

# **Social Monitoring Report**

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## **Semi Annual Monitoring Report**

**(July- December)2017**

### **NEP: Electricity Transmission Expansion and Supply Improvement Project (Loan/Grant:2808/0270/0271)**

Prepared by the Government of Nepal for the Asian Development Bank.

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**February 2018**

## **CURRENCY EQUIVALENTS**

(24 Jan 2018)

Currency Unit	-	Nepalese Rupee (NRs)
US \$1.00	-	101.74

## **ACRONYMS**

ADB	-	Asian Development Bank
CDC	-	Compensation Determination Committee
CDO	-	Chief District Officer
DLRO	-	District Land Revenue Office
DLSO	-	District Land Survey Office
EIA	-	Environmental Impact Assessment
ESSD	-	Environmental and Social Studies Department
ETESIP	-	Electricity Transmission Expansion and Supply Improvement Project
GoN	-	Government of Nepal
GRC	-	Grievance Redress Committee
Ha	-	Hectare
IEE	-	Initial Environmental Examination
OIPA	-	Officer Initiating Preliminary Action OIPA
kV	-	kilo Volt
NEA	-	Nepal Electricity Authority
RoW	-	Right of Way
RP	-	Resettlement Plan
SPS	-	ADB Safeguard Policy Statement (2009)
T/L	-	Transmission Line

## Table of Contents

A.	BACKGROUND .....	5
A-1	Subprojects and Physical Progress.....	5
A-2	Monitoring Requirements and Frequency of Submission .....	7
A-2-1	Scope of Semi Annual Monitoring Report .....	8
A-2-2	Reporting Period .....	8
B.	CHANGES IN PROJECT SCOPE AND ADJUSTED SAFEGUARD MEASURES .....	8
D.	MONITORING PARAMETERS/INDICATORS AND METHODS .....	9
E-3-2	The Monitoring Results .....	10
E-3-2-1	Scope of Land Acquisition .....	10
E-4	Progress on Compensation Distribution and Land Acquisition.....	12
E-4-1	Compensation for Acquired Land.....	12
E-4-2	Compensation for Structures.....	13
E-4-3	Compensation for Trees/Plants and Crops.....	13
E-4-4	Underlying Issues Associated to Acquisition and Compensation Distribution .....	13
E-4-6	Ensuring IPs Identity, Human Right, Livelihood and Cultural Uniqueness.....	14
F.	GRIEVANCE REDRESSAL MECHANISMS .....	15
H.	GAPS AND CORRECTIVE ACTION PLAN .....	16
I.	RECORDS ON DISCLOSURE OF MONITORING INFORMATION.....	16
J.	MONITORING ADJUSTMENT MEASURES RECOMMENDED.....	16
K.	INSTITUTIONAL ADJUSTMENTS TO IMPLEMENT MONITORING PLAN.....	16
L.	PROPOSED MAJOR ITEM OF FOCUS FOR NEXT REPORT .....	17

**List of Tables:**

Table A-1: Status of the Subprojects .....	5
Table A-2: Subproject Components with Land Acquisition and Resettlement Impacts .....	8
Table D-1: Categorization of Resettlement Impacts.....	8
Table E-1: Progress on Previous Semiannual Targets.....	12
Table E-2: Estimated Area of Land to be Acquired and Acquisition Status .....	12
Table E-3: Compensation Distribution Status for Land .....	12
Table E-4: Compensation Distribution Status for Displaced Structures .....	13
Table E-5: Compensation Distribution Status for Affected Trees.....	13
Table F-1: Submitted Grievances and Status.....	15
Table L-1: Focus of Next Semi Annual Report.....	17

**APPENDICES**

## A. BACKGROUND

1. The Asian Development Bank (ADB) approved Electricity Transmission and Supply Improvement Project (ETESIP) on 15 November 2011, agreement with Government was signed on 23 March 2012 and declared effective on 21 June 2012. The Project consists of Asian Development Fund (ADF) loan equivalent to \$56 million at the time of approval (Loan 2808), ADF grant of \$19 million (Grant 0270), and a grant from the Government of Norway equivalent to \$25 million (Grant 0271). The total project cost is \$128 million with balance (\$28 million) being funded by NEA and the Government of Nepal (GoN). In addition to the loan and grants, a capacity development technical assistance (TA 7923) amounting \$2 million been approved by ADB and is piggybacked to the loan and complements on implementing of Gender and Social Inclusion (GESI) Action Plan.
2. The expected outcome of the project is improved electricity supply. The project is funding for 3 components: (i) improving the performance of transmission, (ii) distribution, and (iii) generation system of NEA.

### A-1 Subprojects and Physical Progress

3. The subprojects corresponding to the project outputs on; (i) increased electricity transmission, (ii) expanded electricity distribution, and (iii) enhanced electricity generation (iv) efficient project management and their status are presented in **Table: A-1**.

**Table A-1: Status of the Subprojects**

SN	Sub-Projects	Status
<b>Output A: Increased Electricity Transmission</b>		
1	Kohalpur-Mahendranagar 132 kV Transmission Line- 2 <sup>nd</sup> Circuit Stringing	<ul style="list-style-type: none"> <li>Completed all 191 km second circuit stringing of this section</li> <li>Land acquired, and compensation payment activities completed for substations construction at Neulapur VDC of Bardiya district and between Pahalmanpur-Aamkhaiya of Kailali district for substation construction and ROW impacts.</li> </ul>
2.	Tamakoshi (New	<ul style="list-style-type: none"> <li>Contract for Tamakoshi (New Khimti) - Barhabise 220/400 kV</li> </ul>

SN	Sub-Projects	Status
	Khimti)- Kathmandu 220/400kV Transmission Line	<p>Transmission Line is awarded and detail design is completed. Similarly, contract award for Barabise – Kathmandu 400/220 Kv and 132 kV Transmission also completed.</p> <ul style="list-style-type: none"> <li>• Final check survey of Tamakoshi - Kathmandu Transmission line is ongoing. Contractor has prepared and submitted detailed design report for Tamakoshi-Kathmandu new transmission line and submitted to the project for review.</li> <li>• Contractor has mobilized for Barhabise- Kathmandu 400/220 kV and 132 kV transmission line project and the contractor has completed detailed survey and tower design is ongoing.</li> <li>• The contractor has initiated loss assessment for RoW of Tamakoshi – Barabise transmission line. The cadastral map collection from respective land survey office is ongoing. Similarly, overlaying route alignment on cadastral map is initiated to identify land plots that fall in RoW to determine the land size required to be acquired.</li> <li>• Loss assessment for RoW of Bahrabise-Kathmandu transmission line is initiated. The route alignment is finalized, and contractor has submitted detailed design and waiting for approval. The collection of cadastral maps from Dolakha and Sindhupalchowk district land survey office is ongoing.</li> </ul>
3.	Expansion of Chapali Substation (Land already acquired under EAEIP)	<ul style="list-style-type: none"> <li>• Expansion works ongoing at Chapali substation (land acquired by NEA under Energy Access and Improvement Project 2587 funded by ADB. Remaining work of generator maintenance is completed.</li> <li>• Completed expansion works at Bhaktapur and Okhaltar substations.</li> </ul>
<b>Output B: Expanded Electricity Distribution</b>		
4.	Augmentation of Distribution Services (East)	<ul style="list-style-type: none"> <li>• Completed upgradation of 33/11 kV distribution substations at Chandragadhi, Damak (Buluchwouk), Belbari, Jaleswor, Gaur, Nijgadh, and Jare.</li> <li>• This is rehabilitation in the existing substations and land acquisition was not required.</li> </ul>

SN	Sub-Projects	Status
5.	Augmentation of Distribution Services (west)	<ul style="list-style-type: none"> <li>• Upgradation of 33/11 kV substations at Parasi, Amuwa, and Taulihawa, Krishnanagar, Gorkha, Gaddachowki has been charged and Mirmi, upgrading ongoing</li> <li>• This is rehabilitation of the existing substations, so land acquisition was not required.</li> </ul>
6.	Upgradation of Distribution Lines	<ul style="list-style-type: none"> <li>• Distribution lines upgradation is ongoing.</li> <li>• The proposed sites for upgrading are mostly earthquake-stricken areas at Kathmandu, Bhaktapur, Kavrepalanchowk, Sindhupalchowk, Dolakha, Sindhuli and Ramechhap.</li> <li>• Earthquakes and subsequent landslides have impeded the progress of the project. However, by now, about 50% upgrading work has been completed.</li> <li>• No land acquisition is required.</li> </ul>
<b>Output C: Enhanced Electricity Generation</b>		
7.	Rehabilitation of Sundarijal HPP (640 kW)	<p>Contract agreement has been signed. Rehabilitation works has been planned within existing power plant premises. No land acquisition is required.</p> <ul style="list-style-type: none"> <li>• Civil work ongoing at intake site. Project is also working to establish a museum type office building for which NEA has issued IFB .</li> </ul>
8	Rehabilitation of Tinau HPP (1MW)	<ul style="list-style-type: none"> <li>• The project has not been selected for implementation at this time due to insufficiency of time.</li> <li>• No acquisition required as the works will be done in the existing plant premises.</li> </ul>

## A-2 Monitoring Requirements and Frequency of Submission

4. As per the loan agreement and reporting requirements, the borrower (NEA) prepares semiannual safeguard monitoring report and submits to ADB. The semiannual report is to be based on the periodical report submitted by the subprojects, document review, field information and meeting and consultation with stakeholders including affected persons, and the relevant project staff.

### A-2-1 Scope of Semi Annual Monitoring Report

5. The Semiannual report contains information related to execution of different subprojects/components including land acquisition and resettlement plan (RP) implementation activities and also ensures safeguard provisions and compliance verification as applicable. The scope of this semiannual report includes the following project components having land acquisition and resettlement scope/impact (**Table A-2**).

**Table A-2: Subproject Components with Land Acquisition and Resettlement Impacts**

S.N.	Subproject Components
1.	Tamakoshi(New Khimti)- Kathmandu 220/400 kV Transmission Line
2.	Expansion of Chapali Substation
3.	Second Circuit Stringing of Kohalpur-Mahendranagar 132 kV Transmission Line and associated substations subproject

### A-2-2 Reporting Period

6.The reporting period of this semiannual report covers from July-December 2017.

## B. CHANGES IN PROJECT SCOPE AND ADJUSTED SAFEGUARD MEASURES

7.NEA has decided to carry out Changunarayan, Barabise and Lapsephedi ETESIP components from Power Transmission and Distribution Efficiency Enhancement Project . The scope of land acquisition and compensation has been shifted to the project. The project has prepared resettlement plan as required. Progress on compensation payment and other livelihood restoration measures will be monitored and reported by the new project.

## C. QUALITATIVE AND QUANTITATIVE DATA

8.The monitoring report contains both quantitative and qualitative data. Safeguard related quantitative data and implementation issues (e.g. area of affected land, number of affected persons and their affected assets, and compensation payment status etc.) were collected through NEA's official record and relevant project offices/officers. Qualitative data and other subjective



information were collected through consultation, meeting, discussion, official and unofficial dialogue with project officials, project affected families, local communities, and other stakeholders.

#### **D. MONITORING PARAMETERS/INDICATORS AND METHODS**

9. The ETESIP has been categorized as category B for involuntary resettlement. The monitoring parameters/indicators includes (i) type of acquisition impacts, (ii) extent of impacts, (iii) measures adopted to mitigate the impacts, (iv) implementation status of mitigating measures, (v) consultation and dissemination, (vi) grievance redressal, (vii) compensation payment, (viii) deed transfer (ix) resettlement and rehabilitation etc. and comparative analysis of current situations.

#### **E. SEMI ANNUAL MONITORING RESULTS**

10. The following sections describes progress on resettlement plan implementation and compliance with safeguard requirements:

##### **E-1 Progress on Documentation and Approval**

11. Most of the project components (subprojects) do not require social safeguards assessment as they belong to augmentation of existing substations, upgradation of distribution lines, and rehabilitation works. Only some of the ETESIP components have social safeguards/resettlements scope (e.g. Chapali SS, Barhabise-Khimti-Kathmandu Transmission towers construction and RoW restriction for transmission lines, and Kohalpur Mahendranagar 132 kV second circuit stringing subproject). Census survey and social impact assessment of transmission line will be carried out after finalization of cadastral survey and an updated RP will be prepared and submitted to ADB for approval and disclosure.

##### **E-2 Monitoring Results Compared Against Previously Established Benchmarks**

12. **Table E-1** provides the status towards achieving the targets as established.

**Table E-1: Progress on Previous Semi-Annual Target**

S.N	Description	Status
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1.	Establishment and operationalization of Safeguards Unit in the Project	The project has entered an agreement with Environment and Social Studies Department (ESSD) for providing support to implement safeguard activities in field level.  The field team has mobilized for Tamakoshi – Barabise transmission line for implementing, facilitating and monitoring safeguard activities.
2.	Completion of land acquisition, compensation and other safeguard requirements and deed transfer for Chapali substations site.	Expansion works ongoing at Chapali substation (land acquired by NEA under Energy Access and Improvement Project 2587 funded by ADB. Remaining work of generator maintenance is completed.
3	Consultation and communication	The field based safeguard team has initiated consultation with affected person of Tamakoshi – Barabise transmission line
4.	Cadastral survey	Cadastral survey for permanent acquisition for tower erection and maintain RoW for Tamakoshi- -Barabise transmission line initiated.  The contractor of Barabise- Kathmandu transmission line yet to initiate cadastral collection and survey work

### **E-3 Monitoring Results Compared Against the Objectives of Safeguards**

#### **E-3-2 The Monitoring Results**

##### **E-3-2-1 Scope of Land Acquisition**

13. Based on the latest data the scope of land acquisition for ETIESP has been estimated to be around 18.0925 after deduction of estimated area (about 8.50 ha) to be acquired for Lapsiphedhi in the previous calculation (26.5925 ha). Out of which acquisition of about 4.0935 ha for Pahalmanpur substation in Kailali, and Bhurigaon substation in Bardiya, Neulapur has already

been completed. Next, the NEA has also already acquired another 1.729 ha of land for Chapali substation, Kathmandu under ADB funded Energy Access and Improvement Project (NEP-2582).

14. The contractor has prepared and submitted detailed design of tower footing and angle tower to NEA for Tamakohshi – Barabise 400 kV transmission line and awaiting for approval. The contractor has initiated collection of cadastral maps to assess land required maintaining RoW and tower footing Tamakoshi-Khimti and Kathmandu 400 kV transmission line. The area of estimated land and location for tower footing still remaining. ESSD has mobilized team to operationalize safeguards activities Tamakoshi – Barabise transmission line in field level. Similarly, for Barabise – Kathmandu transmission line the check survey is ongoing and total land area required maintain RoW is yet to be initiated. Finalization of RoW and tower footing will bring further update on the total area of land to be acquired under the ETESIP which will be updated in the subsequent progress report. **Table E-2** summarized the status of acquisition scope as of the date.

**Table-E-2: Estimated Land Area to be Acquired and Acquisition Status**

S.N	Subprojects	Description of Land To be Acquired			
		Estimated Land Area in (Ropani-Aana-Paisa-Daam)[a]	Area in (square meter)[b]	Area in ha[c]	Acquisition Status
A. Land To be Acquired Through Formal Acquisition					
1.	Pahalmanpur Substation ,Kailali, (Ward No.2)	-	20935	2.0935	Acquired
2.	Bhurigaon substation, Bardiya, (Neulapur Ward No. 6) in Bigha Kattha and Dhur	-	20741.17	2	Acquired
5.	Lapsiphedhi [e]	-	-	-	-
6.	Land Required for Constructing 400 kV Transmission Towers from Barhabise to Kathmandu.	Yet to be acquired [e]	Yet to be acquired	Yet to be acquired	To be Assessed and Acquired
7.	Chapali Substation	34-0-0-0	17297.16	1.729	Already completed under ADB funded EAIP
B. Restriction of Land to Maintain RoW					
8.	Tamakoshi(New Khimti)- Kathmandu 220/400 kV Transmission Line Tower Footing	Yet to be acquired	Yet to be acquired	Yet to be acquired	To be Assessed

9	Area of Land To be Restricted for RoW	Yet to be determined	Yet to be determined	Yet to be determined	Yet to be determined
	<b>Estimated Total (To be updated )</b>			<b>18.0925 [e]</b>	

*Note: the actual area of land will be updated after acquisition of land for the remaining components*

*[a]=Land measurement units followed in hill area of Nepal, according to which 1 ropani = 16 aana, 1 aana= 4 paisa and 1 paisa = 4 Daam, [b] 1 ropani = 508.74 sq.m. [c] 0.10000 m2=1 ha. [d] NEA has assigned another ADB funded project (PTDEEP) to process and complete land acquisition activities [e] The calculation is based on only some of the acquired as well as estimated area of land yet to be acquired*

## E-4 Progress on Compensation Distribution and Land Acquisition

15. Based on the semiannual review, land acquisition and compensation payment has been completed in Chapali, Pahalmanpur and Bhuregaon substations. The following subsections abridges the progress on compensation distribution by type of impacts. Details on affected assets and compensation distribution status are incorporated in **Appendix-2**.

### E-4-1 Compensation for Acquired Land

By the end of last semiannual period a total number of 79 households displaced due to land acquisition for Chapali Substation (58 HH), Bhuregaun and Pahalmanpur substations (8 HH) under Butwal- Mahendranagar second circuit stringing (13 HHs) were compensated. The total affected area of compensated households is about 13.78 ha under Chapali, Butwal – Mahendranagar-Bhuregaun, and Butwal Mahendranagar –Pahalpamput substations. The list of people received compensation of each subproject for their assets is included in Appendix 2.

**Table E-3: Compensation Distribution Status for Land**

S.N.	Subproject Name	Displaced HHs	Acquired Land Area (ha)	Compensation Paid/Received HHs
1.	Chapali Substation	58	1.729	58
2.	Butwal-Mahendranagar: Bhuregaun Substation	8	2	8
3.	Butwal-Mahendranagar:Pahalmanpur Substation	13	2.0935	13
4.	<b>Subtotal</b>	<b>79</b>	<b>5.78</b>	<b>79</b>

## E-4-2 Compensation for Structures

16. Altogether 13 different type of structure (residential, cattle shed, temporary residential) belonging to 19 households have been affected in Chapali station under the ETESIP (Table E-4). By now, the project has compensated 10 households for their 10 affected structures. Of the 10 compensated affected structures 4 structures affected in Chapali substation were constructed by the squatters and the remaining structures were constructed by the owners of the affected land.

17. **Table E-4** summarizes the information of compensated structures by subprojects.

**Table E-4: Compensation Distribution Status for Displaced Structures**

S.N.	Subproject Name	Displaced HHs	No. of Displaced Structures	Compensation Paid/Received HHs
1.	Chapali Substation	4	4[1]	4
2.	Butwal-Mahendranagar: Bhuregaun Substation	2	2[2]	2
3.	Butwal-Mahendranagar:Pahalmanpur Substation	4[3]	4[3]	4
4	<b>Total</b>	10	10	10

[1] squatters who have constructed shed on affected land

[2] & [3] The households also have impact on their land

## E-4-3 Compensation for Trees/Plants and Crops

18. The project has also distributed compensation to 5 affected trees due to land acquisition for Bhuregaun substation and Pahalmanpur substations.

**Table E-5: Compensation Distribution Status for Affected Trees**

S.N.	Subproject Name	Impact on Land (No. of HHs)	Impact on Plant/Trees (No. of HHs)	Compensation Paid/Received HHs
1.	Bhuregaun Substation	3	3	3
2.	Pahalmanpur Substation	2	2	2
	<b>Subtotal</b>	<b>5</b>	<b>5</b>	<b>5</b>

## E-4-4 Underlying Issues Associated to Acquisition and Compensation Distribution

**Tamakoshi (New Khimti) - Kathmandu 220/400 kV TL (Permanent Acquisition for Towers and Restriction for RoW):** Contractor has submitted design report after completion of technical

survey. ESSD has recently mobilized safeguard team for providing social safeguard related support required to this subproject. The collection of cadastral maps and survey work is initiated is to assess impact on land from permanent acquisition and maintaining on restriction of RoW. It is expected that field based safeguard team shall facilitate and assist contractor for cadastral survey, community mobilization and consultation work.

#### **E-4-6 Ensuring IPs Identity, Human Right, Livelihood and Cultural Uniqueness**

19. Tamang, Lama and Magar are major indigenous people found in project districts. The temporary and permanent acquisition of land shall impact in their livelihood and income. Based on the findings of consultation with the affected households and socioeconomic data, acquisition of land with adequate compensation would be supportive for improving their living conditions and improvement livelihood. Acquisition of land of the IP in both sub-projects may not likely to create adverse impact or generate major issues related to identity, culture, social network, human rights and living standard of the affected indigenous households. They do not have any indigenous ancestral cultural and ritual sites to be relocated and no impact on cultural/ritual land, forest water sources, wild life and other natural resources which are related with the livelihood of the specific community. Discussion with the community also reveals that they have been sharing the same socioeconomic, political, and constitutional opportunities with the other groups and stand with almost similar lifestyle indicators. In fact, the indigenous people in the subproject area are different that the one as envisaged by SPS 2009 with distinct identity, living style, culture, and leadership distinct than other social beings. The IP in the project location are neither hunter nor pastoralist groups. They are not using their own distinct language for communication, and having completely independent culture and other traditional livelihood (like, fishing, hunting, collecting herbal plants).

20. The RP, in addition to compensation for the affected assets, has also provisioned vulnerable assistances to the affected indigenous households. The entitlement matrix has ensured livelihood enhancing and skill training to the significantly affected indigenous households aiming to support their livelihood improvement. When cadastral survey completes, social impact assessment (SIA) shall be carried out to understand extend of project impact to project affected families. The SIA also helps to understand the vulnerability status of affected person and need

assessment for livelihood restoration. The project will start distribution of vulnerable assistance and initiate livelihood restoration training third quarter of 2018.

## F. GRIEVANCE REDRESSAL MECHANISMS

21. The project has conceptualized three stages of grievances settlement process. The role of this mechanism to minimize the grievances, ease to solve the grievances, and facilitate the compensation distribution process. The LCF, is yet to be established and operationalized to address public grievances in a timely manner with amicable solution. Affected people could lodge their grievances, if any related to acquisition and compensation in project site office. During the reporting period, mainly two grievances were raised. One grievance is registered in Chief District Office (CDO) and another one raised by the affected people in consultation meeting. The detail of grievances and their concerns have been summarized as follows in **Table F-1**.

**Table F-1: Submitted Grievances and Status**

S.N.	Submitted Grievances	Action Taken and Status
<b>Barhabise Substation</b>		
1.	<b>Dissatisfaction to transmission line alignment on AP location 29, 30 and 48.1:</b> The people of above mentioned AP location are not satisfied from transmission line route. They have complaint to project to shift alignment to the extent possible. The land owner of AP location 48.1 has pasted and complaint on location in hording board.	<b>December 2017:</b> <ul style="list-style-type: none"> <li>NEA through the field-based safeguard team has initiated consultation with AP of the location.</li> <li>The project yet to initiate consultation with the land owner and settle the issue.</li> </ul>
2.	<b>Grievance of land owner of AP 1: Mr. Shyam Kumar Karki</b> including seven people have registered a complaint letter to Chief District Office, Ramechap for shifting AP location from their land because of the area is potential for future development	NEA has noticed that a complaint registered in CDO office and tried to persuade the land owner through consultation. The consultation with land owner and others is to accelerate for early settlement for this issue.

## **H. GAPS AND CORRECTIVE ACTION PLAN**

22. NEA has been working to strengthen the existing system of social/resettlement safeguard implementation in the changed context. The project through ESSD has mobilized dedicated safeguard team for Tamakoshi (New Khimti) - Kathmandu TL project to take up the safeguard activities. Similarly, formation of Local Consultative Forum (LCF) in coordination with VDC chairperson (Now ward chairperson) chair person is proposed to facilitate resettlement activities in field level. The chair moderates meeting and function as liaison between project and affected families. Apart from this the role of local community organizations/ for information dissemination, community consultation and access of project affected families in development activities of project.

## **I. RECORDS ON DISCLOSURE OF MONITORING INFORMATION**

23. The Project through the PMCO will disclose the semiannual report by uploading in the NEA website. The report will also be uploaded in ADB website.

## **J. MONITORING ADJUSTMENT MEASURES RECOMMENDED**

24. The monitoring requirements as agreed and included in the PAM will continue and no adjustment is required.

## **K. INSTITUTIONAL ADJUSTMENTS TO IMPLEMENT MONITORING PLAN**

25. As an approach of institutional adjustment to implement the social safeguards monitoring in ETESIP, NEA/Project has made an agreement with NEA/ESSD and is in the process of: (i) establishing Environment and Social unit under PMO and (ii) Formation of Local Consultative Forum (LCF) in each VDC supporting social safeguard assessment and implementation activities.

26. There will be a Social Safeguard Specialist (central level) for the overall support, monitor and report safeguard implementation related activities. Also, the field based safeguard personnel will be assigned.



## L. PROPOSED MAJOR ITEM OF FOCUS FOR NEXT REPORT

27. Next semiannual report will also be focused on completing the following activities summarized in **Table L-1**.

**Table L-1: Status on the Focus of Last Semi-Annual Period and Target for Next**

S.N	Description	Status
1	Establishment and operationalization of Safeguards Unit in the Project	<p><b>December 2017:</b> ESSD has mobilized field team to facilitate the Tamakoshi – Kathmandu transmission line project for implementation, monitoring safeguard activities. Recently, an agreement has been made between the project and ESSD for facilitate the Tamakoshi-Kathmandu project on assessing, implementing and monitoring safeguard activities.</p> <p><b>Target for Next:</b> The field based safeguard team will engaged meaningful consultation affected persons, made progress implementing livelihood restoration programs and other safeguard activities. ESSD will be strengthened with adequate skilled human resources and progress will be made on assessing and implementing safeguards.</p>
2	Appointment of Land Acquisition Officer to complete land acquisition for Tamakoshi – Barabise and Barabise - Kathmandu 400 kV transmission line	<p><b>December 2017:</b></p> <ul style="list-style-type: none"> <li>NEA has appointed Land Acquisition Officer for land acquisition process of both transmission line projects</li> </ul> <p><b>Target for Next</b> The Land Acquisition Officer with assistance of field based safeguard team shall issue notice for land acquisition of transmission line</p> <ul style="list-style-type: none"> <li>The census survey of affected households shall began for RP updating process</li> </ul>
3	Start of land acquisition for tower footings from Tamakoshi (New Khimti)-Kathmandu 220/400 kV Transmission Line with the involvement of ESSD right from the beginning in the process of determining site for tower footing, fixing alignment route and RoW for new 400 kV transmission line from Tamakoshi to Kathmandu	<p><b>August 2017</b></p> <ul style="list-style-type: none"> <li>Land acquisition for (i) tower footings from Tamakoshi (New Khimti)- Kathmandu 220/400 kV Transmission Line, and (ii) RoW for new 400 kV transmission line from Tamakoshi to Kathmandu will be confirmed with the involvement of ESSD right from the beginning also ensuring ESSD support in the process of determining site for tower footing, and fixing alignment route.</li> </ul> <p><b>Target for Next:</b></p>

		<ul style="list-style-type: none"> <li>The name of affected households, plots and size of land required for tower footing and size of land required for tower footing and maintain RoW shall be confirmed and land acquisition notice for 400 kV transmission and land to be restricted for RoW (400 kV) shall be issued</li> </ul>
4	Establishment of Local Consultative Forum ( LCF)	<p><b>December 2017</b></p> <p>The project has initiated formation of LCF in field level</p> <p><b>Target for Next</b></p> <p>Completed formation of LCF for both transmission line alignment for the facilitation of the implementation of resettlement works</p>

## **APPENDICES**

## Entitlement Matrix

Type of Losses	Definition of APs	Entitlement	Details
<b>1. Land</b>			
Loss of agricultural land	<p>Titled owners</p> <p>Affected persons (APs) with traditional land rights</p>	<p>Compensation based on market/replacement value</p> <p>Resettlement assistance</p> <p>Additional Assistance to vulnerable APs</p>	<p>In case of compulsory acquisition of land, compensation will be based on market value.</p> <p>The CDC the Land Acquisition Act will include VDC representative and representatives (one female and one male) as invitees in the Committee</p> <p>In case of land to be possessed by the project authority with mutual and voluntary consent of the affected people, compensation will be paid on estimated market price as decided by the CDC.</p> <p>Transaction costs (documentary stamps, registration costs, etc.) will be borne by the project authority during registration.</p> <p>If the residual plot(s) is (are) not viable, e.g., less than 0.5 <i>ropani</i><sup>7</sup> in rural areas, or 2.5 <i>ana</i> in urban area,, resettlement assistances will be paid in the form of transitional allowances or <i>cultivation disruption allowance</i> based on three months of minimum wage or one season's production on the area lost. The allowance will be paid at the time of compensation Payment</p>
	Individual tenant Sharecropper Leaseholder	Reimbursement for unexpired lease	<p>Additional allowances will be paid to vulnerable APs .</p> <p>Registered tenants are entitled for 50% of the compensation for their land under tenancy.</p> <p>Lease rates will be determined by the project authority with the help of revenue department and based on consultation with landowners</p>
Loss of residential /commercial land	<p>Titleholder</p> <p>APs with customary land rights</p>	<p>Compensation at replacement cost</p> <p>Additional Assistance to vulnerable APs</p>	<p>Cash compensation at replacement cost as determined by competent authority</p> <p>All fees, stamp duties, taxes and other charges, as applicable under the relevant laws, incurred in the relocation and rehabilitation process, are to be borne by the EA.</p> <p>Additional allowances will be paid to vulnerable APs</p>

7

One *ropani* equals 0.05 ha. *Ana* refers to one-sixteenth of a *ropani*.

Type of Losses	Definition of APs	Entitlement	Details
Loss of access to forestland	Affected household with forestland Access	Provision of alternative facilities and technical Assistance	Households losing access to forestland for their basic needs such as fuel, fodder, etc. will be provided access to alternative forest land. Communities will be involved in community social forestry schemes coordinated by the Department of Forests.
<b>2. Structures</b>			
Loss of residential and commercial structure	Titleholder APs having structure with customary land right Non titleholders	Compensation at replacement cost Shifting assistance Assistance	Replacement value of the structure and other assets (or part of the structure and other assets, if remainder is viable). Fees, taxes, and other charges related to replacement structure. Shifting assistance Right to salvage materials from structure and other assets with no deductions from replacement value. Additional compensation for vulnerable households.
Loss of rental Accommodation	Tenants	Rental Assistance Compensation at replacement cost Shifting assistance	Rental assistance for both residential & commercial tenants as per the prevalent rate in the form of grant to cover maximum three month rentals. Additional structures erected by tenants will also be compensated and deducted from owner's compensation amount. Shifting assistance based on type of house and household assets. Any advance deposited by the tenants will be refunded from owners total compensation package to the tenant on submission of documentary evidences. Right to salvage material from demolished structure and frontage etc. erected by tenants.
<b>3. Trees and Crops</b>			
Loss of Trees	Land holders Share- croppers Lease holders	Compensation at market value to be computed with assistance of horticulture Department	Advance notice to APs to harvest fruits and remove trees For fruit bearing trees compensation at average fruit production for next productive years to be computed at current market value For timber trees compensation at market cost based on type of trees

Type of Losses	Definition of APs	Entitlement	Details
Loss of Crops	Land holders Share- croppers Lease holders	Compensation at Market value to be computed with assistance of agriculture department	Advance notice to APs to harvest crops In case of standing crops, cash compensation at current market cost to be calculated of mature crops based on average production.
<b>4. Income and Livelihood</b>			
Loss of income and livelihood (affected business wage earnings, agricultural income, employees)	Legal titleholder/ tenant/leaseholder/non-titled/employee of commercial structure, farmer/agricultural worker	Assistance	Assistance for lost income based on three months minimum wage rates. Additional compensation for vulnerable households. Consideration for project employment.
<b>5. Government land and Property</b>			
Government Property (Loss of land)	Relevant Department	Lump sum compensation as per government rules	NEA may negotiate with Relevant Department on terms and conditions
<b>6. Community and Cultural Sites</b>			
Religious structures, Community structures, trust, etc.	Affected community	Conservation, protection and compensatory replacement (schools, health Centers, community centers, markets, shrines, other religious sites, places of worship, burial/cremation sites, rights to food, medicine and natural resources)	Impacts will be documented and mitigated. Cultural properties will be conserved through special measures such as relocation in consultation with the community.
<b>7. Temporary Loss</b>			
Temporary loss of land and temporary damage on loss of crops during construction	All APs losing land and crops on temporary basis during the construction period of the lines Farming households Sharecroppers Tenants Non-titled households	Notice to harvest standing Crops Compensation at market value for one season Restoration	Provision of rent for period of occupation for legal titleholders. Compensation for assets lost at replacement value. Restoration of land to previous or better quality. Additionally, cash compensation will be paid for the temporary damage of crop under the RoW during the maintenance and repair after the construction. In case there is a need for repair or maintenance of the transmission lines in the future, the project authorities

			would consult with land owners land owners for access to the land for maintenance and repairs, when necessary, and that the land owners would continue to use the land for farming activities.
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Type of Losses	Definition of APs	Entitlement	Details
<b>8. Vulnerable Households</b>			
Impacts on vulnerable APs	All impacts	Vulnerable APs	Additional assistance based on three months of minimum wage. Vulnerable households will be given priority in project construction employment.
<b>9. Unanticipated Impacts</b>			
Other Impacts Not Identified	Affected households or individuals	Compensation and assistance	Unforeseen impacts will be documented and mitigated based on the principles agreed upon in the resettlement framework.

<sup>1</sup> women-headed households, scheduled tribe households, below poverty line households, and households headed by physically handicapped or disabled persons



## **Appendix-2**

