

CONTENTS

<i>Contents</i>	<i>i - ii</i>
<i>List of appendix</i>	<i>ii</i>
<i>List of Tables</i>	<i>iii – iv</i>
<i>List of Figures</i>	<i>iv</i>
<i>List of Abbreviation</i>	<i>v</i>
<i>Executive Summary</i>	<i>vi – ix</i>
CHAPTER 1 INTRODUCTION	1 – 7
1.1 Background	1
1.2 Scope of the Project	1
1.3 Need for Social Impact Assessment	2
1.4 Methodology	3
1.5 Study Period & Coverage	5
1.6 Limitations of the Study	5
CHAPTER 2 BASELINE SOCIO-ECONOMIC CHARACTERISTICS OF AFFECTED POPULATION	8 – 24
2.1 Population	8
2.2 Basic Status of Project Affected Families	10
2.3 Social Groups	12
2.4 Gender Dimensions	13
2.5 Economic Activity	14
2.6 Income and Expenditure	16
2.7 Quality of Life	18
2.8 Livestock Situation	19
2.9 Household Moveable Assets	20
2.10 Access to Basic Amenities	21
2.11 Institutional Linkages	23

CHAPTER 3	ANTICIPATED LOSSES TO AFFECTED HOUSEHOLDS AND COMMUNITY PROPERTIES	25 – 40
3.1	Introduction	25
3.2	Land Tenure	25
3.3	Project Affected Lands	27
3.4	Residential Houses and Other Properties	30
3.5	Business and Income Loss	32
3.6	Loss of Community Properties	33
3.7	Perception of the Affected Population	36
3.8	Analysis of Anticipated Impacts and Social Support	37

APPENDIX

Appendix-I	Social Impact Management Plan (SIMP)	46-53
Appendix-II	Specimen Pictures of Gram Sabha	54-55
Appendix-III	Specimen Pictures of Affected Social Assets	55-56
Appendix-IV	Format of Household Survey Schedule	57-61
Appendix-V	Format of Semi-Structured Interview Schedule for Focus Group Discussion	62-64

List of Tables

Table No.	Title	Page No.
1.1	Project Affected Villages covered in the SIA Study	5
1.2	Village Wise Number of Affected Households Covered in the SIA Study	6
2.1	Population Details of NH54 Project Affected Villages (2011 Census)	8
2.2	Main Classification of Workers in the NH54 Project Affected Villages (2011 Census)	9
2.3	Basic Living Conditions of Project Affected Households – District Wise	10
2.4	Access to Land by the Affected Households	12
2.5	Social Groups and Religion in the Project Affected Areas	13
2.6	Gender Distribution of the Project Affected Population	14
2.7	Main Livelihood Activities of the Affected Households	15
2.8	Distribution of Annual Income of the Project Affected Households	17
2.9	Education Achievement and Health Conditions of the Members of the Project Affected Families	19
2.10	Number of Livestock Currently Available in the Project Affected Areas	20
2.11	Household Moveable Assets in the Affected Areas – District Wise	21
2.12	Access to Basic Housing Amenities – District Wise	22
2.13	Main Source of Drinking Water Supply – District Wise	23
2.14	Access of the Project Affected Households to Banking Facilities	23
2.15	Participation of Households in Activity Related NGOs	24
3.1	Estimated Areas and Number of Private Lands needed for Acquisition	27
3.2	District Wise Number and Areas of Lands Likely to be Acquired	27
3.3	Ownership Status of Affected Lands	28
3.4	Purposes of Which the Affected Lands are Used	30
3.5	Private Properties to be affected by the Project	31
3.6	Structure Types of Affected Private Properties	31
3.7	Business Establishment (likely Business Loss) in the Affected Areas	32
3.8	Likely Business Income Loss due to Land Acquisition	32
3.9	Estimated Annual Income Loss from Agriculture and Allied Activities	33
3.10.	Anticipated Losses of Community Property and Assets due to Land Acquisition	34
3.11	Extent of Anticipated Damage of the Community Property caused by the Project (Number)	34

3.12	Extent of Anticipated Damage of the Community Property caused by the Project (Percent)	35
3.13	Community Properties identified to be ‘Sensitive Receptors’ of the Project	36
3.14	General Perception of the Households on the Preparation and Implementation of the Project	37
3.15	General Perception of the Community on the Various Stages of Project Implementation	38
3.16	Projected Changes in the Social and Economic Conditions in the Affected Areas due to the Project	39
3.17	Community Properties and Assets Likely to be Damaged by the Project : Aizawl District	42
3.18	Community Properties and Assets Likely to be Damaged by the Project : Serchhip District	43
3.19	Community Properties and Assets Likely to be Damaged by the Project : Lunglei District	44
3.20	Community Properties and Assets Likely to be Damaged by the Project : Lawngtlai District	45
3.21	Community Properties and Assets Likely to be Damaged by the Project : Saiha District	46

List of Figures

Figure No.	Title	Page No.
2.1	Main Livelihood Activities of the Project Affected Families (Percent)	15
2.2	Distribution of Annual Family Income (Rs) of the Project Affected Households (Percent of Households)	16
2.3	Consumption Patterns of the Households (Percent)	18
2.4	Educational Levels of the Project Affected Population (Percent)	18
3.1	Status of Land Ownership in the Project Affected Areas	26
3.2	Years of Occupation of the Land by the Affected Households (% of Households)	29
3.3	How the Lands are Acquired or Land Transfer (% of lands)	29
3.4	Percentage of Affected Households to Support the Project (based on household survey)	40
3.5	Opinion of the Village Community and NGOs (as recorded in Gram Sabha Minutes)	41

List of Abbreviations

AAY	- Antyodaya Anna Yojana
DPR	- Detailed Project Report
FGD	- Focus Group Discussion
JICA	- Japan International Cooperation Agency
LSC	- Land Settlement Certificate
MHIP	- Mizo Hmeichhe Insuihkhawm Pawl
MLARR	- Mizoram (Land Acquisition, Rehabilitation and Resettlement) Act
NGO	- Non-Governmental Organization
NH	- National Highway
NHIDCL	- National Highways & Infrastructure Development Corporation Ltd.
OBC	- Other Backward Classes
P.Patta	- Periodic Patta
PHE	- Public Health Engineering
RAP	- Resettlement Action Plan
RP	- Rehabilitation Plan
SC	- Scheduled Caste
SHG	- Self Help Group
SIA	- Social Impact Assessment
SIMP	- Social Impact Assessment Plan
ST	- Scheduled Tribe
VC	- Village Council
YLA	- Young Lai Association

EXECUTIVE SUMMARY

1. Background

1.1. India Sorkar, Ministry of Road Transport and Highway chuan Mizoram chhunga NH-54 chu National Highway *double lane* nih dan tur ang taka tih zauh leh siamthat chu a ngaih pawimawh hmasak a ni a. He ruahmanna hi Aizawl atanga bul tanin Tuipang thleng, km 381 vel zet a thui niin, district panga - Aizawl, Serchhip, Lunglei, Lawngtlai leh Saiha te a paltlang a. He project atana sum mamawh hi Japan International Cooperation Agency(JICA) chuan a tum anga, hna erawh National Highways & Infrastructure Development Corporation Ltd. (NHIDCL) in a kalpui thung ang.

2. Scope of the Project

2.1. Hmalakna turte chu kawng awmsa meter 6.5 atanga meter 12 zeta laih zauh hna thawh te, kawngpui sir tluana ke-a kalna (*pavement*) siam te, a tulna hmun apianga culverts leh *permanent structures* siam te, kawng kual ulh lutuk siamthat leh tihzauh te, kawng chhuk chho lutuk pumpelh nana kawng kal dan thlak danglam te, a tulna laia tuihawk luankawrh cement hmanga siam te, *traffic signs* dah zel te a ni. He project hian mihring khawsakna leh eizawna hmun changtlung tak a paltlang avangin ram tihchhiat man sang tak bakah in leh lo chante inbenbel lehna chungchangah pawh harsatna lian tham tak a thlen a ni. Tuna kawngpui awmsa pawh hian hmun awih tak tak leilung nghet lo leh lei min awlsamna lai hmun tam takah a paltlang avangin hun lo kal zel turah harsatna lian tham tak thlen thei a ni.

3. Social Impact Assessment

3.1 He project hian a paltlang huam chhungah mamawh thiarvelna leh veivahna a tisamkhai sawt anga chu chuan lo neih atanga tharchhuah hralhna tur hmun thlen chungchangah te, lo neih kaihnawih eizawna remchang tam zawk siam te, thil siamchhuah lam leh *service sector* lam thlengin nghawng tha a nei ang. Hetih rual hian, mipui khawsak hona kawngah a chhe zawnga nghawng neiin, bungrua leh thil neih chan phahna te, eizawna chan phahna te, vantlang inhman tawm chi bungrua leh mamawh bulpui pawimawhte chan phahna a thlen bawk ang. A bik takin, eizawna kawnga dinhmun derthawng leh rethei zawkte chu chutiang nghawng tha lo laka him lo zual turte an ni. Chutiang nghawng duhawm lo thleng theite dapchhuah leh tih ziaawmna tur siam chu project ruahmana leh ruangam din lai leh a taka kalpui hunah, project belhchian dawh leh mipui sukthlek mil hmalakna (social sustainability of the project) a nih ngei theih nan thil tul tak a ni.

3.2 Mizoram (Land Acquisition, Rehabilitation and Resettlement) Act, 2016 (MLARR, 2016) chuan eng hmalakna pawh ram leilung tihchhiat ngai chi reng rengah chuan Social Impact Assessment(SIA) neih ngei tul a ti a. SIA chu langtlang takin tualchhunga chanvo neitu hrang hrangte nen kalpui niin, Social Impact Management Plan(SIMP) pawh project nghawng tha lo awm theite siamthatna tur tarlang chungah buatsaih a ni. SIA hna chuan vantlang nunphungah nghawng a neih dan te, mipui leh an eizawna dinhmun tlangpui leh hmalakna tur huam chhunga vantlang thil zirchian te huam a.

4. Study Layout

4.1. SIA hi thuang hniha kalpui a ni a, chungte chu Gram Sabha leh Household Survey an ni. A hmasa zawk hi *interview schedule* hmanga hmalaknain a nghawng tur chhungkua thlanchhuah te, vantlang thil tihchhiat tur ziahchhuah te leh, Focused Group Discussion(FGD) hmanga mipuiin project an lo thlir dan leh dawnawn dan zirchianna a ni. He tih rual hian project hmalakna tur huam chhunga mimir khawsak phung leh sum leh pai dinhmun zirchian nan *household survey* pawh neih a ni bawk. A hmuna kal chilha zirchian hna hi September ni 15, 2016-ah tan niin November ni 4, 2016-ah zawh fel a ni.

4.2 Project in a nghawng tur khaw tinah workshop(inrawnkhawmna hun) neih a ni a, he hunah hian VC member te, NGO aiawh te, khawchhung pa rawnte leh project-a mawhphurhna neite an tel a ni. He workshop thu leh hla hi he report-ah hian '*focus group discussion report* emaw *Gram Sabha* report tia tarlan a ni. Hemi zawhah hian *affected household survey* pawh tarlan a ni bawk.

4.3. Report ziah dan chu hetiang hi a ni:

Executive Summary

Introduction

Baseline Socio-Economic Characteristics of Affected Population

Anticipated Losses to Affected Households and Community Properties

Social Impact Management Plan

Appendices and Annexures

4.4 SIA report hi a famkim tawk lohna chhan hrang hrang a awm a. A hmasa berah chuan SIA Team te hi *land survey* chungchanga thiamna bik nei an nih loh avangin ram tihchhiat tur zau zawng chhut chhuah kawngah harsatna an nei a. Chutih rual vek chuan a nghawng tur chhungkuate hian, a tlangpuiin an ram zau zawng dik tak leh project hmalaknain a tihchhiat

tur chin an hrechiang lo hle bawk. Pahnihnaah chuan ram neitu, khaw danga chengte chu anmahni an awm loh avangin leh hun a chep bawk si avangin survey ah hian telh theih an ni lo a. Pathumnaah chuan a nghawng chhungkuate hian an sum lak luh zat te, hman ral zat te leh an nitin khawsak phung leh eizawna chungchangah engmah chhinchhiah mumal an lo nei lo chu harsatna a tling a ni.

5. Socio-Economic Background

5.1 Project hian chhungkua 3534 zet a nghawng a, chung zinga 86.05% te chu anmahni ina cheng niin, chung ho chuan an chenna in, sumdawna leh an ram thil dang atana an hman te chu an chan dawn a ni. Heng chhungkua zinga 98.98% hi ST niin 99.46% te chu Christian an ni. Chhungkua 25% aia tam mah chu hmeichhe enkawl chhungkua an ni. Chhungkaw tina mihring chengte zirchianna chuan *working population* chu a tam ber an ni tih entirin, mihring cheng a nghawng 65% aia tam mah chu an kum ngaihtuahin hnathawk thei an la ni a ni (Kum 15-60). Zirna lamah erawh an hniam fal hle, a chhan chu a zatve aia tam(53%) mah hi pawl 8 thleng chauh lehkha zir an ni.

5.2. Mipui a nghawngte hi an retheih em avangin eizawna leh chenna hmun tih danglam chu awlsam taka tuar mai thei an ni a. Project-in a nghawng tur chhungkaw chanve deuthaw chu BPL leh AAY chhungkua an ni nghe nghe. Agriculture leh a kaihhnawih lam eizawna chu sum lak luhna hnar ber nia a lan lain, chhungkaw thahnem tak chu nitin inhlawh chawpa eizawng niin, chu chuan mi chengte eihmuhna chu a derthawng viau tih a entir. Ran vulha eizawna chu an sum hnar pawimawh tak pakhat a ni a, an ran vulh lar zual te chu ar, vawk leh kel niin hengte hi *livelihood intervention scheme* siam a nih hunah ngaihpawimawh a tul awm e. Bank account kal tlanga sum leh pai enkawl kawngah an sang hle a, za zela 98 zetin bank account an nei a, hetih lai hian bank loan la chhungkua erawh an tlem hle thung, hei hian bank an hman tangkai tawk lo tih a entir awm e.

6. Anticipated Loss of Properties

6.1. He project hian mimal ram 3000 aia tam a paltlang anga, ram tihchhiat tur zawng zawng zau zawng hi hectare 100 zet a ni ang. Heng ram tihchhiat turte hi LSC(65%), Periodic Patta(4%), VC Pass (24%) leh a dang(2%) leh pass awm lo(5%) an ni. Ram lak tam ber hi turte hi tun dinhmunah chenna atana hman mek an ni(67.57%).

6.2. Project avang hian chenna in 3,230 zet chu a za vaiin emaw, a then a zar tihchhiat tur a ni ang. Heng zinga in 479 chu *concrete building*, 2160 chu *assam type* niin 583 chu rap in an ni. Heng chenna in mai bakah hian project hmalakna hian in hungna te, vawk in te, chuktuah huan te, tuizem leh tanky te, ek in leh bathroom te, thlai chinna hmun te, pipe hmanga tui in tur lakna te leh thil dang tam tak tichhe tura ngaih a ni. Project hmalaknain a

paltlang tur huam chhungah hian dawr 360 zet a awm a, heng bakah hian sumdawwna hmun - restaurant, hotel, thilchhe siamna leh a dangte chu kawng dungah hian an awm bawk.

6.3 Project hian khawtlang hmasawwna ruhrel pawimawh tam tak sorkar department enkawl mek te, khawchhung thuneitute emaw vantlang mipui enkawl te, sakhaw lam pawl thil te leh mimal sumdawwna thil engemaw zat a tichhe tura ngaih a ni. Chung khawtlang hmasawwna ruhrel pawimawhte chu electric ban, street light, khawchhung inkalpawhna kawng, sakhaw hmun(Biak in, hall, puithiam/pastor quarters), community hall(VC house, indoor stadium), vantlang tuikhur, tui semna hmun(water points), tuihna, thlanmual, school, bazaar, damdawi lam mamawh awmna leh reserve forest te an ni.

7. Projected Impacts and Social Support

7.1. Project in a nghawng tur hriatna atana tehfung hrang hrang hmanga Gram Sabha leh public meeting atanga zirchianna chuan project hi hlawhtling taka tihzawh a nih hunah chuan hmun tam takah a tha lam zawngin nghawng a nei ngei ang tih a entir a. Statistics thiamna hmanga enchhinna pawhin project hian a tha lam zawngin rahtha a chhuah ngei ang tih a entir bawk. A tawi zawngin sawi ta ila, project hian a paltlang tur huam chhunga eizawwna kawngah te, inhlawhna chungchangah te, sumdawwna kawng tha zawk a hawn chungchangah te, thlai chin dan tura a nghawng neih te, huan lo panna chungchang te, ran vulh hmanga sum hailuh lamah te, mipui mimir sukthlek leh khawsak phungah te, pem lut leh chhuak chungchangah te hmasawwna a thlen avangin vantlang khawsak phung leh ei bar zawwna kawngah rahtha a chhuah ngei ang.

7.2. Mipui ten project chungchang an hmelhriat dan erawh a hniam hle a, a chhan chu a tam zawk fe hian project inrelbawl na lam leh kalpui dan tur kaih hnawih thilah ngaih dan fumfe an siam thei lo a ni. Hetiang thil fuh tawk lo lai hi awm bawk mahsela, project kalpui ngei chu mipui lam duhdan niin mi tlem te, za zela 2 vel chauhin project hi a taka kalpui an duh loh thu an tarlang a ni. Hei bakah hian, tuna project duh lo te pawh hian an hriat chian hunah an duh ve tho tura ngaih a ni.

8. Social Impact Management Plan (SIMP)

SIMP hi a hranpain Report Appendix-ah tarlan a ni.