement (relocation, loss of residential land, or loss of shelter) nor economic displacement (loss of assets, access to assets, income sources, or means of livelihoods).
- 62. Temporary impacts of network laying and house connections are limited to potential access disruptions for shops and residences. However, no road closures will be required during construction; contractor will undertake construction on one side of the road first and upon completion of the same, start work on the other side to minimize impact on traffic. The contractor will be accountable to provide signage at appropriate locations indicating available alternate access routes to minimize traffic disruptions. The contractor will have to ensure access to shops and residences using simple wooden walkways where necessary and limit the excavation to a length of 500 m at a time to minimize disruption. Construction contracts will include the above provisions. No temporary income loss is assessed.
- 63. Though the service area is heterogeneous in terms of caste/ethnicity, no specific territory of indigenous people has been reported. All are treated equally by WUSC and there is no discrimination on receiving water supply service based on ethnicity and caste. Poor indigenous people will be benefitted from OBA service. Therefore, the impact on indigenous peoples will be positive, increasing the access to drinking water facilities rather than adverse impact.

## B. Next Steps

63. Records of land ownership by the Municipality and road ROW to be utilized for the project will be included in the updated DDR. Copy of agreement between Municipality (as system owner) and WUSC (as system operator) including no objection of Municipality for use of municipal sites will be included in the updated DDR. The updated DDR will include labelled photographs of each site and alignment. The DDR will be updated based on detailed measurement survey prior to implementation and ADB approval obtained. This DDR will be updated before contract award.

## NO OBJECTION LETTER FROM MUNICIPALITY AND COMMUNITY FOREST USER COMMITTEE

Shree BarsedandaPari Community Forest User Committee Bhimeshwor Municipality 4, Mati, Dolakha

Letter no.2074/75-10 Date: 2074/9/28

Subject: About the consent paper

Shree Charrikot Small Town Water Supply and Sanitation Users Committee Bhimeshwor 3, Charikot

In subject matter, The Former Third Small Town Water Supply and Sanitation Sector Project, now Urban Water Supply and Sanitation Sector Project. Under the leadership of WUSC, Charikot is going to implement a water supply project in Bhimeshwor Municipality through the financing by TSTWSSSP. The water supply source is Hattichahara Jhaprekhola and Dhungekhola. From this source, the transmission pipeline has to be passed through this community forest and construction of RVT and other necessary structures in the forest area. We are the Shree BarsedandaPari Community Forest User Committee, in the response to the land demand by WUSC. The community forest user committee declared that all necessary structure and pipeline construction work within the forest land all are acceptable for Community forest user committee. So we are ready to provide required land for water supply project. After the construction of the structure and other pipeline works the properties right goes to WUSC. The community forest User committee providing consensus letter to Charikot WUSC.

CC: M/s Urban Drinking Water and Sanitation Sector Project, Kathmandu

Shahadev Khadka Chairman Forest User Committee



पत्र संख्या - ०७४/०७४ चलानी न. - ११

वर्षेडांडा पारी सामुदारिक तन उपभोक्ता समूह वन उपनिति भीमेश्वर नगर उस्ति विकास

जनकपुर अञ्चल

MA - 20UXICELET

विषयः व्यहमति प्रवान गरिएकै। और । व्यक्तिक द्रातिकारी तथा द्रद्राक्षे अपकी का संस्था और तापा - 2, व्यक्तिका , दोलला ।

प्रस्तृत विजयमा त्यम् सेर्बाले यस वर्षेडाँडा पारि व्यामदाध्य वन उपनेत्ताव्यम्खा उपनेत्ता स्रोत लाई गुणस्तरीय स्वामेपानी आयति अमि उद्देश्यले स्मित्र तेयी साम शहरी द्वामेणारी तथा स्तर्पमाई आयोजना (हाल शहरी द्वार्तेपारी तथा स्रप्राई व्यंक्टर आयोजना। क्रीन्यह्येनमा हात्रीष्ट्राल्णायल महात मार यात रमायुवाचित्र सत क्षेत्र हैंद्रै र नार्तेपाती ल्याउनपर्ने देखिएकें लें, ठाउँ ठाउँमा ट्याँद्री लगाएता विभिन्न आव्यानिय वर्षस्वनाहरू निर्माण गर्नपर्ने देखिएँ। लें उक्त आत्रीज्या निर्माल जार्ने क्राम्य र स्थानमा याम साम्यामि वा क्षेत्रभाव रवक्षेता राज्यात्रीत ज्यके देखा निर्माण अनुपी अएमा ल्याच्य पाउँनेर उत्र सीर्वाहरूको रवामित्व -वरिकार रवानेपारी श्रीका मा में उसे गरी स्वामिस्न स्मेत प्वाम गर्न में सामवा पिंड वर उपक्रीना न्यूट मञ्जे न्यूरी जारडारी पुलि भी प्राहमती-पन उपलब्ध गएंड्रेफी व्यहेर् अपरीध

भी हाररी स्वामेशनी तना स्रिकार स्वेन्टर आमीला,

(अन्द्रम्म)

Bhimeshwor Municipality Municipal Executive Office Ward No. 4 Office.Jilu, Dolakha

> State no. 3 Date: 2074.9.30

Subject: About the consent paper

To:
Bhimeshwor Municipality
Executive Office
Charikot, Dolakha

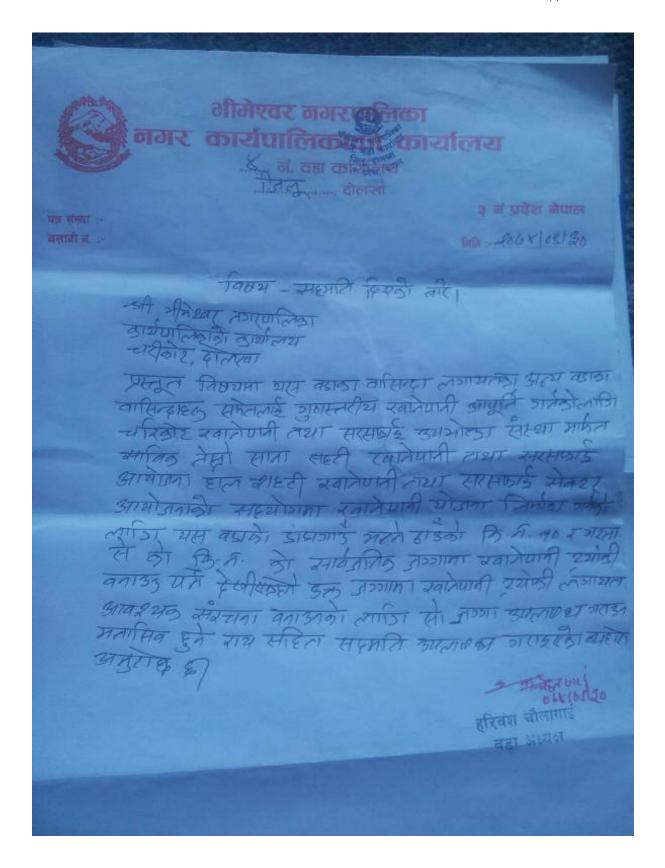
On the subject matter, a resident of ward number four and including other wards to serve potable drinking water the Charikot Water Supply and Sanitation User Committee have to construct water Reservoir Tank (RVT) and other associated structures in the Dandagun area. The suitable land is government own public land plot no 10 of the same ward. The said land construction of RVT and other necessary structures, the ward number four of Vimeshowar Municipality has provided a consensus letter to the water supply project by truly and honestly. Name of the project:

Third Small Town Water Supply and Sanitation project.

Now: Urban Drinking Water and Sanitation Sector Project.

CC: M/s Urban Drinking Water and Sanitation Sector Project, Kathmandu

Haribamsa Chaulagain Chairperson, Ward no. 4



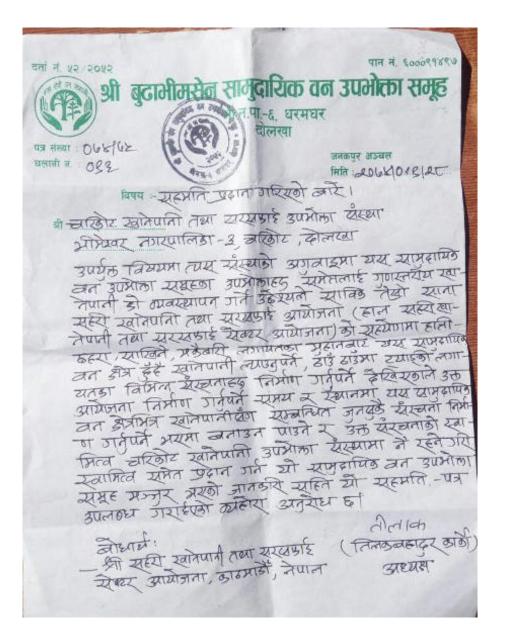
Shree BhudhaBhimsen Community Forest User Committee Bhimeshwor Municipality 6, Dharamghar, Dolakha Subject: About the consent paper

Shree Carikot Small Town water supply and Sanitation User Committee Bhimeshwor 3, Charikot

In subject matter, The Former Third Small Town Water Supply and Sanitation Sector Project. Now Urban Water Supply and Sanitation Sector Project. Under the leadership of WUSC Carikot going to implement a water supply project in Bhimeshwor Municipality through the financing by TSTWSSSP. The water supply source is Hattichahara and Makaibari. From this source, the transmission pipeline has to be passed through this community forest and construction of RVT and other necessary structures in the forest area. We are the Shree Bhudha Bhimsen community forest User Committee, in the response to the land demand by WUSC. The community forest user committee declared that all necessary structure and pipeline construction work within the forest land all are acceptable for Community forest user Committee, so we are ready to provide required land for water supply project. After the construction of the structure and other pipeline works the properties right goes to WUSC. The community forest User committee providing consensus letter to Charikot WUSC.

CC: M/s Urban Drinking Water and Sanitation Sector Project, Kathmandu

Tilak Bahadur Karki Chairman Forest User Committee



Shree Chandrabati Community Forest User Committee Bhimeshwor Municipality 3, Sahkhine, Dolakha Letter no.2074/4

Subject: About the consent paper Shree Carikot Small Town water supply and Sanitation User Committee Bhimeshwor 3, Charikot

In subject matter, The Former Third Small Town Water Supply and Sanitation Sector Project. Now Urban Water Supply and Sanitation Sector Project. Under the leadership of WUSC Carikot going to implement a water supply project in Bhimeshwor Municipality through ADB financing. The water supply source is Hattichahara Jhaprekola and Dhungekhola. From this source, the transmission pipeline has to be passed through this community forest and construction of RVT and other necessary structures in the forest area. We are the Shree Chandrabati Community Forest User Committee, in the response to the land demand by WUSC. The community forest user committee declared that all necessary structure and pipeline construction work within the forest land all are acceptable for Community forest user committee, so we are ready to provide required land for water supply project. After the construction of the structure and other pipeline works the properties right goes to WUSC. The community forest User committee providing consensus letter to Charikot WUSC.

Date: 2074/9/29

CC: M/s Urban Drinking Water and Sanitation Sector Project, Kathmandu

Arjun Basnet Chairman Forest User Committee

## Shree Thangse Deurali Community Forest User Committee

## Thangsa Deurali Community Forest User Committee Bhimeshwor Municipality, Makaibari, Dolakha

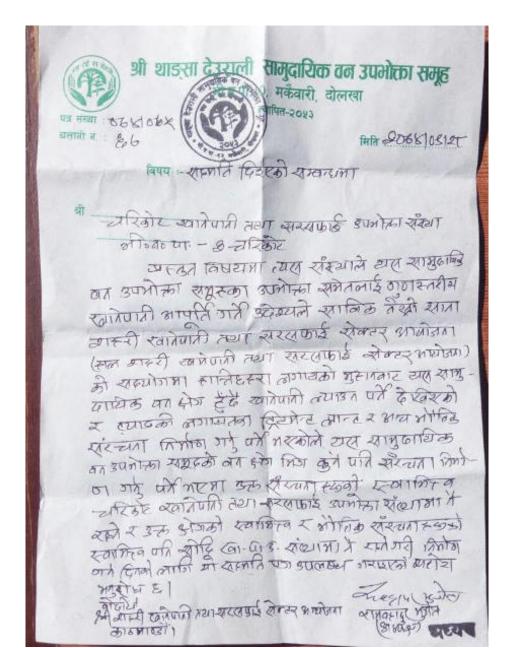
Date: 2074/9/28

Subject: About the consent paper Shree Charikot Small Town water supply and Sanitation User Committee Bhimeshwor 3, Charikot

In subject matter mentioned above, it is known that the Former Third Small Town Water Supply and Sanitation Sector Project, Now Urban Water Supply and Sanitation Sector Project is planning to execute an water supply project in Charikot and it needs to bring water from HattiChhahara and other springs through this community forest. This Community Forest Users Group hereby provide consent to make available the land required for pipe line and needed structures as tanks, treatment plants and other infrastructures of the project. It also agreed that the ownership of project structures and area covered by project structures will be to the WUSC, Charikot.

CC: M/s Urban Drinking Water and Sanitation Sector Project, Kathmandu

Raj Bahadur Bhujel Chairman



## Shrees Khorthali Community Forest User Committee

## Khorthali Community Forest User Committee Bhimeshwor Municipality, Charikot

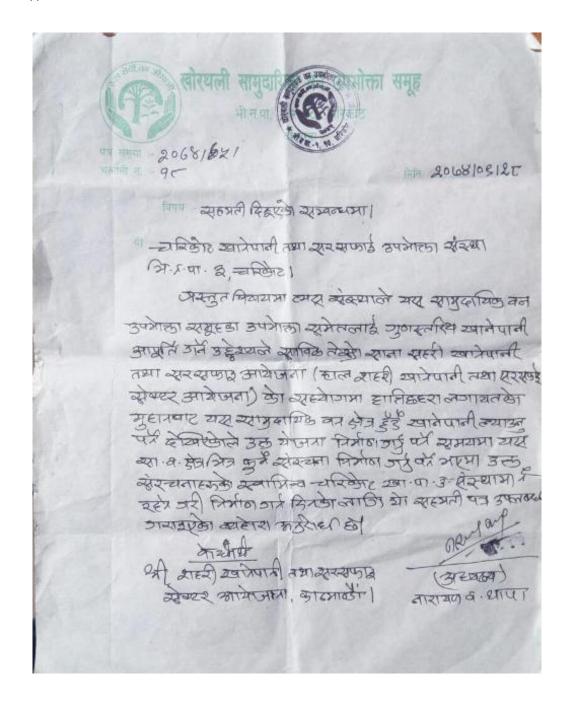
Date: 2074/9/28

Subject: About the consent paper Shree Charikot Small Town water supply and Sanitation User Committee Bhimeshwor 3, Charikot

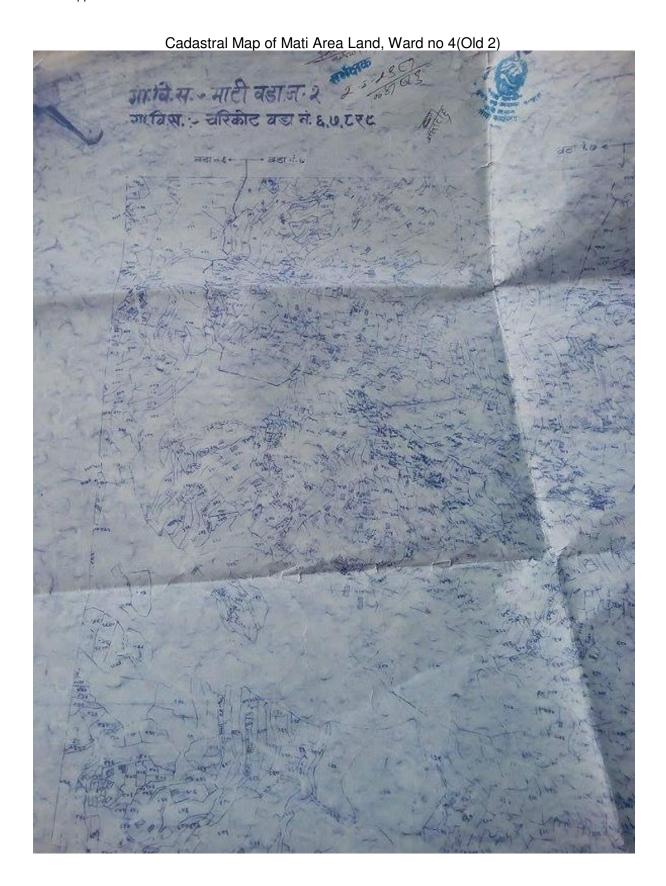
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CC: M/s Urban Drinking Water and Sanitation Sector Project, Kathmandu

Narayan B Thapa Chairman







Bhimeshwor Municipality Office Charikot, Dolakha

Date: 072-09-19

Letter no. 072/073, 1790

Subject: About a copy of the decision

Third Small Town Drinking Water and Sanitation Project Panipokhari, Kathmandu

Presented subject herewith, to implement a plan for the third small town drinking water and sanitation project to be operated in this municipal area by forming an integrated adherent committee for implementing the entire works of the projects by proceeding of the users gatherings copy of decision accompanied by this request letter has been made.

CC Regional Office, Ithaki Third Small Town and Sanitation Project

Chairman, Users committee Third Small Town and Sanitation Project

### MINUTES OF MEETINGS AND TRANSLATIONS

English Translation of Minute of Meeting

Charikot Small Town Water Supply, Sanitation and User's Committee has organized a public meeting and detail engineering design report presentation program dated 8 January 2018 in the premises of Dolakha party place Chairperson under the chairmanship of Mr. Ramkrishna K.C chairman of Charikot Small Town Water Supply and Sanitation User Committee. Participation was made from all concerned stakeholders, local user and political members from the national level political party in Dolakha.

Chief Guardian : Mr.Bishowaprakash Man Singh Lama

Chairman : Mr.RamkrishnaK.C
Vaice Chairman : Mr. Krishna BdrKhadka
Secretary: Mr.DhurbaBashnate
Treasurer : Ms. Anita Shrestha
Member : Mr. Krishna BdrKarki
Member : Mr. Ram Saran Thapa
Member : Mr.Moti Prasad Chaulagain

Member : Ms. Kamala

Mr.Badrikumar Shrestha Charikot Water Supply Committee Chairman
Mr Narayan Bdr Thapa Gaurishankar Water Supply Committee Chairman

Chief Guest: Mr.PasupatiChaulagain

Guest: BisalKhandka

Mr.Keshabraj Chaulagain Nepali Congress, Dolaka

Mr. Bharat K.C Mayor Bhimeshowar Municipality

Mr. Haribamsa Chaulagain Chairman Ward no.4
Mr. Jeevan Ghimire State Member Morang

Mr. Hariprasad Sharma DRTAC

Mr. Chandra Kumar DE, District Water Supply and Sanitation Office, Charikot

Mr.Rajendra Sapkota Deputy Project Director

Mr. Man Bdr Gurung Engineer TDF

Mr.Nawaraj Koirela Financial Analyst TDF
Mr Sirjan Aryal Design Engineer
Mr. Suwas Raj Panta TDF

Ms.Samjhana Bashnet Ms. Ram Dasi Shrestha

Mr. Yagya Prasad Sapkota

Mr Nil Bdr

Mr. Yadav PraDarlami

Mr Gopal Thapaliya

Ms Suvamaya Khatri

Mr.AmritBdr Shrestha

Mr.Bhim Khadka

Mr.Purna Bdr Khadka

Mr.Govinda Raj Sapkota

Mr. Ram K.C Mr.Madhu Nepali

Mr TilakBdr Bashnet

Mr.Chitra Bdr

Mr. Kamal BdrK.C

Ms.Lilamaya Bashnet

Mr.BhimRaut

Mr.ARjun Neupane

Mr. Krishna Bdr Shrestha

Mr Durga Bdr Basnet

Ms Tara Chaulagain

Ms Soniya Thapa

Mr.Sobik Nepali

Ms Kamala Nepali

Ms Laxmi Nepali

Mr Bishal B.K

Mr.Nawarai Danume

Mr. Deepak Khadka

Ms Devi Nepali

Ms. NiruKhadka

Mr.Bimal Kusule

Mr. Sugam Pokhrel

Mrs. Rita Khadka

Mr. Ram Prasad

Mr.Mahes Karki

Ms. Devaki Karki

Ms. Ishori Karki

Ms Padam Maya

Mr Shankar Karki

Mr Govinda Bdr Khadka

Mr.Rajan Khatri

Mr. Ram Kumar

Mr.SubaBdr Newar

Mr. Raj Kumar Khatri

Mr.Kedar Karki

Mr. Kumar Karki

Sanumaiya Karki

Mr.Dhurba Karki

Mr.Jagat Shrestha

Ms. Uma Bhujel

Ms. Sita Shrestha

Ms. Sarmila Shrestha

Ms. SumanKarki

Ms. Sosthani Bayalkoti

Mr. Shiva Khadka

Mr. Krishna Kumari Khadka

Ms. Dhana Maya Shrestha

Ms. Sita Nepali

Ms. HimKumari Karki

Ms. Kanchi Karki

Mr. Krishna Bdr Shrestha

Mr. Krishna Bdr Karki

Mr. Som Bdr Shrestha

Mr. Sanumaiya Karki

Mr. Charita Krishna Yogi

Mr. PurnaBdr Basnet

Mr. SajaTamang

Mr. Pasang Lama

Mr. RuwlaKhadka

Mr. NawarajSapkota

Mr. ShankarThapa

Mr. MotiPra Neupane

Mr. Krishna Bdr Khadka

Ms. Radha saru

Ms. Heman Kumar Shrestha

Mr. GanBdr Shrestha

Mr. Ram Bdr Kahatri

Mr. Bishnau Sapkota

Mr. JeetBdr Basnet

Mr. Abba Raj Karki

Mr. Bijaya Kumar Bashnet

Mr. NarayanPraCahulagain

Mr. PuskarBdr KC

Mr. ShyamPra KC

Mr. Bhawanath Chaulagain

Mr. Bhakta Bdr Bashnet

Mr. Som Pra Chaulagain

Mr. Saran Kumar Bashnet

Mr. Ram Kaji Khatri

Mr. Mira Thapa

Mr. BadriPra Sapkota

Mr. Krishna Om Thapa

Some decision has been made in the presentation programme:

#### Agenda:

About the engineering final design report presentation in field level

About the upfront cash collection from local user

About the availability of land for different structure construction like WTP, RVT and necessary other structure

About the some changes in structure which has been made in final design.

About the monthly water bill.

#### Decisions:

The discussion has been made over the agenda no. One, The final Design report including social, Environmental and engineering design report presentation was held in local level and face to face interaction also made in the presence of local user, WUSC Charikot, local level politician, elected municipality member including Mayor of Bhimeshwar municipality.

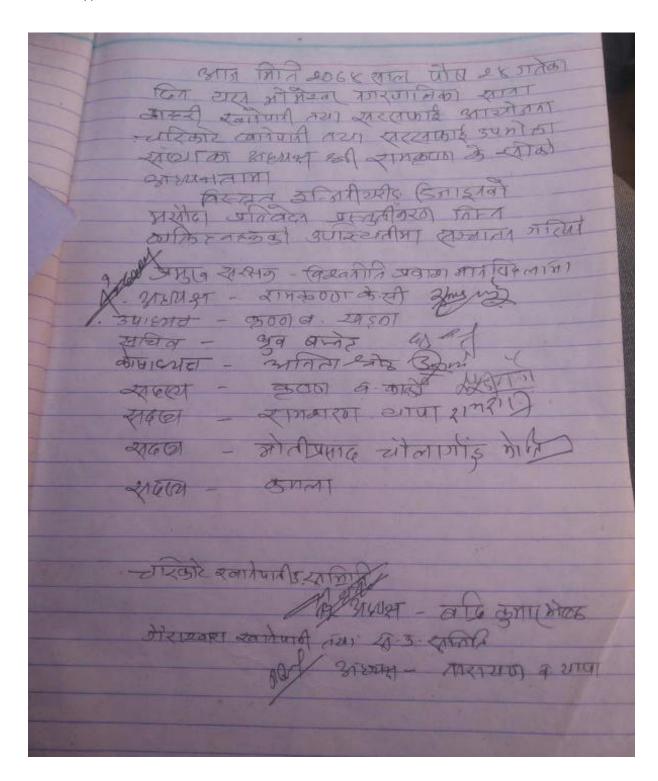
Discussion over the proposal no. 2, for the upfront cash contribution from the local community which is collected from local households, commitment has been made the collection will be finished within two months from the date of minute and voucher will be sent to project office.

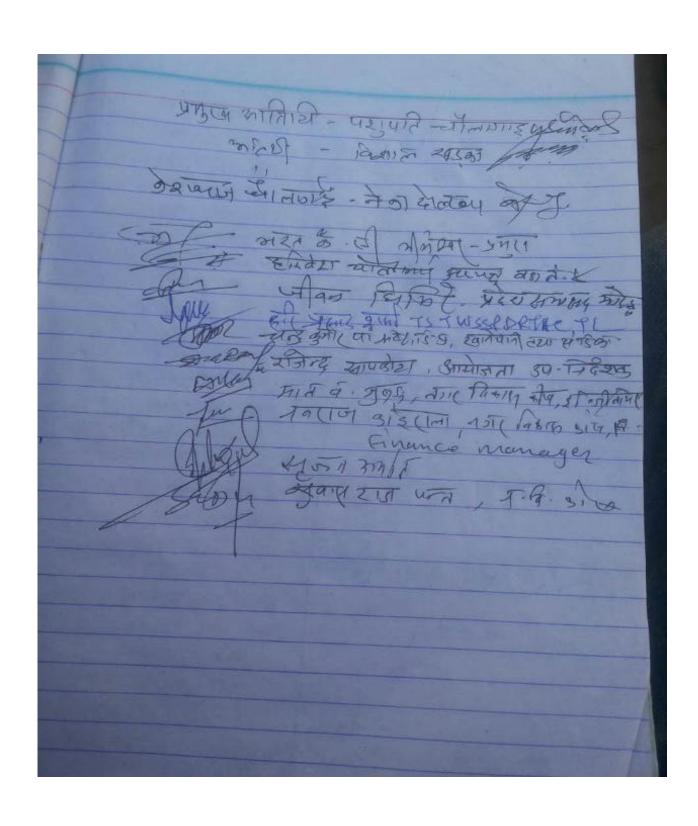
The discussion has been made over the agenda no.3, Required land for construction of various structures like WTP, RVT other structures will be made available including a necessary document of land and no objection letter, ownership right to WUSC from concern stakeholders and will be sent to a consultant within one month. The commitment has been made by WUSC all the necessary coordination and mediator role will be paly by Bhimeshwor municipality.

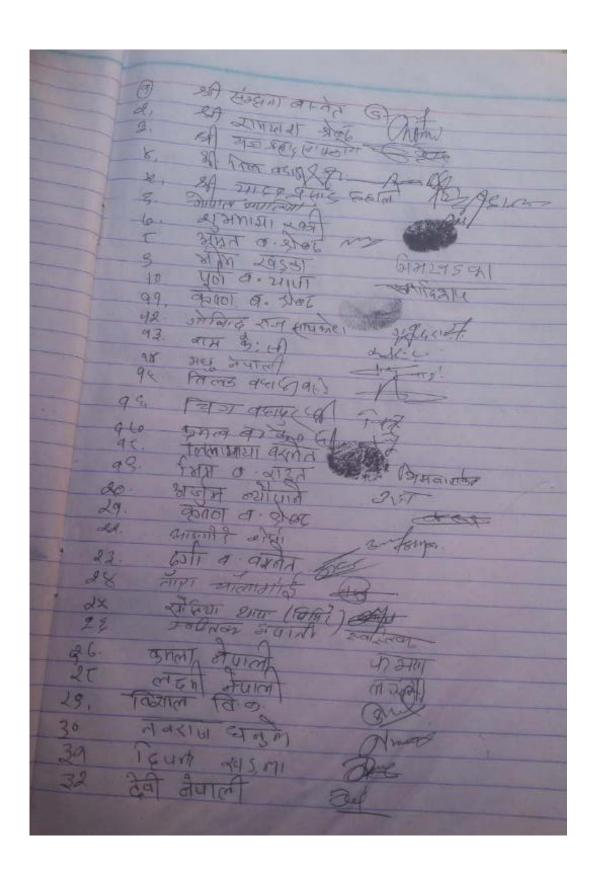
The discussion over the agenda no.4, Field visit, and observation by PMO, DRTAC, TDF and ERDSMC team some changes have been made, RVT will be constructed in the replacement of BPT. The necessary place for RVT has been proposing.

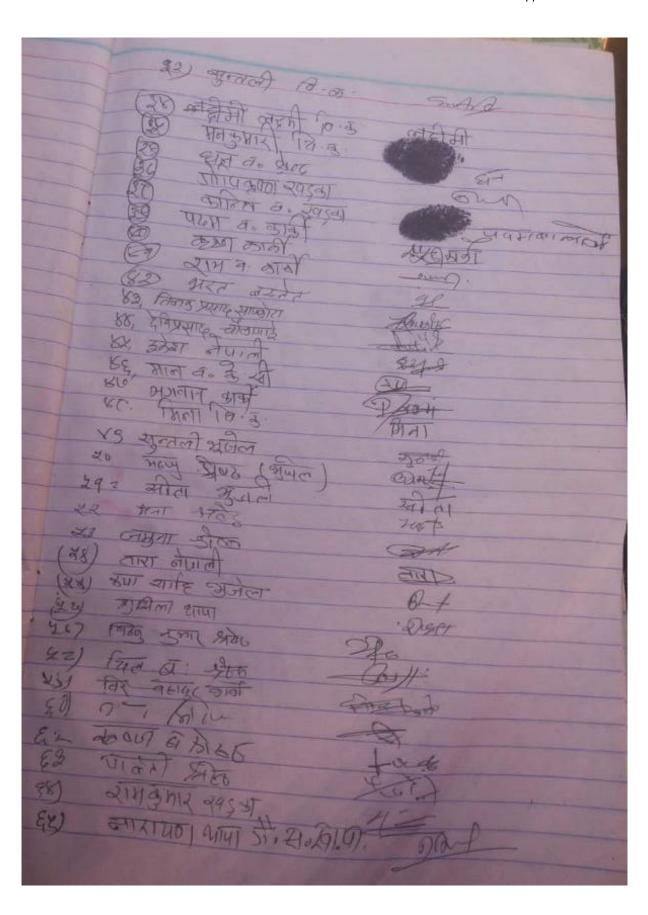
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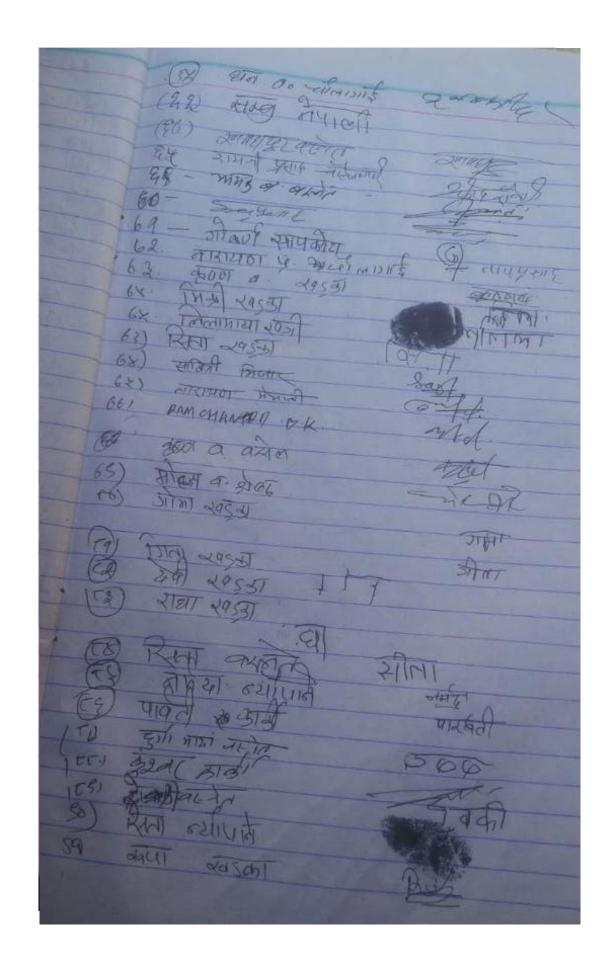
The discussion over the agenda no. 5, The monthly water tariff will be fixed in the recommendation by TDF, Financial analysis by the consultant and implement at field level.



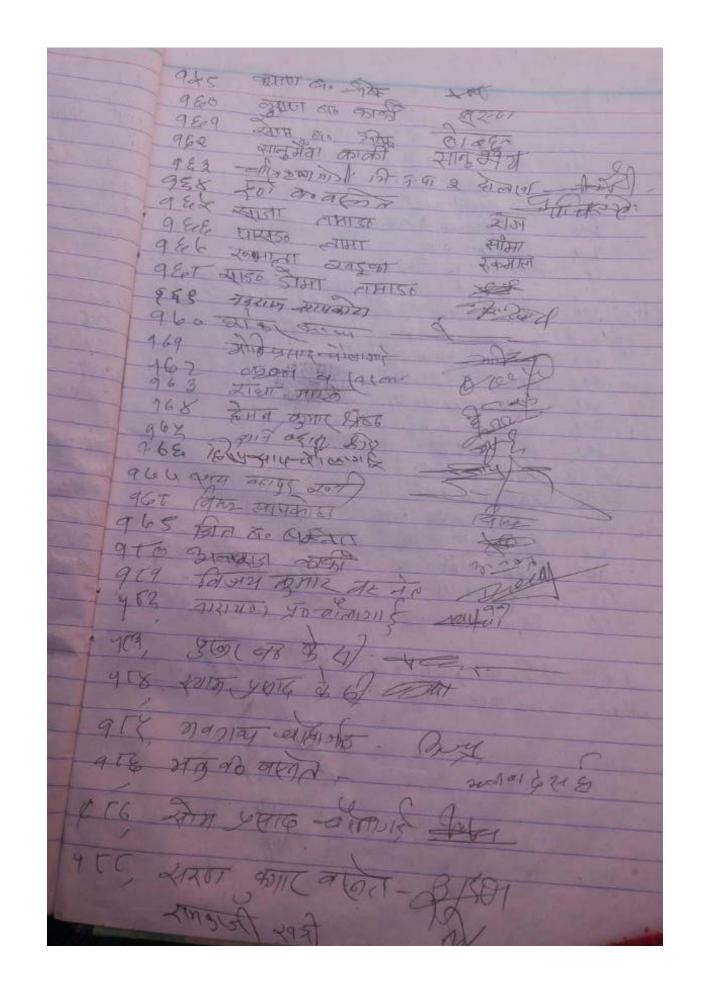


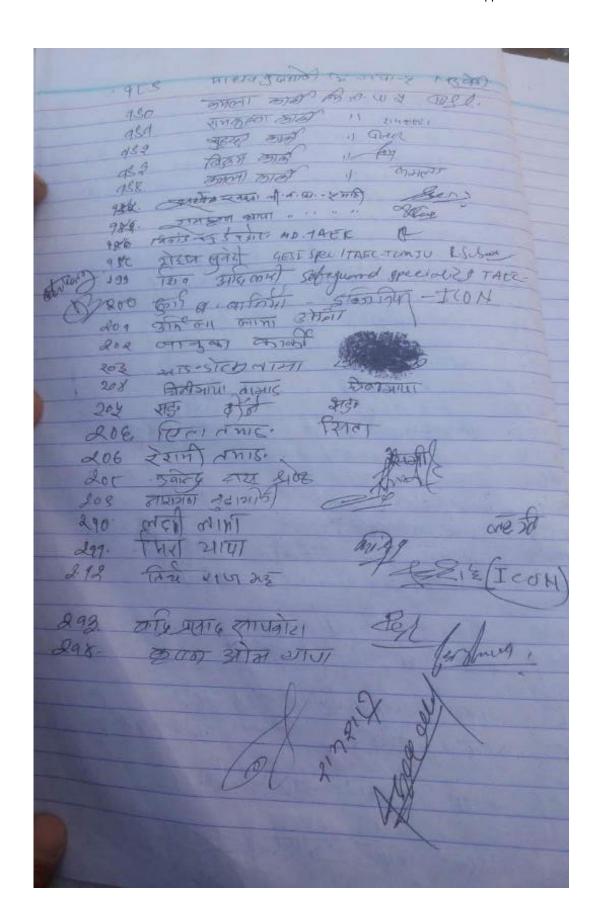




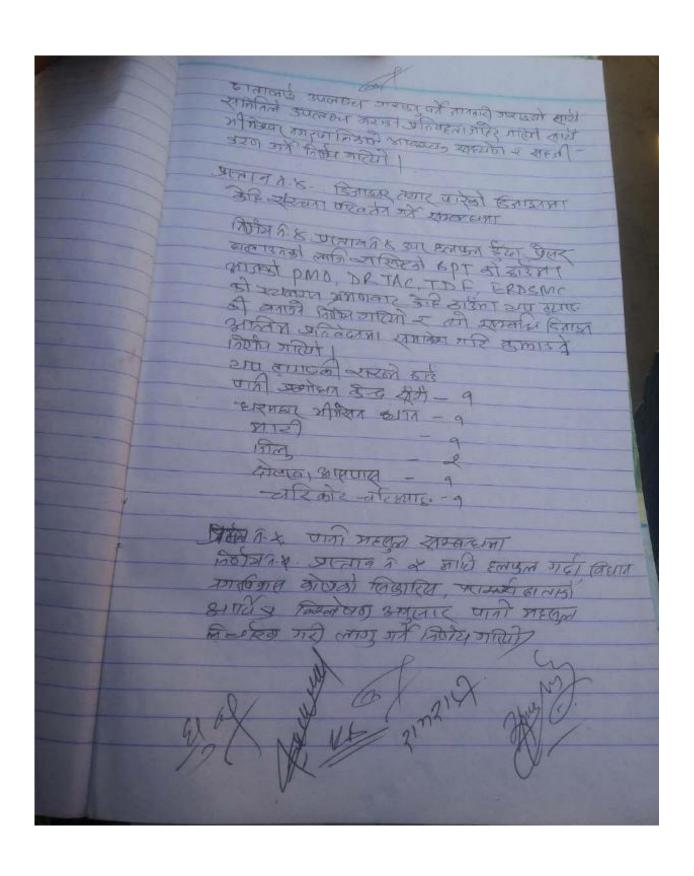


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MENTA MONT MONTE प्रदतात ते व. भीमेलबा लागर पारितना अप्तरात तीसी साता अवसी बनातेपाता तथा रारथपाई अध्योत्तमां अस्तित करित्रमा यरीक दिनावानी मरीवा अविनेदन राज्यकामा जिल्हा में व न प्रतान में व उपर कलपान ने में अस भोत्रेयवर नम्पणिकाको नेखी सामा अस्टी स्वामणाती तथा। वरलाय आयोगाडी विस्तृत इतिमाणिह दिनाइम्बी असीय अभिनेदाकी अस्तियक समानिक अमार्टिक तथा वातावरमीय पद्मती ,पतिका वजनेक समिति उनमीका करा मार्पालिका जातेमीतिक क्लका अतिविधिक द्वारेत का उपाद्यातीमा अस्तात गरी किरायत हलाउन तथा किश्न माराम कार्य हामार कारामाप को ल्याजी आवस्यक प्रवासार त्यार गार्रे राम्बरामा हलफल AND MODEL MINES अट्लान व 2. उपलोकाली उडाउन परे रका राज्य थ TOTAL DEMINE SUR & WINDE SERVED नगरणानिका द्वामा अवसी स्वामिती तथा सरलाकार्क अधोगानी लागि उपनीमाले लगारी गर्र स्था मार्गत र्वावमाकी यक्ता उपमोक्तान उपमोका समिति अवातामा अ (पुर्व) मिला मिला मामा गरी यो म र्वेड भी चर् कुणाउत पर निर्मा गारियों। प्रस्तान र ३ प्रमोधन केन्द्र ल्यादको र अस्टा स्वारकारका कार्जि आवाराक जारा आर JANEAR THE निर्वात है अन्तान त- ह उपा हलकल गढ़। यह प्राचीता राज्यालाकी त्याठी द्वान्वर्ध जे तारा ख्या केन्द्र, न्यादकी र श्रान्य संस्वामहत्को लाजिलान कार तर्मा कार्यात कार्यात कार्यात कार्य पाउने क्षाणकाट पत्र व महिता स्त्रामा पराम्या -



### **MINUTES OF MEETINGS**

## (Translation)

Charikot Small Town Water Supply, Sanitation and User's Committee has organized a public meeting dated 4 May 2016 in the premises of Bhimeshwor Municipality compound under Chairperson of municipality's executive officer Mr.SanjayaBahadurRajlawat. Participation was made from all concerned stakeholders. After discussion in the meeting, it was concluded that about program shall be launched in their town under the ADB assisted project.

#### **Participants**

Mr.Sanjaya Bahadur Rajlawat... Chairman

Ram Krishna KC...Charikot Drinking Water

Krishna Bahadur Karki...Hattichahara Drinking Water

Krishna Bahadur Khadka... Charikot Drinking Water

Kailash Shreshta... Hattichahara Drinking Water

Dhruba Basnet... Hattichahara Drinking Water

Anil Shrestha...Dolakha Drinking Water

Ram Prasad Sapkota...Jilu Drinking Water

Dawa Sherpa...Charikot Drinking Water

Roma Karki...S.T.

Krishna Kumari Thapa

Rupa Bhujel (Shahi)

Geeta KC...Bhimeshwor Municipality-10, Taganagi

Suku Shrestha... Treasurer , Drinking water committee

Ram Das Shrestha...Bhimeshwor Municipality

Lalbahadur Khadka... Chairman, Taganagi

Kabindra Das Shrestha... Bhimeshwor Municipality-07, Jilu

Jhamak Bahadur Basnet

Yadav Prasad Dahal... Bhimeshwor Municipality-10, Taganagi

Dhan Bahadur Chaulagai...

Shree Krishna Neupane...Ramkot Drinking Water

Gokul Prasad Neupane... Ramkot Drinking Water

Manbir Dhanuke... Bhimeshwor Municipality-01

Taranath Chaulagai... Bhimeshwor Municipality-01

Bal Bahadur Shrestha... Bhimeshwor Municipality-07, Jilu

Gyan Bahadur Shrestha... Bhimeshwor Municipality-07, Jilu

Upendra Bahadur Khadka... Bhimeshwor Municipality-07, Jilu

Kumar Chaulagai...

Ram Bahadur KC...

Ganesh Bahadur KC...

Birsha Bahadur Budhathoki...

Mandhwoj Lama...Chothang

Tej BahadurShrestha...

Badri Kumar Shrestha...

Rajan Karki... Bhimeshwor Municipality-06

Ram Bahadur Karki... Bhimeshwor Municipality-06

Kamal Bahadur Thawa

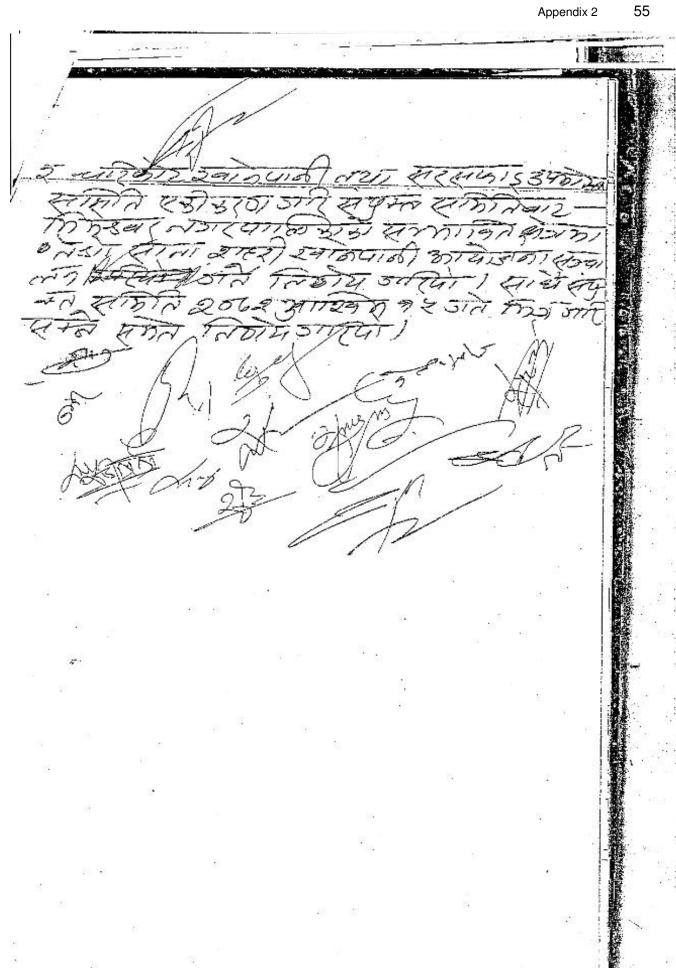
LalitBhujel... Bhimeshwor Municipality-07

Sangdhwoj Lama... Bhimeshwor Municipality-01

Harihar Prasad Neupane...Ramkot

Durga Prasad Kafle...Charikot Drinking Water Ranga Dhwoj Budhathoki... Bhimeshwor Municipality-06 Ganga Bahadur Budhathoki... Bhimeshwor Municipality-06 Ram Sharan Thapa...Charikot Drinking Water Badri Kumar Shrestha...Hattichahara

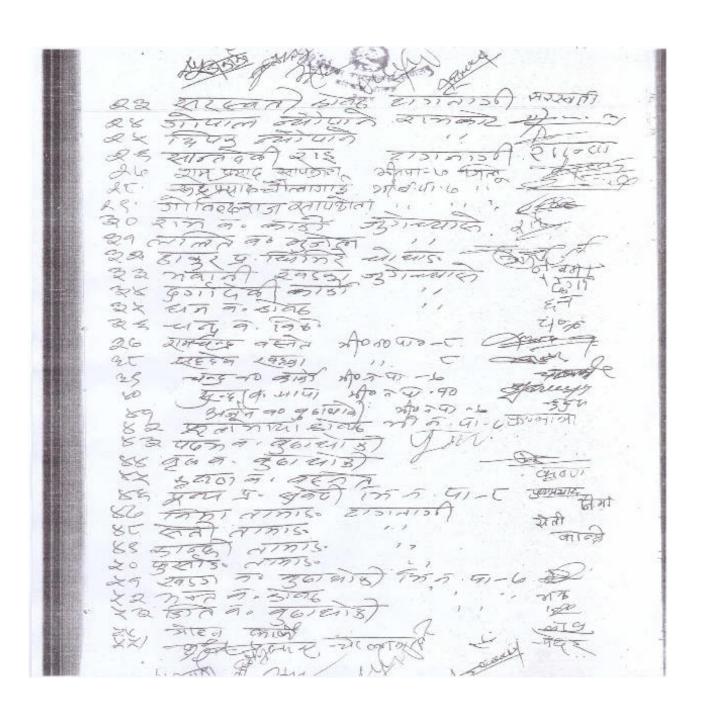
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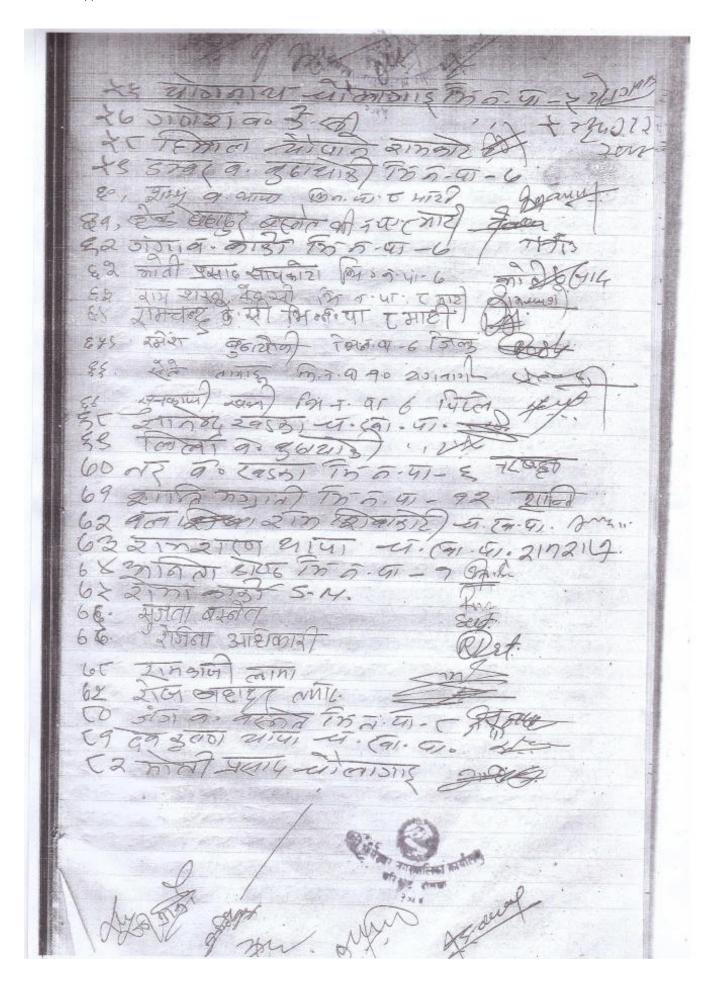


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अस्तान तथा निर्वायहरू अस्तान म-१. व्यक्तित तद्ये स्विति ज्ञाहन व्यक्तन्त्रमा

मिर्णास र्. १. अस्तान र. १ उपर हल्फल जदो यस अमिर्वर त्यार्पालिकाको रवामेपामी तथा व्यर्श फोर्कलाई व्यवस्थित र स्थार्की बताउत भी मेळवर तार्वालिका भित्र रहेका रवारेपारी डपश्रीन्डा श्रितिहरू हा निष्ठत्र चरिह्याड मामेडीडी इक्तिपामी तथा सारसामाई उपमीता यां जिति न्यरिकोट स्वामेपामी तथा स्वर्लकोई उपक्रीता शक्ति जोशास्त्री स्वामेपामी तथा स्रयणके उपलोक्ता स्किति उद्यो नर्भीरी प्रधर रवानेपानि तथा सरलापाई उपमोन्डायां ति जिल रवामेपामी तथा स्वरताष्ठाई उपमोप्डा यानित रामकोर स्वामेपामी तथा स्ररसामाई उपमाना स्कारि चीराड स्वामेणामी तथा अरलकां उपयोक्ता स्त्रीति लगायतका स्म भीमेख्नर निर्पालिका किया वरा प्र. व देखे 98 स्वाका अविभन्दा छोट स्वामेपामीको आभावा अयका य जामान्य छहेद गएडा क्षीयलाई यागेरेंगे गरी र उस क्षेत्र योग क्ष्में रहने गरी स्वातेपाती तथा न्यरसाफार्केका कार्यकार राज्याला गर्म स्वाधित स्विति निध्याममा उत्तलेश अस्का कारीक्र महत्तार अभावडारी छागाउँ स्थिकत साम विधातला उल्लेख गर्र गरे) यहिल र्मण्याला गर्न योगका तहरी

तदर् स्काम त्याक्रेस अनुवार जाडत गरे मिर्वाय जारियो । 9. BTEZIET: - ZINEOOI 3 201. 2. उपाध्यक्ष : - केव्यावराद् व्यक्ता a आखिन - दुरव बद्योग क्ष ८. कोपाध्यक्ष : - अमानगश्चिक × अपन्टा: - क्वा वराष्ट्रकाकी E. 216(613- 2172120 21141) 17K 6. सद्खा - भात्रिमाक चोलांडोंई लढ्री सामित डे सदस्वीय जडत जरित अएठोले र सामा साहरी खानेपानी तथा सा याणांक परियोजना याञ्चाला गर्म सीन जात जिहिला, यदाहा अमिवहों क्रायहा अस्डिली इंड (2) जना महिला माद्या नाकितिका या गर्न, गाडिल तद्दरी राशिनलाई याप पश्चिमेनमानी योवा श्रेणलाई रतमेरी गर भागामित गर्न के निम्मेवारी तीवन साम्प्रकी आहि-कार अल्याखोजन जाते निरीय मारियो। अल्लान म.2. अमुद्र रहेरहाकको व्यवस्था गर्भ 2000 WIT त्रिरोय ते. थ. प्रत्यान त. थ. उपर बलाउल गर्दा यात यक्रिक्त यात्रीतिको कान कार्या शिलाई क्यविद्या १ अशावकारी खगाडत रास र किल्ल कामितिका विधानमा में प्रमुख और-अडडो . ट्यायटा गर्भे क विधानमा में प्रमुख मांच्याक काम कर्तिया र शाहितार तपाछील अम्मार द्रो निर्णय गरिंही 9. यस व्यामेपमी तथा -स्रम्णाइको अभि-शावकत्व प्रशास्त्र मेंबद्दाकते गरे है। रे. यत स्टिक्त स्तितिको वेड व्याता स्मितिही प्रमुख संस्थित अल्यात र क्रेपाध्यक्षा रहेण्य करत्या रहामा गर्ति ए लोडि अठाम कावस्ता गर्म।

प्रकृश्यक की काम कत्वा ९ आधकार B. यास यहिकार सिकारित रक्याला अमे र ञाल स्त्रिकि धान्तराता परियोजना एकोता गर्वा अमुरव ट्राँरक्ष डेंड) बोरवर्मा गरि DIACEIT DI ड. राष्ट्र स्विमिमा अमुर्व संरक्ष्य अस्खा ट्यानिस्कला स्मिनिकी सामारी सद्या त्रदात जारिने ट्यावस्था जारी अ. यस एकिका समिति वा यस समिति अस्तरणत यह कारीकाल यत समित्रिमा आवर मण्डा आशिकार सम्पन्न कासिति वा मोनुदा यामितिया अध्यदाहर वा पदा विक रिक्क उपत्र के व्यक्ति यामित यो सामलाता हो। ज्यानि उत्तरीय हो। या दु याउने ट्यानिस्टाइक माठ गात यानिकार सामामिने अमुख संरक्षा यहा रास्ये गरी अमुख रत्नेनशकनो क्यनरहार गर्भ अस्तान १. छ. तदर्भ राक्षिति हो संबद्धा र JULI - 212819 (129/2-124) 507215.3. ACTION A. B 347 ENGW गर्वा याम यामका तदरी लामिकी अमुख संस्था कालिखसा न्यार क्याड. भागे डॉडी न्खामेपारी तथा सार्वाडी उपमे-न्छ। राक्षितिका अवयन्त की विश्वतीति अकाशामात सिंह पारिकालाई अवात भीट लाग्रस किम्मेकारी महाम भीती निर्णय गरियो। अस्माव 5.8. यांकळा सामितिको विद्यात वराउने व जिल्ला जलकात रतामित्रमा इती गरी कार्टीकृत यक्तामा गरे माम्बर्धा 1000 6. S. NOVIA S. 534 ENUM TIA

यस राक्षितिको विधान यस यकिका राक्षिता क्रावर हो मोजुदा यामितिके विधानमा उलारेन अएका कार्य क्रमार्ट्य हैं। है ज्यावकारी खताड़ी व्यवस्था साहत विशान तथाए पार्न द. जिल्ला/ जलाहोत रतकितमा कर्री अर्ट अहिल तद्र यानिताई जिस्तावारी दिने तिस DIROTI प्रत्याव म दे तिस्रो स्वाना कारसी स्वानेपानी तथा व्यवसार्वाह द्यारोजना राज्याला सेत सम्बन्धा 50 ps 5. 2 Senta A. 2 300 Benton 3167 राय भीभेष्य ताम्पानिका की वडा में १देशन 98 साम्मडी स्वानेपाती व सर्वार्डाईलाई व्यवन स्टिंग गर्न तेर्ह्नो सामा खाँखी द्वानेपाती तथा रतरलाका के आस्ताता राष्ट्रगालन गर्न रता गर वाहरी व्यामपाती तथा यसलाडाई द्वारोजना लाहि अगुद्धार हो गरी ई इन्हें परियोजनी. ZAMINORI DE GENTA NEIR DIX तेरही स्ताना माहरी रातेपानी तथा स्तरलाहुई कार्योजना श्रामा मर्न तकर्र सकितित्यार्ड जिस्केवरी किंते मिठीम मिली। अल्लाव १. ८. भेला सुभाषा सुव्यहरमा जिर्गात के अस्ता कि के उप हला का गर्द, सिक्त ल रतिकितिका सम्मर्ण पदाविष्ठारी र अग्रुख संस्थितका मिस्रो कामा काइटी रकामेपमी तथा र्मरलाई दिला रतकला र्वेड सामाना ने व भीतेका हारामालका किशका शास्त्रकाम हिमाई लेका अदान मेरे क्रामहाका। र्वाह तमेलाक अध्यदा ताल्या विक्रम मिल्रामावले भेता रामापा गर्ने तिर्हेय मार्थि

अगात किनि २०६२ न्याल पीछ वर गतेका दिन याला भी में कर हा अपालिक। भित्र न्याना खास्टी स्वानेपानी तथा स्रस्तापादि परिभीताना स्वानेपानी तथा स्रस्तापादि परिभीताना स्वानेपानी तथा व्यारेपालिकाको स्वानेपानी तथा व्यारेपाणके कर वर्खाणत गर्न गहत अस्में स्विकृत स्वानेपानी आक्षापानी के स्वानेपानी स

प्रमुख राष्ट्रक: - विश्वमानि प्रकार्यामान किंट पारिवा क्रिकारिका अध्यक्ष: - रामकाणां के रीत क्राक्ष उपाक्षक: - क्रवणक्राक्य रवनका प्रमुख काणाव्यक: - क्रवणक्राक्य रवनका प्रमुख काणाव्यक: - क्रवण क्राक्ष क्राक्ष स्वद्रका: - क्रवण क्राक्ष क्राक्ष स्वद्रका: - राममार्ग भागा मार्गि स्वद्रका: - राममार्गि स्वाक्ष्य क्राक्षिका स्वद्रका: - राममार्गि स्वाक्ष्य क्राक्षिका स्वद्रका: - राममार्गि स्वाक्ष्य क्राक्षिका स्वद्रका: - राममार्गि स्वाक्षिका

अस्तान तथा निर्धालक किये सम्बर्धना अस्तान मे. १. १. हारस्वाद किये सम्बर्धना निर्धि में १. १. अस्तान में १ १ उपर हैलाएक मदी स्वस्त्र भी मेस्य निर्धालका भिन्न स्वामा स्वस्त्र स्थामें -पामी तथा स्रस्ति के परिशोजना सम्बन्न मने

प्रत्मान १. थ. पराष्ट्राधाता तथा सामा सामरी रवाते -पानी तथा स्मर्यण्डि आचीत्रमाळाई अमकारी अस्छित स समन्वस अर्मे सम्मर्थमा

तिण्य १.2. प्रत्मान १ 23पर हलाइल गर्हा राम भीमेखा त्राम्यालिहा भित्रा खातेवाती तथा न्यरमणीह लाई कालहियत ६ स्थानी तथा स्वरमणीह उप न्यानी तथा स्वरमणीह पायोजन स्वर्म स्वर्मित व्यापती तथा स्वरमणीह पायोजन हमेर में कार्यक्र स्वरमणीह स्वर्मित कर परामर्यद्वातालाई सामित करा अरही निर्माणीह सामित करा अरही निर्माणीह सामित करा स्वरम्भान अर्थ स्वरमानी कर्म स्वरमान अर्थ स्वरमानी कर्म स्वरमान अर्थ स्वरमान अर्थ स्वरमानी स्वर्म स्वरमान अर्थ स्वरमानी स्वर्म स्वरमान अर्थ स्वरमान अर्थ स्वरमान स्वर्म स्वरम स्वर्म स्

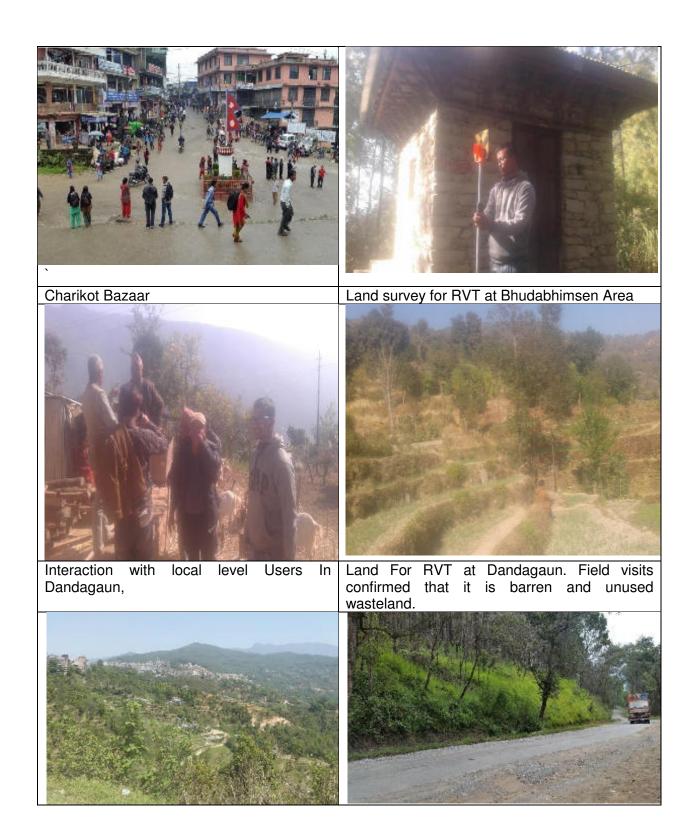
अस्ताव र २. इ. इ. जाजाभी कार्डकुत्व सम्बर्धामा • मिरोय ६ ३. अस्ताव २ - २ उप हलापुल गर्वा तपाद्योन्नमा उत्तरिष गरिस्का वर्धकुत्रमाई काव स्थित स्तपमा क्षाणाभी कार्यकुत्व सम्माला गर्म मिरोबा कारियो

NH.

१. विभिन्त स्विति, वडा र होना परियो -त्रता स्वाम्बाम्न कान्तर किंचा कार्यन्त्रत्रा स्वामाना जाते स्थान

2. सम्मर्ण उपलोक्ताको स्टित हुने गरी साता अवरी. रवानेपानी तथा न्यरराषार्थ उपन परिभोजना ल महात्म भाट रिक् अ स्तानानिक स्ते तथा भीतिक संरचनानी सार्थे क रिजाबत अप्तुत गर्त र अन्तर्किला गर्न स्वारक्त पर्जानमासी स्मन्वस्मि। ८. परिलोता सम्बाधित रीतगासूलक कार्यक्र Apaim oix X. विधम लेखे र कर्ता अभे &. अर्छोत्रता क्षेत्रभवा वास्टिका <u>इ</u>पभोन्ताकी स्राप्त ज्यासाम जर्म जिलाना ज्वामेपानी तथा स्र्रांपर्छ कार्यालय न्यरिकेट होंगे स्त्रागत्व गर्ते 6. पामीकी मुहान पश्चिम जरी स्रवा कोर निर्धारण 07/1 ए. यस सामित्रमा आवह अएका र हुन -वार्टने ही. म्यू है राक्षितिहै। यातिनिश्चित्व गर्न द्वाचामी खेंडड मा उपक्रियत उवाउरी र सामितिका क्षाध्यक्षाहरू लाई अम्मिनित स्वक्षाका रूपमा मिर्मिन व्याच्या वि

# **PHOTOGRAPHS**









Ghattekhola Source and Intake Area. The existing water mill will not be disturbed/affected. Intake will be constructed downstream of the water mill.



A Proposed Reservoir Construction Site on Public Land

# SOCIAL SAFEGUARDS SCREENING CHECKLISTS

Country	Nepal
Subproject Name	Charikot Water Supply
Date	May 2018

# **Involuntary Resettlement Impact Checklist**

Probable Resettlement Effects	Yes	No		Remarks
			Not Known	
Acquisition of Land				
Will there be land acquisition?		V		Only government land and road ROW will be utilized for the project
Is the site for land acquisition known?				NA
Is the ownership status and current usage of land to be acquired known?				NA
Will easement be utilized within an existing right-of-way (ROW)?	√ 			Transmission and Distribution pipes will be laid on road ROW
Will there be loss of shelter and residential land due to land acquisition?				NA
Will there be loss of agricultural and other productive assets due to land acquisition?				NA
Will there be losses of crops, trees, and fixed assets due to land acquisition?				NA
Will there be loss of businesses or enterprises due to land acquisition?				NA
Will there be loss of income sources and means of livelihoods due to land acquisition?				NA
Involuntary restrictions on land us protected areas	e or on a	ccess	to legally d	esignated parks and
Will people lose access to natural resources, communal facilities and services?				
If land use is changed, will it have an adverse impact on social and economic activities?				

Probable Resettlement Effects	Yes	No	Not Known		Remarks			
Will access to land and resources owned communally or by the state be restricted?		,	,	•				
Information on Displaced Persons: Any estimate of the likely number of persons that will be displaced by [√] No [] Yes the Subproject? If yes, approximately how many?N/A Are any of them poor, female-heads of households, or vulnerable to [√] No [] Yes poverty risks?								
Are any displaced persons from ir minority groups?	ıdigenou	s or eth	inic		[√] No [] Yes			

# **Indigenous Peoples Impact Screening Checklist**

Key Concerns (Please Provide Elaboration Son the Remarks Column)	Yes	No	Not Known	Remarks
Indigenous Peoples Identification Are there socio-cultural groups present in or use the subproject area who may be considered as "tribes" (hill tribes, schedules tribes, tribal peoples), z" minorities" (ethnic or national minorities), or" indigenous communities" in the subproject area?	√ ·			Janajati communities form a large proportion of town population. No traditional lands of indigenous people has been observed. No adverse impacts to janajati communities is anticipated. Such communities will be benefited under the project through its framework for inclusion of the poor and vulnerable.
Are there national or local laws or policies as well as anthropological researches/studies that consider these groups present in or using the subproject area as belonging to "ethnic minorities", scheduled tribes, tribal peoples, national minorities, or cultural communities?	V			
Do such groups self-identify as being part of a distinct social and cultural group?	V			
Do such groups maintain collective attachments to distinct habitats or ancestral territories and/or to the natural resources in these habitats and territories?		<b>V</b>		
Do such groups maintain cultural, economic, social, and political institutions distinct from the dominant society and culture?	√			

Do such groups speak a distinct language or dialect?	V		Some janajati communities like Newar, Sherpa and Gurung that are generally better off economically, are well integrated in mainstream society and continue to speak their own languages. Other janajati groups speak the mainstream language, Nepali.
Have such groups been historically, socially and economically marginalized, disempowered, excluded, and/or discriminated against?	V		
Are such groups represented as "Indigenous Peoples" or as "ethnic minorities" or "scheduled tribes" or "tribal populations" in any formal decision-making bodies at the national or local levels?	√		

B. Identification of Potential Impacts

KEY CONCERNS (Please provide elaborations on the Remarks column)	YES	NO	NOT KNOWN	Remarks
Will the subproject directly or indirectly benefit or target Indigenous Peoples?	V			The subproject directly benefits the indigenous peoples because all the beneficiaries will receive service irrespective of their ethnicity/caste and economic status. Therefore, the impact on janajatis will be positive. The project's policy for inclusion of poor and vulnerable will ensure that janajati households are included in project benefits
Will the subproject directly or indirectly affect Indigenous Peoples' traditional socio-cultural and belief practices? (e.g. childrearing, health, education, arts, and governance)		√		
Will the subproject affect the livelihood systems of Indigenous Peoples? (e.g., food production system, natural resource management, crafts and trade, employment status)		<b>V</b>		
Will the subproject be in an area (land or territory) occupied, owned, or used by Indigenous Peoples, and/or claimed as ancestral domain?		V		
C. Identification of Special Requirements Will the subproject activities include				

Commercial development of the cultural resources and knowledge	1	/	
of Indigenous Peoples?			
Physical displacement from traditional or customary lands?	١	/	
Commercial development of	1	1	
natural resources (such as			
minerals, hydrocarbons, forests,			
water, hunting or fishing grounds)			
within customary lands under use			
that would impact the livelihoods			
or the cultural, ceremonial,			
spiritual uses that define the			
identity and community of			
Indigenous Peoples?			
Establishing legal recognition of	١	1	
rights to lands and territories that			
are traditionally owned or			
customarily used, occupied or			
claimed by indigenous peoples?			
Acquisition of lands that are	١	1	
traditionally owned or customarily			
used occupied or claimed by			
indigenous peoples?			

Anticipated subproject impacts on Indigenous Peoples

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Subproject component/	Anticipated positive effect	Anticipated	negative
activity/ output		effect	
Water supply	Receive the same benefits as	None	
	the public in having storm		
	water being effectively drained		