

Internal Monitoring Report

Project Number: 46391-001

September 2017

**Loans 3161/8286-VIE: Ha Noi and Ho Chi Minh City
Power Grid Development Sector Project**

Internal Monitoring Report

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VIE: Ha Noi and Ho Chi Minh City Power Grid Development Sector Project

Prepared by the Hanoi Power Corporation (EVN HANOI) for the Asian Development Bank (ADB).

ACRONYMS AND ABBREVIATIONS

ADB	-	Asian Development Bank
AHs	-	affected households
APs	-	affected persons
CP	-	compensation plan
CPC	-	Commune People's Committee
DCC	-	District Compensation Committee
DDR	-	Due Diligence Report
DMS	-	detailed measurement survey
DPC	-	District Peoples Committee
EA	-	executing agency
GOV	-	Government of Viet Nam
IA	-	implementing agency
IOL	-	inventory of losses
km	-	kilometer
kV	-	kilovolt
LURC	-	land use right certificate
m ²	-	square meter
NPT	-	National Power Transmission Corporation
PIB	-	Public Information Brochure
PIC	-	Project Implementation Consultants
PPC	-	Provincial People's Committee
RCS	-	replacement cost study
ROW	-	right-of-way
RP	-	Resettlement plan
SES	-	socioeconomic survey
SPS	-	Safeguard Policy Statements
TA	-	technical assistance
TL	-	transmission line
VND	-	Vietnam Dong (Vietnamese Currency)

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I. General information of the project

1. Project objectives

1. The Project provides for a sector project under Asian Development Bank (ADB) fund to strengthen the capacity and reliability of the power infrastructure in Ha Noi and Ho Chi Minh City through the rehabilitation and development of the 220 kilovolt (kV) and 110 kV transmission system and associated substations to supply their medium voltage (MV) distribution system. The Project will also strengthen the institutional capacities of EVN Hanoi (EVNHANOI) and EVN Ho Chi Minh City (EVNHCMC), which are responsible for the power supply in their respective areas. Additionally, the project includes a smart grid component under Clean Technology Funding (CTF).

2. **Impact and Outcome.** The impact will be increased capacity and reliable supply of electricity to EVNHN and EVNHCMC customers contributing to Viet Nam's economic development. Its outcome will be increased capacity and reduced losses in the 220 kV and 110 kV networks for the two cities.

3. **Outputs.** The outputs of the project will be (i) four core substation and transmission line subprojects in Hanoi; (ii) four core substation and transmission line subprojects in Ho Chi Minh City; (iii) Distribution Automation System (DAS) Advanced Metering Infrastructure (AMI) and SCADA Upgrade CTF projects in Hanoi; (iv) DAS and Low Loss Conductor (LLC) CTF projects in Ho Chi Minh City; (v) up to 20 non-core substation and transmission line subprojects in Hanoi, and (vi) nine non-core substation and transmission line subprojects in Ho Chi Minh City.

2. Project components

4. The Project will be implemented as a sector loan. EVN Hanoi has proposed four core subprojects and 20 noncore subprojects (Table 1). The Project was prepared since 2013 with four (04) core subprojects. To date, the status of social safeguard document preparation for the Project is as follows:

Table 1. List of Subprojects and Status of Social Safeguard Document Preparation

No	Subproject	RP/DDR	Updated RP	Construction
1	Core subprojects			
1.1	New development of Noi Bai Airport 110kV Substation and associated 110 kV line	RP	Done	Operating
1.2	Rehabilitation of E1.7 Son Tay 110 kV Substation	Consolidated RP	DDR under preparing	Operating
1.3	Rehabilitation and upgrading of E12 Tran Hung Dao 110 kV Substation		DDR - Not yet	Not yet
1.4	Rehabilitation and upgrading of E13 Phuong Liet 110 kV Substation		DDR - Not yet	Not yet
2	None Core			
2.1	220 kV Chem-Tay Ho Transmission Line	RP	Done	Operating
2.2	110 kV Mo Lao SS and connection line	RP	DDR - done	Operating
2.3	110 kV Tay Ho Tay SS and connection line	N/A	N/A	
2.4	Increasing capacity of T2 transformer, rehabilitation of 110 kV bay- Tia substation	RP	Done	Not yet

	E10.4			
2.5	Installation of new transformer T3, E1.20 Thanh Xuan 110 kV SS	DDR	Not required	Operating
2.6	Expansion of E5 110 kV Thuong Dinh SS	DDR	Not required	Under construction
2.7	New development of 110 kV Phu Nghia SS and connecting line	RP	Done	Under construction
2.8	New development of 110 kV Ba Vi SS	RP	Not yet	Not yet
2.9	110 kV Tay Ho - Yen Phu Underground Cable Line (UGC)	DDR	Not required	Not yet
2.10	New development of 110 kV Phung Town SS and connecting line	N/A	N/A	Not yet
2.11	New development of 110 kV Ngoc Hoi SS and connecting line	N/A	N/A	Not yet
2.12	110 kV Thanh Cong – Thuong Dinh UGC	RP	Not required uRP as the RP was prepared based on DMS result	
2.13	110 kV transmission line from 500/220 kV Thuong Tin SS to Thanh Oai	RP	Done for Thanh Oai district section and Thuong Tin section is under preparation	Under construction
2.14	Connecting line to 220 kV Son Tay SS	RP	Done	
2.15	110 kV Transmission line from 500 kV Thuong Tin SS to E1.34 Quat Dong and E10.4 Tia substations	N/A	N/A	Not yet
2.16	New development of 110 kV Chuong My (1x40 MVA) SS and 110 kV Thanh Oai-Chuong My transmission line	N/A	N/A	Not yet
2.17	110 kV Bac An Khanh-Nam An Khanh Transmission line	N/A	N/A	Not yet
2.18	New development of 110 kV Sai Dong 2 (Industrial park Sai Dong) SS	N/A	N/A	Not yet
2.19	110 kV Connecting line to Sai Dong 2	N/A	N/A	Not yet
2.20	Upgrading of E10.7 Thach That 110 kV SS	N/A	N/A	Not yet

Source: Compiled from prepared DDRs and RPs by the Consultant.

3. Scope of project impacts

5. In accordance with the selection criteria of the Project, the selected subprojects for financing under the Project are classified as Category C or Category B in terms of social safeguards under ADB's Safeguards Policy Statement (SPS, 2009). As of now, the involuntary resettlement impacts have been identified and their respective social safeguards documents have been prepared for four (04) core subprojects and eleven (11) noncore subprojects (namely: Chem- Tay Ho TL, Mo Lao SS, Thanh Xuan SS; Thuong Dinh SS; Phu Nghia SS; Tia SS; Thuong Tin- Thanh Oai TL; Son Tay TL; Thanh Cong – Thuong Dinh UGC; Tay Ho-Yen Phu UGC, and New development of 110 kV Ba Vi SS. In which, the scope of impacts of each subproject are as follows:

Table 2. Number AHs in each subproject

Subproject	Total permanently affected area	Total of AH/organization	Impact on structure	Impact on crop (m2)	Impact on tree (tree)
Total	55,244.10	541.00	8.00	56,480.69	443.00
New development of 110kV Noi Bai Airport and 110kV line	10,812.70	176	1	0	55
Rehabilitation of 110kV Son Tay Substation E1.7	0	0	0	1000	0
Rehabilitation, upgrading of 110kV E12 Tran Hung Dao substation	0	0	0	0	0
Rehabilitation, upgrading of 110kV Phuong Liet Substation E13	0	0	0	0	0
220kV Chem - Tay Ho transmission line	1,182.50	49	0	0	0
SS Mo Lao and connecting line 110 kV	3,703	0	0	0	0
SS 110 kV Tay Ho Tay and connecting line 110 kV	N/A	N/A	N/A	N/A	N/A
Upgrading of transformer T2, renovation of 110 kV Tia - E10.4 SS	4,062	8	1	3,937	0
Installation of new transformer T3, 110 kV Thanh Xuan - E1.20 SS	775	1	0	0	0
Extension of Thuong Dinh - E5 SS	2,705.6	01	1	0	0
New development of 110 kV Phu Nghia SS and 110 kV connecting line	2,916	86	0	4,241.69	54
New development of 110 kV Ba Vi SS	12,175.3	79	0	9,054	219
UGC 110 kV Tay Ho - Yen Phu	0	0	0	0	0
New development of 110 kV Phung Town SS and connecting line	N/A	N/A	N/A	N/A	N/A
New development of 110 kV Ngoc Hoi SS and connecting line	N/A	N/A	N/A	N/A	N/A
UGC 110 kV Thanh Cong – Thuong Dinh	6,988.5	8	5	0	0
Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai	5,396	74	0	0	0
Connecting line to SS 220 kV Son Tay	4527.5	59	0	38,248	115
Transmission line 110 kV from SS 500 kV Thuong Tin to SS E1.34 Quat Dong and to SS E10.4 Tia	N/A	N/A	N/A	N/A	N/A
New development of 110 kV Chuong My (1x40 MVA) SS and transmission line 110 kV Thanh Oai - Chuong My	N/A	N/A	N/A	N/A	N/A
Transmission line 110 kV Bac An Khanh -	N/A	N/A	N/A	N/A	N/A

Nam An Khanh					
New development of 110 kV Sai Dong 2 SS (Industrial park Sai Dong)	N/A	N/A	N/A	N/A	N/A
Connecting line 110 kV to Sai Dong 2	N/A	N/A	N/A	N/A	N/A
Upgrading of 110 kV E10.7- Thach That SS	N/A	N/A	N/A	N/A	N/A

Source: Compiled from the DMS of CARB

6. Among the 24 subprojects, the safeguard documents of 9 subprojects have not been prepared yet; therefore, the data regarding their impacts are not available.

7. 15 subprojects, including four (04) core subprojects and eleven (11) noncore subprojects require permanent land acquisition of 55,244.1 m² of land, affecting 541 households.

Impacts on Land

Table 3. Impacts on Land

Subproject	Total acquired area	Temporary impact	Restricted land use	Permanently acquired land (m ²)	In which		
					Resident land	Agriculture land	Other land
Total	572,731.80	132,460.00	386,228.00	55,243.80	672.50	38,998.20	15,573.10
New development of 110kV Noi Bai Airport and 110kV line	30,812.70	5,100	14,900	10,812.70	0	10,598	215
Rehabilitation of 110kV Son Tay Substation E1.7	0	1200	0	0	0	0	0
Rehabilitation and upgrading of 110kV E12 Tran Hung Dao ss	0	0	0	0	0	0	0
Rehabilitation and upgrading of 110kV Phuong Liet Substation E13	0	0	0	0	0	0	0
220kV Chem- Tay Ho transmission line	17,582.5	9,900	6,500	1,182.50	0	1,182.5	0
SS Mo Lao and connecting line 110 kV	3,706	0	0	3,703	0	0	3,703
SS 110 kV Tay Ho Tay and connecting line 110 kV	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Upgrading of transformer T2, renovation of SS 110 kV Tia - E10.4	4,062	0	0	4,062	125	3,937	0
Installation of new transformer T3, SS 110 kV Thanh Xuan - E1.20	775	0	0	775	0	0	775
Extension of SS Thuong Dinh - E5	2,705.6	0	0	2,705.6	0	0	2,705.6
New development of SS 110 kV Phu Nghia and CL 110 kV	46,916	15,900	28,100	2,916	0	2,916	0
New development of SS 110 kV Ba Vi	262,090.2	16,250	233,665.2	12,175.3	0	10,886	1289

UGC 110 kV Tay Ho - Yen Phu	0	0	0	0	0	0	0
New development of SS 110 kV Phung town and connecting line	N/A	N/A	N/A	N/A	N/A	N/A	N/A
New development of SS 110 kV Ngoc Hoi and connecting line	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UGC 110 kV Thanh Cong - Thuong Dinh	6,988.5	0	0	6,988.5	103	0	6885.5
Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai	45,836	15,300	25,140	5,396	0	5,396	0
Connecting line to SS 220 kV Son Tay	151,257	68,810	77,919.8	4,527.5	444.5	4,082.7	0
Transmission line 110 kV from SS 500 kV Thuong Tin to SS E1.34 Quat Dong and to SS E10.4 Tia	N/A	N/A	N/A	N/A	N/A	N/A	N/A
New development of SS 110 kV Chuong My (1x40 MVA) and transmission line 110 kV Thanh Oai - Chuong My	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Transmission line 110 kV Bac An Khanh - Nam An Khanh	N/A	N/A	N/A	N/A	N/A	N/A	N/A
New development of SS 110 kV Sai Dong 2 (Industrial park Sai Dong)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Connecting line 110 kV to Sai Dong 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Upgrading of SS 110 kV E10.7- Thach That	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Source: Compiled from the DMS of CARB

The specific impacts caused by each subproject are described in the section below.

Core Projects

1. 110kV Noi Bai Airport SS and 110kV connection line subproject.

8. The new 110 kV Noi Bai Substation is located in Phu Cuong Commune of Soc Son District, Ha Noi City. The construction of the new 110kV Noi Bai substation and transmission line requires land acquisition of 10,812.7m² belonged to 176 households. The acquired agricultural land area is 10,598m², accounting for 98% of the total permanently acquired area of the subproject whereas the remaining area is for aquaculture purpose, making up 2%. The temporarily acquired area is 5,100 m² for material gathering during construction period and 14,900 m² of land are within the right-of-way (ROW), which can still be used to grow low-lying crops by affected households.

2. 110kV Son Tay E1.7 SS subproject.

9. The Son Tay Substation is located in Xuan Khanh Ward in Son Tay Town in a peri-urban area of Ha Noi. This subproject will be carried out within the boundary of the existing 110kV Son Tay substation, and thus does not cause any additional social safeguard impacts. The construction of the substation will not require any acquisition but borrow 1,200 m² of land for workers' camp. The rental for temporary land acquisition has been paid to serve construction activities for the period from May 2016 to May 2017.

3. *110kV E12 Tran Hung Dao SS subproject.*

10. The existing Tran Hung Dao 110/22/10 kV 2x63 MVA substation is located in Phan Chu Trinh Ward, Hoan Kiem District. This subproject will be carried out within the boundary of the 110kV Tran Hung Dao substation, and thus does not cause any additional social safeguard impacts. The construction of the substation will not require any acquisition.

4. *110kV Phuong Liet E13 SS subproject.*

11. The existing Phuong Liet Substation is located in the densely populated area of Phuong Mai Ward, Dong Da District. This subproject will be carried out within the boundary of the existing 110kV Phuong Liet substation, and thus does not cause any additional social safeguard impacts. The construction of the substation will not require any acquisition.

Noncore Projects

5. *220 kV Chem - Tay Ho TL subproject.*

12. The construction of the 220 kV Transmission line from 220kV Chem substation to 220kV Tay Ho substation requires land acquisition of 1,182.5m² belonged to 49 households. All of which is agricultural land. None of structure or shop is affected by the subproject.

13. A total of 9,900 m² of land are affected temporarily due to land acquisition during construction period to serve the construction of new tower foundations and displacement of the existing towers. All of the temporarily affected area is annual crop land. No residential land is affected. The temporarily affected land is restored and returned immediately after the construction is completed. People can still use the area under the ROW to plant crops; houses are allowed to exist within the ROW in accordance with the ROW safety regulations. However, it is limited to plant trees exceeding 4 meters in height that can affect the safety of the power grid in accordance with Decree 14/2014/ND-CP.

14. All of the permanently and temporarily acquired land is agricultural land being used to grow peach tree, pot plants and vegetables. There is no severely affected household, vulnerable household as well as household who might be worsened off due to the project impacts.

6. *Upgrading of transformer T2, renovation of 110 kV Tia - E10.4 SS subproject.*

15. The expansion of 110 kV Tia substation permanently acquires land area of 4,062m² including 125m² belonged to two (02) households (making up of eight people) and 3,937 m² of public land under the management of To Hieu CPC.

16. Of the total area of public land under the CPC's management, 3,446.82 m² are agricultural land leased for two (02) households for aquaculture purpose and 489.6 m² of non-agricultural land. The extension and upgrading of the second transformer is constructed within the area of the existing substation. Thus, there is no impact on houses of people, no temporarily acquired land during construction process and no household has to relocate.

7. *110kV Mo Lao SS and 110 kV connection line subproject.*

17. The construction of the new Mo Lao SS will be carried out on the already-acquired area within the 3,703 m² Mo Lao Urban Area of Mo Lao Urban Area Management Board, thus does not cause any additional social safeguard impacts. This connection line is UGC, thus no impact within ROW

8. *Installation of new transformer T3, 110 kV Thanh Xuan substation- E1.20 subproject.*

18. The Third Transformer Bank at 110 kV Thanh Xuan Substation (SS) is installed based on the expansion of the existing 110 kV Thanh Xuan SS to the Southwest. The existing 110 kV Thanh Xuan SS is located at Me Tri Ward, South Tu Liem District, Hanoi City. Expansion of 110kV Thanh Xuan substations acquires 775 m² land within area which is under the management of Hanoi City People's Committee (City PC) and thus no safeguard issue is expected. The project does not cause any permanent land acquisition and economic impacts to any households. There will be some minor temporary impacts during construction due to the access road.

9. 110 kV Phu Nghia SS and 110 kV connection line subproject.

19. The construction of the new 110kV Phu Nghia SS will be carried out on the already-acquired area within the 2,916m² industrial park area in Phu Nghia industrial park, Chuong My district, and thus does not cause any additional social safeguard impacts. The construction of the substation will acquire 2,916m² under the management of Phu Nghia industrial park Management Board.

20. Of the three components of the Subproject, the construction of the new 110 kV Phu Nghia SS and the installation of two new bays at the existing 220 kV Xuan Mai SS will not involve land acquisition. Hence, only the 110 kV Phu Nghia- Xuan Mai connection requires permanent land acquisition for the tower foundations. In addition, the other types of land impact caused by the connection TL is associated with the safety restrictions imposed on the continued use of land inside the ROW of the connection line and temporary impacts on land due to construction activities. Of the total 46,916 m² of land affected by the 110 kV Phu Nghia-Xuan Mai connection line, 2,916 m² are permanently acquired, while 28,100 m² are subject to safety restrictions and 15,900 m² will be affected temporarily during the construction process. Temporarily affected land comprises (i) agricultural land area surrounding the tower foundations and area for access road to the foundations; (ii) in addition, some area will be temporarily affected for gathering construction materials.

10. 110 kV Tay Ho-Yen Phu Underground Cable Line subproject.

21. The 110 kV cable line has a total length of 6,102.79m, all of which are underground. As the cable line is arranged inside the underground technical boxes which are already existing or will be built beneath the roads, the construction of the 110 kV Tay Ho-Yen Phu underground cable line will not cause any land acquisition or social safeguard impact.

11. 110 kV TL from 500/220 kV Thuong Tin SS to Thanh Oai subproject.

22. The total acquired land area for the subproject is 45,836 m², including 5,396 m² agricultural land owned by 74 households. There is no impact on houses and structures of AHs, thus no household has to relocate. The project only causes impacts on crops. The total area of temporarily affected agricultural land is 15,300 m², all of which are annual crop land. This type of land will be restored immediately after construction. In addition, there is around 25,140 m² within the ROW owned by 615 households which will be affected by restrictions on land use. For this area, people can still use to plant crops; houses are allowed to exist within the ROW in accordance with the ROW safety regulations (Decree No. 14/2014/ND-CP dated 26th February 2014). However, if trees affect the electricity safety, they will be cut down and some types of trees are only allowed when their branches are trimmed and height is limited. 8 households are severely affected as they will lose from 10% to 30% of their productive landholdings. The survey reveals that there are neither vulnerable households affected by the subproject nor those who might be poorer under the subproject's impacts.

12. Connecting line to SS 220 kV Son Tay subproject.

23. The subproject is built in order to supply power for the entire Son Tay town, industrial zones along Lang-Hoa Lac road, Ba Vi, Thach That, Phu Tho, Hoai Duc districts, and a part of Xuan Mai Township in addition to supports for Phu Tho Province. The subproject consists of five (05) components, of which two (02) components are new constructions that require land acquisition whereas three (03) components are rehabilitation works that will cause temporary impacts during construction period. The total affected land area is 151,257m², comprising 4,527.2 m² of permanently acquired land, 77,919.8m² of restricted land within ROW, and 68,810 m² of temporarily due to construction activities.

13. Extension of E5 Thuong Dinh SS subproject.

24. 110 kV Thuong Dinh Substation (SS) E1.5 is the existing SS located at Alley 282 Khuong Dinh Road, Thanh Xuan District, Hanoi. The 2,705.6 m² of land for the expansion of 110 kV Thuong Dinh SS is within the boundary of Thuong Dinh Warehouse under the management of the National Power Transmission Corporation (EVNNPT). The expansion of 110 kV Thuong Dinh SS will cause impacts on a tennis court and a grade IV warehouse of EVNNPT. The Project does not cause any physical or economic impacts on any households.

14. New development 110kV Ba Vi SS subproject.

25. 110kV Ba Vi Substation impacts to 262,090.2 m² of land affected by the subproject, 12,175.3 m² are permanently acquired in which 9,054 m² of the permanently acquired land are used for growing rice and other seasonal crops; 1,832 m² are grown to perennial crops; and 1,289 m² are public land under the management of CPCs. 233,665.2 m² are within the right-of-way and 16,250 m² will be temporarily affected during the construction process.

15. UGC 110 kV Thanh Cong – ThuongDinh subproject.

26. Total land area permanently acquired to construct the subproject is 6,988.5 m² which includes 6,831 m² of traffic land, 103 m² of residential land and 54.5 m² of public land under public land fund managed by Trung Liet Ward's PC.

4. Objectives of internal monitoring

The general objectives for internal monitoring are to ensure:

- (i) The implementation of land acquisition and resettlement of project is in compliance with the approved Resettlement Plans;
- (ii) The availability of resources and the efficient, effective use of these resources to implement land acquisition and resettlement activities;
- (iii) That resettlement institutions are well-functioning during the course of project implementation;
- (iv) Resettlement activities are undertaken in accordance with the implementation schedule described in the RPs;
- (v) To identify problems, if any, remedial actions and solutions.

II. Detailed resettlement implementation progress

1. Public information disclosure and consultation

27. Project information disclosure is an important task during project implementation. When this work is implemented effectively, it will facilitate project implementation process as local people will have comprehensive understanding of project information and benefits. Therefore, they will support and actively participate in the project. Project information disclosure and public consultation are aimed to: (i) increase local people's awareness of the project; (ii) avoid the risks of project delay; (iii) design an appropriate resettlement program for APs and maximize the project's socio-economic benefits; (iv) ensure that AP's can really participate in making decisions on issues directly concerning their income and living standards; and (v) ensure transparency of all activities related to land acquisition, resettlement, and living restoration.

28. Public consultations have been conducted during the preparation process for four (04) core projects and 11 noncore projects by the Project Preparation Consultant. In the implementation phase, public consultation before the DMS have been conducted with 49 affected households by the 220 kV Chem-Tay Ho in Tay Ho, Bac Tu Liem district; eight (08) affected households by the 110 kV Tia SS in To Hieu commune; 86 affected households by the 110 kV Phu Nghia SS and transmission line; 74 households by the 110kV Transmission line from 500/220kV Thuong Tin SS to 110kV Thanh Oai SS and 26 households by the Connecting line to SS 220 kV Son Tay. For the remaining subprojects, including (i) 110 kV Mo Lao SS and connecting line; (ii) Installation of new 110 kV T3 transformer, Thanh Xuan SS, (iii) Extension of E5 Thuong Dinh SS, and (iv) 110 kV Tay Ho-Yen Phu UGC, public consultation prior to DMS is not required as these subprojects do not involve land acquisition of any household.

29. Information disclosure. RPs and DDRs in English have been posted on the ADB website and the summary documents in Vietnamese have been disclosed to the affected households in 2014 for four (04) core subprojects, by April 2015 for the expansion of Thuong Dinh SS, by the end of June 2016 for the 110 kV Phu Nghia SS and transmission line and the 110kV Transmission line from 500/220kV Thuong Tin SS to 110kV Thanh Oai SS, by July 2016 for Tay Ho-Yen Phu UGC, and by September 2016 for upgrading of transformer T2, renovation of 110 kV Tia - E10.4 SS; and by August 2016 for UGC Thanh Cong – Thuong Dinh subproject.

30. RPs and policy framework documents have also been distributed by the HANOI DPMB to the District Compensation Committees (DCCs) of Thuong Tin District, Chuong My District, Quoc Oai District, Son Tay town, Ba Vi District and Dong Da district as the basis for calculating the entitlements of the affected households.

Table 4. Consultation, Participation, and Information Disclosure by Subprojects

Subproject	Participation, Consultation, Information disclosure in preparation phase			Participation, Consultation in implementation phase	
	Public consultation	Distribution PIB	On ADB web	Distribution RP to DCC	Meeting
New building 110kV Noi Bai Airport and 110kV line	Done	Done	Done	Done	Done
Rehabilitate 110kV Son Tay Substation E1.7	Done	Done	Done	Done	Not required
Rehabilitate, upgrade 110kV E12 Tran Hung Dao substation	Done	Done	Done	Done	Not required
Rehabilitate, upgrade 110kV Phuong Liet Substation E13	Done	Done	Done	Done	Not required
220kV Chem-Tay Ho transmission line	Done	Done	Done	Done	Done
SS Mo Lao and connecting line 110 kV	Done	Done	Done	Done	Not required
SS 110 kV Tay Ho Tay and connecting line 110 kV					
Upgrade transfo T2, renovate SS 110 kV Tia - E10.4	Done	Done	Done	Done	Not yet due
Add new transfo T3, SS 110 kV Thanh Xuan - E1.20	Done	Done	Done	Done	Not required
Extend SS Thuong Dinh - E5	Done	Done	Done	Done	Not required
New SS 110 kV Phu Nghia and connecting line 110 kV	Done	Done	Done	Done	Done
New SS 110 kV Ba Vi	Done	Done	Done	Done	Not yet due
UGC 110 kV Tay Ho - Yen Phu	Done	Done	Done	Done	Done
New SS 110 kV Thi Tran Phung and connecting line					
New SS 110 kV Ngoc Hoi and connecting line					
UGC 110 kV Thanh Cong - ThuongDinh	Done	Done	Done	Done	Done
Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai	Done	Done	Done	Done	Done
Connecting line to SS 220 kV Son Tay	Done	Done	Done	Done	Not yet due
Transmission line 110 kV from SS 500 kV Thuong Tin to SS E1.34 Quat Dong and to SS E10.4 Tia					
New SS 110 kV Chuong My (1x40 MVA) and transmission line 110 kV Thanh Oai - Chuong My					
Transmission line 110 kV Bac An Khanh - Nam An Khanh					
New SS 110 kV Sai Dong 2 (Industrial park Sai Dong)					
Connecting line 110 kV to Sai Dong 2					

Upgrade SS 110 kV E10.7- Thach That					
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2. DMS process

31. Among 15 subprojects of which social safeguard documents have been approved:

- a. Seven (07) subprojects including (i) 110 kV Mo Lao SS; (ii) Installation of new 110kV T3 transformer Thanh Xuan SS, (iii) Rehabilitation of 110kV Son Tay Substation E1.7, (iv) Rehabilitation and upgrading of 110kV E12 Tran Hung Dao substation, (v) Rehabilitation and upgrading of 110kV Phuong Liet Substation E13, (vi) Extension of SS Thuong Dinh - E5, and (vii) 110 kV Thanh Cong-Thuong Dinh UGC, DMS activities are not required.
- b. Remaining eight (08) subprojects require DMS, namely (i) 220 kV Chem- Tay Ho TL; (ii) New 110kV Noi Bai SS, (iii) New SS 110 kV Phu Nghia and connecting line 110 kV, (iv) Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai, (v) Connection line to SS 220 kV Son Tay; (vi) Rehabilitation of 110 kV Tia SS; (vii) New development 110kV Ba Vi ss and (viii) UGC Thanh Cong – Thuong Dinh.

Table 5. DMS Status of the Subprojects

Subproject	DMS was completed by the end of 2014	DMS was completed by the end of 2015	DMS was completed by the time of reporting	DMS not yet conducted
New building 110kV Noi Bai Airport and 110kV line	Done	-	-	-
Rehabilitate 110kV Son Tay Substation E1.7	Not yet due	Not yet due	Not required	Not required
Rehabilitate, upgrade 110kV E12 Tran Hung Dao substation	Not required	Not required	Not required	Not required
Rehabilitate, upgrade 110kV Phuong Liet Substation E13	Not required	Not required	Not required	Not required
220kV Chem- Tay Ho transmission line	Done	-	-	-
SS Mo Lao and connecting line 110 kV	Not required	Not required	Not required	Not required
SS 110 kV Tay Ho Tay and connecting line 110 kV				
Upgrade transfo T2, renovate SS 110 kV Tia - E10.4	-	-	Done	-
Add new transfo T3, SS 110 kV Thanh Xuan - E1.20	Not required	Not required	Not required	Not required
Extend SS Thuong Dinh - E5	Not required	Not required	Not required	Not required
New SS 110 kV Phu Nghia and connecting line 110 kV	-	-	Done	-
New SS 110 kV Ba Vi			Not yet	
UGC 110 kV Tay Ho - Yen Phu	Not required	Not required	Not required	Not required
New SS 110 kV Thi Tran Phung and connecting line				
New SS 110 kV Ngoc Hoi and connecting line				

UGC 110 kV Thanh Cong – Thuong Dinh	Not yet	Not yet	Done	
Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai	-	-	Done	
Connecting line to SS 220 kV Son Tay	Not yet due	Not yet due	Done	
Transmission line 110 kV from SS 500 kV Thuong Tin to SS E1.34 Quat Dong and to SS E10.4 Tia				
New SS 110 kV Chuong My (1x40 MVA) and transmission line 110 kV Thanh Oai - Chuong My				
Transmission line 110 kV Bac An Khanh - Nam An Khanh				
New SS 110 kV Sai Dong 2 (Industrial park Sai Dong)				
Connecting line 110 kV to Sai Dong 2				
Upgrade SS 110 kV E10.7- Thach That				

32. To date, the DMS progress of the subprojects are as follows:

New construction of 110kV Noi Bai Airport and 110kV line

33. The DMS was completed in June 2016. Subproject is operating.

Rehabilitation of 110kV Son Tay Substation E1.7

34. The Son Tay Substation will not require any acquisition so DMS activities is not required.

Rehabilitation and upgrading of 110kV E12 Tran Hung Dao substation

35. The Tran Hung Dao Substation will not require any acquisition so DMS activities is not required.

Rehabilitation and upgrading of 110kV Phuong Liet Substation E13

36. The Phuong Liet Substation will not require any acquisition so DMS activities is not required.

220kV Chem - Tay Ho Transmission line

37. The DMS was completed in December 2014. Subproject is operating

110 kV Tay Ho-Yen Phu UGC

38. The 110 kV Tay Ho-Yen Phu UGC will not require any acquisition so DMS activities is not required.

Upgrade transformer T2, renovate SS 110 kV Tia - E10.4

39. Thuong Tin DCC has completed the DMS activities in To Hieu Commune. The DMS was carried out with the participation of the representatives of all affected households as well as the representatives of Thuong Tin District People's Committee (DPC). The DMS was completed in June 2016.

New construction of 110kV Mo Lao substation and connecting line 110 kV

40. The subproject does not cause land acquisition impacts and thus DMS is not required. On 28th December 2015, the Mo Lao Urban Area Management Board has handed over site for the construction of 110 kV Mo Lao SS and connection line.

Installation of new transformer T3, 110 kV Thanh Xuan substation- E1.20

41. The subproject does not cause land acquisition impacts and thus DMS is not required. On 28th December 2015, Hanoi CityPC has handed over site for the construction of 110 kV Thanh Xuan SS.

New construction of SS 110 kV Phu Nghia and connecting line 110 kV

42. As of now, Chuong My and Quoc Oai District Land Development Fund Branches (CLDFs) have completed the DMS activities. The DMS was carried out with the participation of the representatives of all affected households as well as the representatives of Chuong My and Quoc Oai District People's Committee (DPCs). The DMS was completed in June 2016.

Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai

43. As of now, the DMS was carried out by Thanh Oai DCC with the participation of the representative of all affected households. Meanwhile, for Thuong Tin District, Thuong Tin Land Fund Development Branches has not started DMS activities.

Connecting line to SS 220 kV Son Tay

44. Son Tay DCC has completed DMS activities at Xuan Son and Thanh My communes by March 2017.

New development 110kV Ba Vi ss

45. DMS activities have not been conducted for this subproject.

UGC Thanh Cong – Thuong Dinh

46. DMS has been finished for this subproject by Dong Da district CARB by March 2016.

3. Preparation and approval of compensation plans

47. The preparation of the compensation plans is only carried out when the decision approving the unit prices of Hanoi City PC is issued.

48. To date, six (06) subprojects have completed the DMS activities; and the compensation plans also approved by Hanoi City PC. Details by subprojects are as follows:

- During the reporting period, the compensation payment of two (02) subprojects have been completed since 2015, which are Noi Bai SS and Chem-Tay Ho TL subprojects.
- Decisions on compensation plans are as follows:

New construction of 110kV Noi Bai Airport and 110kV line

49. Based on the Decision No. 1081/QD-EVN HANOI dated 2nd April 2012 of Ha Noi PC on approving the FS for the subproject, HANOI DPMB has submitted the Document No. 1103/HANOI DPMB-X9.7 dated July 2, 2013 to the Ha Noi DONRE and Me Linh DPC to request for approving the compensation plan of New construction of 110kV Noi Bai airport and 110kV line subproject. In

November, the Me Linh DPC has issued an official document approving the compensation and assistance plan proposed by HANOI DPMB and requesting the DPC and DCC to post the specific land prices publicly for the subproject and consult the affected people's opinions.

50. On May 27, 2014, the DCC of the subproject has issued the compensation, assistance and resettlement plan upon recovery by the state for the implementation of 110kV Noi Bai Airport and 110kV line subproject. Accordingly, the compensation plan was prepared for 176 households, in which the total compensation and assistance amount (supports for training, job changing and job seeking) for the affected area of 10,812.7 m² of agricultural land is VND 8,446,102,674.

51. After the compensation plan is posted, the affected people have expressed their agreement with the compensation plan and thus signed the consultation minutes. To date, all the AHs have received the compensation, assistance and resettlement payment for the subproject.

220kV Chem - Tay Ho Transmission line

52. As for the 220kV Chem - Tay Ho Transmission Line Subproject, the subproject has come into operation. The compensation, assistance and resettlement costs is VND 1,086,397,501 covered by two decisions, namely Decision No 5423/QD-UBND approving compensation, assistance and resettlement plan dated 21st June, 2014 signed by Tay Ho DPC; together with Decision No 5469/QD-UBND approving compensation, assistance and resettlement plan dated 29 October, 2014 signed by Bac Tu Liem DPC.

Upgrading of transformer T2, renovation of SS 110 kV Tia - E10.4

53. Regarding Tia SS Subproject, To Hieu CPC has submitted the Document No. 49/TTr-UBND dated October 23, 2015 to the Ha Noi DONRE and Thuong Tin DPC for approving land acquisition plan.

54. In December 2015, the Ha Noi DPMB has issued an official document No. 1612 HANOI DPMB KTGS approving the compensation and assistance with the estimated cost proposed by Ha Noi DPMB and requesting the Thuong Tin District Land Development Branch to pay the compensation to the AHs, the budget will be allocated by Hanoi DPMB.

55. On December 31, 2015, Thuong Tin DPC has issued the official decision No. 781/TB-UBND requesting Thuong Tin District Land development land fund Branch and To Hieu CPC to conduct the DMS. After that, Thuong Tin DPC has issued the document No 183/KH-UBND on disclosure of the compensation plan, in which To Hieu DPC and Thuong Tin district's Land development Branch calculated the compensation plan and then posted at the public places for opinions of the affected people.

56. After the compensation plan was posted, the APs have expressed their agreement with the compensation plan and thus signed the consultation minutes. To date, LFDC has completed the compensation payment to the AHs by inviting them to their office to get the compensation, assistance and resettlement cost for subproject via the Document No. 13/TB-HĐBT dated July 8, 2016.

New SS 110 kV Phu Nghia and connecting line 110 kV

57. As of now, HANOI DPMB has signed the contract with Ha Noi Land Development Centre and with Thuong Tin District Land Development Branch via two contracts namely 16/GPMB on March 11 2016 and 02/GPMB on May 17 2016, respectively, requesting them to prepare the compensation plans and post at public places for APs' opinions.

58. After the compensation plan was posted, the APs have expressed their agreement with the compensation plan and thus signed the consultation minutes.

59. To date, Ha Noi Land Development Centre and with Thuong Tin District's Land Development Branch completed the compensation payment to the AHs by inviting them to their office to get the compensation.

Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai

60. Based on the Decision No. 110/QHKT-P7 dated 8th January 2016 of Ha Noi Department of Planning and Architecture for approving the red boundary drawing of subproject Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai;

61. Pursuant to the announcement No.126/TB-UBND of Thanh Oai DPC dated July 26th, 2016, on September 2016, the Thanh Oai DCAR has conducted the DMS at Thanh Oai District with the participation the representative of affected households in Thanh Thuy, Thanh Van, Tam Hung, Kim Bai commune.

62. After that, the compensation, assistance and resettlement plan upon recovery by the state for the implementation of Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai subproject was posted publish at Thanh Thuy, Thanh Van, Tam Hung and Kim Bai communes. Accordingly, the compensation plan was prepared for 74 households, in which the total compensation and assistance amount (supports for training, job changing and job seeking) for the affected area of 3,138.00 m² of agricultural land is VND 2,787,623,500.

63. After the compensation plan is posted, the affected people have expressed their agreement with the compensation plan and thus signed the consultation minutes. To date, all the AHs have received the compensation, assistance and resettlement payment for the subproject at Thanh Oai district.

Connection line to SS 220 kV Son Tay

64. Pursuant No.1964/QD-UBND dated 20th December 2016 of Son Tay DPC for approving the compensation, assistance and resettlement plan upon recovery by the state for the implementation of Connecting line to SS 220 kV Son Tay subproject phase 1, the compensation plan was approved for phase 2 in January 2017.

4. Process of Compensation Payment

New construction of 110kV Noi Bai Airport and 110kV line

65. The compensation payment was completed in 2015. Compensation payment has been done for 176 households with the total compensation and assistance amount of **VND 8,446,102,674**. To date, all of the AHs have fully received compensation and assistance.

220kV Chem - Tay Ho Transmission line

66. The compensation payment was completed in 2015 for 49 households with the total compensation and assistance amount of **VND 1,086,397,501**.

Upgrading of transformer T2, renovation of SS 110 kV Tia - E10.4

67. To date, compensation to AHs has been carried out since June, 2016 by DCC. Total compensation costs are **VND 696,355,565** as listed in the Annex –form 5, The compensation and assistance payment

was conducted in one instalment with the presence of the affected households, representatives of To Hieu CPC and HANOI DPMB,

New SS 110 kV Phu Nghia and connecting line 110 kV

68. To date, Ha Noi Land Development Centre and Quoc Oai district's Land Development Branch completed the compensation payment to the 86 AHs in Quoc Oai and Chuong My districts. Total compensation costs are VND 3,142,073,300.

Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai

69. To present, Thanh Oai DPC distributed the compensation payment to the 49 AHs in Thanh Oai district with total costs of VND 2,787,158,500 while The progress is expected to be conducted in Thuong Tin District by the end of August 2017 with the amount of VND 4,275,388.795 for 25 AHs.

Connecting line to SS 220 kV Son Tay

70. Son Tay DCC had paid a total VND 2,114,994.560 of compensation and assistance to the AHs.

71. The compensation payment status and total amount delivered to the AHs by subproject are summarized in the Table below.

Table 6. Status of Compensation Payment and Compensation Amount

Nr	Civil works Packages/components/subprojects	Compensation Costs ('000 VND)		Total paid ('000 VND)		Status of compensation payment	
		Approve d mount	Actual amount	Paid to date	To be paid	# of AHs received compens ation	# of AHs refuse compens ation
1	New building 110kV Noi Bai Airport and 110kV line	8,446,10 2,674	8,446,10 2,674	8,446,10 2,674	0	176	0
2	Rehabilitate 110kV Son Tay Substation E1.7	0	0	0	0	0	0
3	Rehabilitate, upgrade 110kV E12 Tran Hung Dao substation	0	0	0	0	0	0
4	Rehabilitate, upgrade 110kV Phuong Liet Substation E13	0	0	0	0	0	0
5	220kV Chem- Tay Ho transmission line	1,086,39 7,501	1,086,39 7,501	1,086,39 7,501	0	49	0
6	SS Mo Lao and connecting line 110 kV	0	0	0	0	0	0
7	SS 110 kV Tay Ho Tay and connecting line 110 kV						
8	Upgrade transfo T2, renovate SS 110 kV Tia - E10.4	696,355, 565	696,355, 565	0	696,355, 565	2	0
9	Add new transfo T3, SS 110 kV Thanh Xuan - E1.20	0	0	0	0	0	0
10	Extend SS Thuong Dinh - E5	0	0		0	0	0
11	New SS 110 kV Phu Nghia and connecting line 110 kV	3,300,00 0,000	3,142,07 3,300	3,142,07 3,300	0	86	0

12	New SS 110 kV Ba Vi						
13	UGC 110 kV Tay Ho - Yen Phu	0	0	0	0	0	0
14	New SS 110 kV Thi Tran Phung and connecting line						
15	New SS 110 kV Ngoc Hoi and connecting line						
16	UGC 110 kV Thanh Cong – Thuong Dinh						
17	Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai	7,062,54 7,295	7,062,54 7,295	2,787,15 8,500	4,275,38 8,795	49	0
18	Connecting line to SS 220 kV Son Tay	2,114,99 4,560	2,114,99 4,560	2,114,99 4,560		33	0
19	Transmission line 110 kV from SS 500 kV Thuong Tin to SS E1.34 Quat Dong and to SS E10.4 Tia						
20	New SS 110 kV Chuong My (1x40 MVA) and transmission line 110 kV Thanh Oai - Chuong My						
21	Transmission line 110 kV Bac An Khanh - Nam An Khanh						
22	New SS 110 kV Sai Dong 2 (Industrial park Sai Dong)						
23	Connecting line 110 kV to Sai Dong 2						
24	Upgrade SS 110 kV E10.7- Thach That						
	Total	20,591,4 03,035	20,433,4 76,335	15,461,7 31,975	4,971,74 4,360	362	0

5. Process of resettlement and site clearance

72. Resettlement and site clearance have been done for five (05) subprojects, namely Noi Bai SS, 110 kV Son Tay E 1.7 SS, 110 kV Tran Hung Dao SS, 110 kV Phuong Liet SS, 220 kV Chem-Tay Ho TL, and 110 kV Mo Lao SS. Among which, the Noi Bai Airport SS and 220 kV Chem-Tay Ho TL subprojects have come into operation whereas the remaining subprojects are rehabilitated and upgraded within their existing substation boundary. Regarding Thuong Tin-Thanh Oai TL and Phu Nghia SS subprojects are under construction; site clearance activities of these subprojects conducted right after each construction pot completed. In term of Connecting line to SS 220 kV Son Tay, DMS activities are ongoing, so resettlement and site clearance activities of this subprojects have not been carried out.

6. Restoration of AHs' livelihoods and rehabilitation of AHs' lives

73. Implementation is yet to be carried out.

7. Assess degree of APs' satisfaction of compensation and resettlement

74. Implementation is yet to be carried out.

8. Conformity of resettlement implementation progress with civil works progress and next plan

New construction of 110kV Noi Bai Airport and 110kV line

75. As of now, the civil works progress of the subproject has been done and in compliance with safeguards requirements of ADB. This substation has come into operation since May 2016.

Rehabilitation of 110kV Son Tay Substation E1.7

76. The Rehabilitation 110kV Son Tay Substation will not require any acquisition. Civil works are ongoing since May 2016.

Rehabilitation and upgrading of 110kV E12 Tran Hung Dao substation

77. The Rehabilitation of 110kV Tran Hung Dao Substation will not require any acquisition so resettlement implementation progress will not apply. Civil works of the subproject are expected to commence by the end of 2016.

Rehabilitate, upgrade 110kV Phuong Liet Substation E13

78. The Rehabilitation of 110kV Phuong Liet Substation will not require any acquisition so resettlement implementation progress will not apply. Civil works of the subproject are expected to commence by the end of 2016.

220kV Chem - Tay Ho Transmission line

79. The civil work progress of the subproject only take place when all the resettlement progress is done. The subproject was completed in June 2015 and is operational.

110kV Tay Ho-Yen Phu UGC

80. The civil works of the 110 kV Tay Ho-Yen Phu UGC have not been started yet.

Upgrading of transformer T2, renovation of SS 110 kV Tia - E10.4

81. As of now, Thuong Tin DCC has just completed the DMS activities in To Hieu Commune and the civil work has not been started yet. The civil works of the subproject are expected to be commenced by mid-2017.

New construction of 110kV Mo Lao substation and connecting line 110 kV

82. The civil works of Mo Lao SS have been commenced since December 2015. As of now, the construction activities have been completed and the subproject has come into operation since June 2016.

Installation of new transformer T3, 110 kV Thanh Xuan substation- E1.20

83. The civil works of the subproject have been started in December 2015 and are ongoing up to date.

New SS 110 kV Phu Nghia and connecting line 110 kV

84. The ground breaking ceremony of Phu Nghia SS was organized in September, 2016, since then the civil work has been moving forward, the construction activities took place before the resettlement and land acquisition are completed, and land acquisition and resettlement activities have been done before construction start at each electrical pole position.

Transmission line 110 kV from SS 500/220 kV Thuong Tin to Thanh Oai

85. The ground breaking ceremony of Thuong Tin- Thanh Oai TL was organized in October, 2016, since then the civil work has been moving forward, construction activities took place before the resettlement and land acquisition are completed in Kim Bai town, Thanh Thuy, Thanh Van, Tam Hung commune of Thanh Oai district and Van Phu, Hien Giang, Tien Phong commune of Thuong Tin district. however, civil work is commenced for the section where compensation has been made only.

Connecting line to SS 220 kV Son Tay

86. To date, Son Tay DCC has finished DMS activities in March 2017.

New development 110kV Ba Vi ss subproject.

87. The DMS are not conducted as well as civil work in this subproject.

UGC Thanh Cong – Thuong Dinh

88. To date, there is not any civil work activities, due to the compensation documents are being preparation.

III. Pending issues

89. There are no outstanding problems related to land acquisition, compensation, and resettlement implementation.

90. Thuong Tin – Thanh Oai subproject is not finished the update of RP while the civil work has started in August 2016.

91. Connecting line to SS 220 kV Son Tay subproject is not finished the update of RP while the civil work has started in December 2016.

92. Three substations namely Son Tay, Phuong Liet and Tran Hung Dao have not cause land acquisition impacts and ADB Mission in April 2017 has requested Hanoi DPMB to prepare three DDRs for these subprojects in compliance with ADB SPS 2009. To date, the DDR for Son Tay SS is being prepared by PIC consultant while the remaining two DDRs have not been prepared yet as the detail designs for these two subprojects are under review by MOIT.

IV. Conclusion and Recommendation

1. Conclusion

93. Basically, HANOI DPMB and DCCs have implemented compensation procedures as provided in the approved resettlement plans as in accordance with the Government regulations and ADB. Information dissemination, inventory and compensation payment involved the participation and supervision by representatives of affected people and relevant agencies. Concerns by affected people were received and fully handled by the project management board and local authorities.

94. Land acquisition and compensation activities have been done for five (05) subprojects and are ongoing for the others. As of now, there is no pending issue/complaint related to land acquisition, compensation and resettlement activities.

2. Recommendation

95. In conclusion, compensation procedures of some subprojects have been completed. Above results are due to the close collaboration between stakeholders. Now there are three sub-projects are under

construction period, DPMB should continue to coordinate with contractors to avoid emerging impacts on the households.