# Due Diligence Report

Project number: 35173-013

January 2016

# NEP: Third Small Towns' Water Supply and Sanitation Sector Project – Surunga, Jhapa District

Prepared by the Third Small Town Water Supply and Sanitation Sector Project, Ministry of Urban Development, Government of Nepal for the Asian Development Bank.

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### **Government of Nepal Ministry of Urban Development**

## **Department of Water Supply and Sewerage**



Panipokhari, Maharajgunj, Kathmandu, Nepal

**Enhance Functionality in Small Towns Water Supply and Sanitation Sector Project** (STWSSSP)

### Resettlement Due Diligence Report

Surunga Small Towns Water Supply and Sanitation Sector Project **Jhapa District** 

Kathmandu, January 2016

### Submitted by:

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#### **CURRENCY EQUIVALENTS**

(As of 5 Nov 2014)

Currency Unit = NPR

NPR 1.00 = \$0.00996 \$1.00 = 97.95

#### **WEIGHTS AND MEASURES**

cum – cubic meter
Km – kilometer
m² – square meter
Mm – millimeter

m<sup>3</sup> – micrograms per cubic meter

#### **ABBREVIATIONS**

ADB - Asian Development Bank

AP – Affected persons BPL – Below poverty line

CBS - Central Bureau of Statistics

CDC - Compensation determination committee

CDO – Chief District Officer

DDC – District Development Committee
DSC – Design and supervision consultants

DWSS - Department of Water Supply and Sewerage

EA – Executing agency
GON – Government of Nepal

GRC – Grievance redress committee GRM – Grievance redress mechanism

IR – Involuntary resettlement

lps – Liters per second

MUD – Ministry of Urban DevelopmentNLSS – Nepal Living Standards Survey

PD - Project director

PMC – Project management consultant PMO – Project management office

PPTA - Project preparatory technical assistance

RF – Resettlement framework
RP – Resettlement plan
RS – Resettlement specialist

RS – Resettlement specialist
SSO – Social Safeguards Officer
SPS – Safeguard Policy Statement

STWSSSP - Small Towns Water Supply and Sanitation Sector

Project

TA – Technical assistance
TDF – Town development fund
TOR – Terms of reference

WSSDO - Water Supply and Sanitation Division Office

WTP – Water treatment plant

WUSC – Water users and sanitation committeeVDC – Village Development Committee

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#### I. INTRODUCTION

#### A. Introduction

- 1. The Small Towns Water Supply and Sanitation Sector Project (STWSSSP) is a key initiative of Government of Nepal aiming at improved water supply and sanitation services in small towns and emerging urban areas of Nepal. The Enhance Functionality in Small Towns Water Supply and Sanitation Sector Project (STWSSSP) is designed to improve the performance and efficiency of the projects constructed during the first phase STWSSSP projects. There are 29 small town subprojects constructed in this phase. The Enhance Functionality in Small Towns Water Supply and Sanitation Sector Project (STWSSSP) aims to strengthen the overall efficiency and effectiveness of service delivery with a particular focus on technical and financial aspects, at both national and local levels. Its envisaged outputs include: (i) improved water supply and sanitation infrastructure; (ii) strengthened sector policy, regulatory and institutional capacity and service delivery; and (iii) improved project implementation. The Project will also strengthen Government of Nepal's efforts to meet its millennium development goals. The project is to be implemented in 6 months.
- 2. The Enhance Functionality in Small Towns Water Supply and Sanitation Sector Project (STWSSSP) uses a sector lending modality of ADB. A total of 29 towns are proposed to be covered under the project. Preparation for the The Enhance Functionality STWSSSP is underway and the funding is secured by the ADB as well as the GON. Department of Water Supply and Sewerage (DWSS) is the implementing agency whereas the Ministry of Urban Development is the executing agency. The project will assist in implementing a part of the 15-year Development Plan for Small Towns Water Supply and Sanitation Development in the country and 29 Small Towns will be covered by this project.

#### **B. Proposed Subproject Components**

3. This land acquisition and resettlement due diligence report is prepared for the proposed Surunga Small Towns Water Supply and Sanitation Sector subproject, under the The Enhance Functionality in Small Towns Water Supply and Sanitation Sector Project). The proposed service area of the water supply subproject includes ward nos. 4, 5, 8 and 9 of former Surunga VDC (Now Surunga Municipality). The total households of the wards of selected service area are 2,674 and total population is 14,493 excluding the institutional population in 2014.

#### II. SUBPROJECT DESCRIPTION

#### A. Proposed components

- 4. The Surunga sub-project has been conceptualized as a groundwater pumping system. The water for supply comes from the groundwater tube-wells source. The town has a full water treatment system. The system is operating with low efficiency because of some problem in the functioning of WTP and distribution pipeline problems Therefore these problems will be solved by the proposed project.
- 5. The details of the enhancement works are given below in Table 1.

Table 1: The details of the enhancement works

	Г							
S.	Name of structure	Existing	Additional	Total				
No.								
1	No. and capacity of Reservoirs:	1(450 cum)		1(450 cum)				
2	Treatment Facilities	1(PF 1)	Chlorination Unit	1(PF 1)				
		Chlorination Unit	(Rehabilitation)	Chlorination Unit				
3	Pipeline Length:							
3.1	Transmission	0.2 km		0.2 Km				
3.2	Distribution	35 km	15 km	50 Km				
3.3	Total	35.2 Km	15 km	50.2 Km				
4	Chlorination Unit with lab	None	One	One				
5	Office Building:	One	One	One				

- 6. The technical components are designed with close coordination with safeguard team and WUSC executive members to avoid involuntary resettlement impacts. Among the components, Deep Tube Well, Pressure filter, Disinfection Unit, Laboratory Room requires construct in existing land of WUSC. No additional land is required.
- 7. A due diligence process was conducted for proposed project sites and alignments in line with the Resettlement Framework prepared for the Third STWSSSP and ADB SPS 2009. This report describes the findings and provides copies of relevant legal documents, resolutions, minutes of meetings and photographs. Upon project implementation, the Social Safeguards Officer at 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 Surunga Water Users Committee and submit to ADB; and receive a 'no objection' confirmation from ADB prior to start of construction.

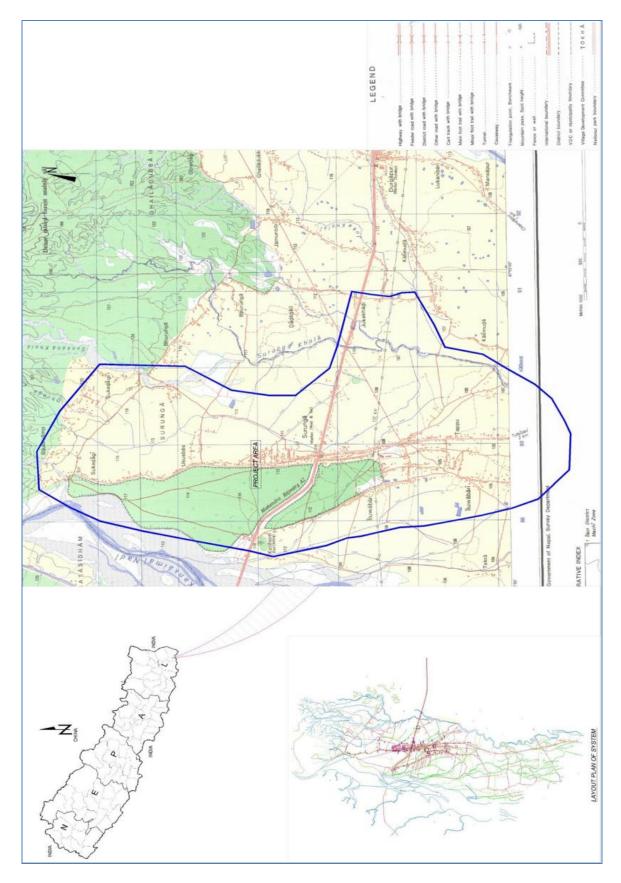


Figure 1: Map of Surunga Water Supply Subproject

#### III. FIELD WORK: SURVEYS AND PUBLIC CONSULTATION

#### A. Field Visit

8. Field visit to all proposed sites (i.e. sites with existing facilities proposed for continued use/rehabilitation, as well as new works), distribution pipeline alignment; and consultations with stakeholders were conducted to confirm land ownership and use, and the need for surveys and further consultations. Available land ownership documents for identified components were also collected during field work.

#### B. Public Consultation

- 9. 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 and inclusion of poor in the drinking water supply scheme, willingness to pay, upfront cash collection, people's participation in project implementaion were discussed.
- 10. 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 felt needs/concerns and priorities of the stakeholders. The field visits/reconnaissance surveys also helped ascertain that no further surveys and inventories are required.

**Table 2: Summary of consultations** 

Date	Location	No. of Partici pants	Participants	Topics Discussed	Issues Raised
2071/3 /28	Water Users and Sanitation Committee Office	Male = 4 Female = 1 Total = 5	WUSC executive members, project safeguard team	Upgarding the water supply system due to increase in demand	Means and required construction/rehabilitati on works to improve supply
2072/6 /8	Water Users and Sanitation Committee Office	Male = 7 Female = 3 Total = 10	WUSC executive members, project safeguard team, community users	Land acquisition resettlement Environmental Impacts while implementing the proposed, "Enhance Functionality" in Small Town Water Supply and Sanitation Sector Project	Resettlement issues, environmental issues, Willingness for individual connections to water supply; Upgrading of existing reservoirs, treatment plant & water source. Water quality; Subsidy to the poor.

#### IV. RESETTLEMENT IMPACTS

#### A. SCOPE OF LAND REQUIREMENTS

11. The sub-project components are proposed both in WUSC private land and government land. Existing facilities proposed for integration (continued use/rehabilitation within existing premises) include the rehabilitation works only. There is no new structure to

be constructed except for the chlorination units for disinfection. The rehabilitation of the treatment plant will be done within the treatment plant complex The land is owned by WUSC. The distribution pipeline will follow road's RoW (government land) for laying. The existing water supply system in Surunga Municipality will be integrated with the proposed enhancement works.

- 12. No relocation impacts or impacts on structures are anticipated at any of the identified sites or alignments for water supply improvement proposals in Surunga Project. Temporary impacts of network laying and house connections are limited to potential access disruptions for shops and residences. Land ownership documents for different sites with existing facilities, and a no objection letter and minutes of meeting/resolution to provide land for water supply facilities from the land owners are annexed to this due diligence report.
- 13. About 15 km long distribution network is proposed along public road within rights of way. No road closures will be required 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. The contractor will be required to provide signal 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 required and limit the excavation to a length of 500 m at a time to minimize disruption. Construction contracts will include the above provisions.
- 14. Provision of 4,503 house connections for the year 2030, will be made by WUSC according to the demand. They are not included in the cost estimation, therefore it will not cause any environmental or social impacts. However there will be temporary disruptions in access to residences during connection distribution process. The contractor will be required to maintain access to the public mobility if required during construction period. Table 3 gives details of IR impacts of each proposed subproject component.

No additional land is required for other project structures, because they are rehabilitation works.

Table 3: Proposed sub-project components Surunga Municipality Water Supply Sub-project and their involuntary resettlement impact status

Components	Area (sq.m)	Land Ownership	IR Impacts	IP Impacts	Proposed mitigation measures
Rehabilitation of aeration tank		Existing	Noise pollution	None	Sound muffler installed
Installation of Backwashing arrangement		Existing	Inundation	None	Proper drainage system
Installation of fire hydrant		Existing	Minor impact (site specific)	None	Traffic diversion
Network rehabilitation activities/ Additional distribution network		Existing	Traffic disturbance	None	Arrangement for traffic diversion with traffic
			Air pollution		Dust reduction should be controlled

#### V. SOCIO-ECONOMIC PROFILE

- 15. The total population of the village is around 21,616 with 4,308 households. The proposed service area covers only 12,820 population and 2,617 households which is 60% of the total households and 59% of the total population. Brahmans and Chhetris are the most dominant ethnic groups in the village, whereas Satars and Newars are the second most dominant groups. The remaining groups Rais, Magars, Damais, Sarkis, Bhujels, Gurungs and Limbus are other ethnic groups in the area. The main occupation of the inhabitants of the project area is agriculture and animal husbandry.
- 16. Deteriorating water quality, unsanitary condition and lack of personal hygiene are often blamed for the prevalence of water borne diseases. Diseases like diarrhea and dysentery are the most common in VDC and other diseases like skin irritation; infection and coughing etc are also common. Besides tuberculosis, encephalitis and malnutrition were reported during field observation. There is one health post in the project area to treat ordinary diseases. Lack of medicines and technical health workers at local area, it has become very difficult for local. For majo0r treatment people have to travel headquarter or to India (Siliguri). Most of the household (60%) uses groundwater from the shallow tube well with hand pumps without any preliminary treatment.
- 17. There is only one public toilet located along the East-West highway near bus stand at town core area of the Surunga Bazaar. The overall sanitation of Surunga bazaar is moderate with 70% of the population, using private toilet. Remaining populations use Kankai riverbank, stream nearby, fields and forest area for open defecation. The Sanitation situation of Surunga town is moderately satisfactory. The main commercial area of Surunga VDC is Surunga bazaar located in ward no 5. Most of the households in the commercial area have toilet facilities. Only 66.3% of the household have sanitation facilities; some with flush latrine, ordinary pit latrine and vented pit latrine

#### **VI. INFORMATION DESSIMINATION**

18. The DDR is publicly available in Water Users and Sanitation Committee office, District Water Supply and Sanitation Division Office, Project Management and Implementation Support Team, Project Implementation Unit. Further, the DDR is translated in local i.e. Nepali language and made available in WUSC and project regional/district office. The report is also made available to any requester including PAF and related stakeholder.

#### **VII. GRIEVANCE REDRESS**

19. The WUSC assigns one executive member as focal person to handle grievances of the Project Affected Persons (PAF) who are not satisfied with the procedure of the preparation of DDR and project implementation. The deputed member with representative of supervision consultant and contractor will settle the grievances. The WUSC in facilitation of project staffs will check the level of follow-up on these grievances and share observations. If the AP is not satisfied by the resolution the team, it will forward to executive committee of WUSC. The WUSC committee will ensure the grievances are addressed and AP is satisfied. Again if AP is not satisfied the resolution made by WUSC executive committee, it will forwarded chief district officer.

#### VIII. CONCLUSIONS

20. The subproject has insignificance impact on land and livelihood of PAF. It doesn't require dislocating any private and public structures. There is no land acquisition and hence no significant impact in livelihood of PAF but the water fetching time is reduced. The land is required for the rehabilitation of WTP ( Pressure filter), Disinfection Unit and Laboratory Room but the required land is already owned by the WUSC. That is to say that the structures will be built in the existing land. Therefore compensation cost is not required for the implementation of this sub project. It doesn't require dislocating any private and public structures and hence falls under the B category of ADB guidelines and this DDR is prepared.

# **Appendix I: IR & IP Screening Checklist**

# INVOLUNTARY RESETTLEMENT AND INDIGENOUS PEOPLE SCREENING CHECKLISTS

#### A. Introduction

1. Each project/subproject/component needs to be screen for any involuntary resettlement impacts and indigenous people impacts which will occur or already occurred. This screening determines the necessary action to be done by the project team.

#### B. Information on project/subproject/component:

a. District/ Administrative Name: Jhapa

b. Location: Surunga Municipality

c. Civil work dates (proposed): February 15, 2016 to August 15, 2016

d. Technical Description: It is an enhancement project and only rehabilitation type

of works will be carried out.

Country	Nepal	
Subproject Name	Surunga Small Town Water Supply and Sar	nitation Project

#### C. Screening Questions for Involuntary Resettlement Impact

	A. Probable Involuntary Resettlement Effects	Yes	No	Not known	Remarks
In	voluntary Acquisition of Land		•		*
1.	Will the project include any physical construction work?	N			Rehabilitation of WTP, pipeline and disinfection unit
2.	Does the proposed activity include upgrading or rehabilitation of existing physical facilities?	٧		W 18	
3.	Will there be land acquisition?		√		
4.	Is the site for land acquisition known?				NA
5.	Is the ownership status and current usage of land tobe acquired known?	√ √			NA
6.	Will easement be utilized within an existing Right of Way (ROW)?	<b>√</b>			The pipe laying will be carried out along the right of way as far as possible in order to avoid the private land and to minimize the other possible adverse impacts.
7.	Will there be loss of shelter and residential land due to land acquisition?		<b>V</b>		
8.	Will there be loss of agricultural and other				NA

	productive assets due to land acquisition?					
9.	Will there be losses of crops, trees, and fixed assets due to land acquisition?		NA			7
10.	Will there be loss of businesses or enterprises due to land acquisition?		NA			
11.	Will there be loss of income sources and means of livelihoods due to land acquisition?		NA			
Inv	oluntary restrictions on land use or on access to	legally designa	ted parks and prot	ected areas	5	
	Will people lose access to natural resources, communal facilities and services?		There is r	o any desig cted area in	nated	
13.	If land use is changed, will it have an adverse impact on social and economic activities?	√				
14.	Will access to land andresources owned communally or by the state be restricted?	√				1
Inf	ormation on Displaced Persons:	,	· · · · · ·			
Ye	Any estimate of the likely number of persons the Subproject?	hat will be disp	laced by the	<b>t</b> √ :	] No	[ ]
3.35	f yes, approximately how many? <u>None</u>	_				
P	are any of them poor, female-heads of households,	, or vulnerable	to poverty risks?	[√] No	[]	Yes
	Are any displaced persons from indigenous or et groups?	hnic minority		[√] No	[]	Yes

#### 2. Indigenous Peoples Impact Screening Checklist

	KEY CONCERNS Please provide elaborationson the Remarks column)	YES	NO	NOT KNOWN	Remarks
-	igenous Peoples Identification				-
1.	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?		<b>V</b>		The service area of the subproject is heterogeneous in terms of ethnicity/caste & culture, and no specific territory of indigenous people or socio-cultural groups has been observed. Most indigenous people in subproject areas are economically and politically integrated into the mainstream society, and considering the nature and scale of the subproject, impacts on indigenous peoples are insignificant.
2.	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?		1		
3.	Do such groups self-identify as being part of a distinct social and cultural group?		1		
4.	Do such groups maintain collective attachments to distinct habitats or ancestral territories and/or to the natural resources in these habitats and territories?		1		
5.	Do such groups maintain cultural, economic, social, and political institutions distinct from the dominant society and culture?		1		
6.	Do such groups speak a distinct language or dialect?	<b>V</b>			The ethnic groups in the service area speak their own distinct language among their members, but Nepali is spoken as common language.
7.	Has such groups been historically, socially and economically marginalized, disempowered, excluded, and/or discriminated against?	1			Dalits and Janajati groups have been historically, socially and economically marginalized, disempowered, excluded, and/or discriminated against to some extent.
8.	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?	1			

1270	Identification of Potential Impacts KEY CONCERNS	YES	NO	NOT	Remarks
(	Please provide elaborationson the Remarks column)	TES	NO	KNOWN	Remarks
9.	Will the subproject directly or indirectly benefit or target Indigenous Peoples?	V			The subproject directly benefits the Indigenous/Janajati because all the beneficiaries will get water supply service irrespective oftheir ethnicity/caste and economic status.
10.	Will the subproject directly or indirectly affect Indigenous Peoples' traditional socio-cultural and belief practices? (e.g. child-rearing, health, education, arts, and governance)		V		
11.	Will the subproject affect the livelihood systems of Indigenous Peoples? (e.g., food production system, natural resource management, crafts and trade, employment status)		1		
12.	Will the subproject be in an area (land or territory) occupied, owned, or used by Indigenous Peoples, and/or claimed as ancestral domain?		1		
	dentification of Special Requirements the subproject activities include				
13.	Commercial development of the cultural resources and knowledge of Indigenous Peoples?		1		
14.	Physical displacement from traditional or customary lands?		1		
15.	as minerals, hydrocarbons, forests, water, hunting or fishing grounds) within customary lands under use that would impact the livelihoods or the cualtural, ceremonial, spiritual uses that define the identity and community of Indigenous Peoples?		<b>V</b>		
16.	territories that are traditionally owned or customarily used, occupied or claimed by indigenous peoples?		<b>√</b>		
17.	Acquisition of lands that are traditionally owned or customarily used, occupied or claimed by indigenous peoples?		<b>V</b>		

#### D. Anticipated subproject impacts on Indigenous Peoples

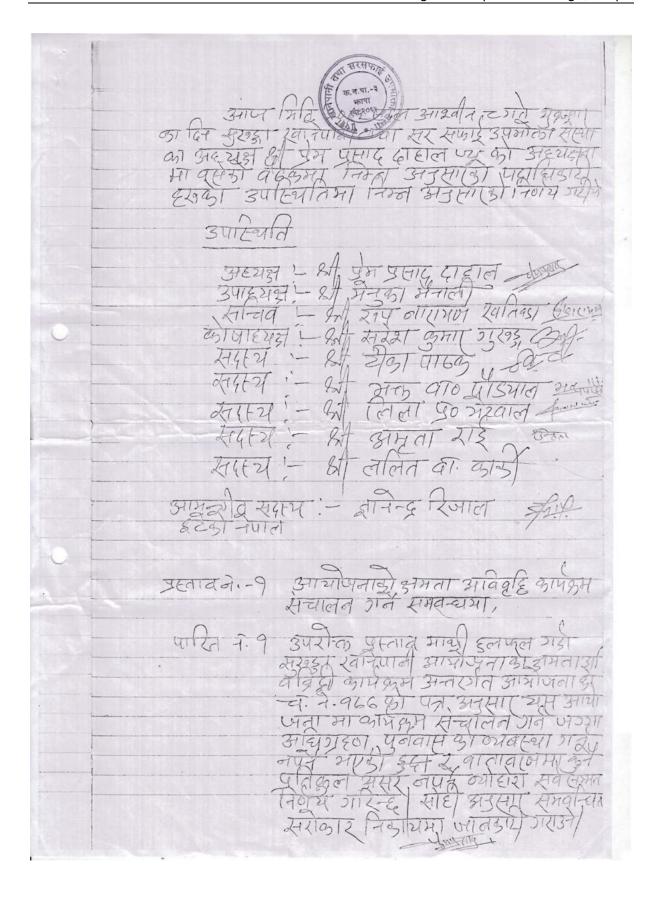
Subproject component/ activity/ output	Anticipated positive effect	e effect Anticipated negative effect		
Civil Works (Rehab of WTP, chlorination unit)	Regular water supply through efficient water supply system	None		
Pipeline Works (Excavation, pipe laving and backfilling)	Regular water supply through improved distribution network.	None		

# **Appendix II: Minutes of Meeting**

#### **English Translation of Minute of Meeting - Phase II**

Surunga Small Town Water Supply Sanitation and User's Committee organized a public hearing workshop on 2072/6/8. Participations were made from all concerned stakeholders. After discussion in the public hearing it was observed that there will be no negative impacts on the environment, no necessity of land acquisition and no need of resettlement while implementing the proposed "Enhance Functionality" in Small Town Water Supply and Sanitation Sector Project. As such it was decided to inform this conclusion to the concerned authorities.

	Surunga	1.7
	आज मिति १६६१ साल असा १८ जातेशीका- का पिन कस औ दुरुष्ण वानेपानी तथा स्ट्रसकार उकी- का पेर्टियाना अहयन , स्विष् , स्वस्य तथा क्रम्या है हुन तथा अहार का लाव वाट पालन हुने सार ७ प्रमुख ज्या अहार का लिया जा कर किया कर प्रस्थाता ज्या अहार का किया कर का का का माना मानी दिलाक पन्नस्त्रमा में जातिनिथि हुन जो नारेमा मानी दुलक्लमा निम्न अनुसा उपरियति रहन मर्यो।	3
	उत्तरियति: अह्यत्त : श्री प्रेप प्रसाद दाहाल - क्रान्स् स्विष् : श्री रुपनारापण कितिवडी स्वस्य : श्री लिला पुः श्रेटवाल क्राण्य लावापाल', श्री तारापण पुः नेपाल क्राण्य	
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	प्रक्रिण अधि च 613न सर्वसम्मत किरोप गरियो	



# **Appendix III: Photographs**



Photo No. 1



Photo No. 2



Photo No. 3



Photo No. 4