

# Draft Resettlement Plan

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## BAN- Northwest Distribution Network Modernization Project

Network Infrastructure Development and Modernization of Distribution  
System in NESCO Area

Prepared by Northern Electricity Supply Public Limited Company (NESCO) for the Asian  
Development Bank.

### CURRENCY EQUIVALENTS

Currency unit	–	Bangladesh Taka (BDT)
\$1.00	=	122

### WEIGHTS AND MEASURES

1 ha	–	2.47 acre
1 ha	–	10,000 sqm
1 acre	–	100 decimal

### NOTE

In this report, "\$" refers to US dollar

\*1 US Dollar (USD) = 122 BDT as the exchange rate of Bangladesh Bank on 30 April 2025

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## ABBREVIATIONS

ADB	:	Asian Development Bank
AH	:	Affected household
AP	:	Affected Person
ARIPA	:	Acquisition and Requisition of Immovable Property Act
BADC	:	Bangladesh Agriculture Development Corporation
BBS	:	Bangladesh Bureau of Statistics
BFD	:	Bangladesh Forest Department
CCL	:	Cash Compensation under Law
CMP	:	Current Market Price
CSC	:	Construction Supervision Consultant
DAE	:	Department of Agriculture Extension
DC	:	Deputy Commissioner
DoF	:	Department of Fisheries
EC	:	Entitlement Card
EP	:	Entitled Person
ESU	:	Environmental Social Unit
FGD	:	Focus Group Discussion
GoB	:	Government of Bangladesh
GRC	:	Grievance Redress Committee
HIES	:	Household Income and Expenditure Survey
HH	:	Household
IA	:	Implementing Agency
IGP	:	Income Generating Program
ILRP	:	Income Generating & Livelihood Restoration Program
IR	:	Involuntary Resettlement
IoL	:	Inventory of Loses
JVS	:	Joint Verification Survey
JVC	:	Joint Verification Committee
LA	:	Land Acquisition
LAR	:	Land Acquisition and Resettlement
LAO	:	Land Acquisition Officer
LAP	:	Land Acquisition Plan
LGI	:	Local Government Institution
LMS	:	Land Market Survey
LRP	:	Livelihood Restoration Program
M&E	:	Monitoring & Evaluation
MIS	:	Management Information System
MoPEMR	:	Ministry of Power Energy and Mineral Resources
NESCO	:	Northern Electricity Supply Company
NGO	:	Non-Governmental Organization
PAH	:	Project Affected Household
PAU	:	Project Affected Unit
PCM	:	Public Consultaion Meeting
PCR	:	Physical & Cultural Resources
PD	:	Project Director
PIB	:	Public Information Brochure
PIU	:	Project Implementation Unit
PMO	:	Project Management Office
PRA	:	Participatory Rural Appraisal
PVAC	:	Property Valuation Advisory Committee
PVS	:	Property Valuation Survey
VGf	:	Vulnerable Group Feeding

## GLOSSARY

Census	:	Census is a complete count of the population affected by a project activity including collation of demographic and property information. This will identify and determine the number of Project Affected Persons (PAP) and the nature and levels of impact.
Compensation	:	It includes payments in cash or kind for assets acquired or affected by a Project at full replacement cost.
Cut-off date	:	It refers to the date by which PAPs and their affected assets, as relevant, have been identified and new entrants to the site cannot make claims to compensation or resettlement assistance. Persons whose ownership, use of occupancy prior to the cut-off date can be demonstrated remain eligible for assistance, regardless of their identification in the census.
Displaced person	:	In the context of involuntary resettlement, displaced persons are those who are physically displaced (relocation, loss of residential land, or loss of shelter) and/or economically displaced (loss of land, assets, access to assets, income sources, or means of livelihoods) as a result of (i) involuntary acquisition of land, or (ii) involuntary restrictions on land use or on access to legally designated parks and protected areas.
Economic Displacement	:	Loss of land, assets, access to assets, income sources, or means of livelihoods as a result of (i) involuntary acquisition of land, or (ii) involuntary restrictions on land use or on access to legally designated parks and protected areas.
Entitlements	:	It includes the range of measures comprising cash or kind compensation, relocation cost, income restoration assistance, transfer assistance, income substitution, and business restoration which are due to AHs, depending on the type and degree/nature of their losses, to restore their social and economic base.
Household	:	A household includes all persons living and eating together (sharing the same kitchen and cooking food together as a single-family unit).
Inventory of losses	:	It includes assets listed during the survey/census as a preliminary record of affected or lost assets.
Involuntary resettlement	:	It covers physical displacement (relocation, loss of residential land or loss of shelter) and economic displacement (loss of land or access to land loss of assets or access to assets, or loss of income sources or means of livelihood) as a result of: (a) involuntary acquisition of land; or (b) involuntary restrictions on land use or on access to legally designated parks and protected areas. It covers such displacement whether such losses and involuntary restrictions are full or partial, permanent or temporary.
Khas land	:	It refers to state-owned land which the Government is entitled to both lease and give away to citizens of the country who do not own land. Khas land is considered an important livelihood source for the extreme poor and can generate and protect the gains made toward achieving sustainable livelihoods, particularly for those with low quality, under-sized and flood prone land.
Meaningful consultations	:	Meaningful Consultation. A process that (i) begins early in the project preparation stage and is carried out on an ongoing basis throughout the project cycle; (ii) provides timely disclosure of relevant and adequate information that is understandable and readily accessible to affected people; (iii) is undertaken in an atmosphere free of intimidation or coercion; (iv) is gender inclusive and responsive, and tailored to the needs of disadvantaged and vulnerable groups; and (v) enables the incorporation of all relevant views of affected people and other stakeholders into decision making, such as project design, mitigation measures, the sharing of development benefits and opportunities, and implementation issues.
Physical Displacement	:	Relocation, loss of residential land, or loss of shelter as a result of (i) involuntary acquisition of land, or (ii) involuntary restrictions on land use or on access to legally designated parks and protected areas.

- Resettlement Assistance : It means the measures to ensure that project affected persons who may require to be physically relocated are provided with assistance such as moving allowances, residential housing or rentals, rehabilitation and restoration measures extended in cash and/or kind over and above the compensation whichever is feasible and as required, for ease of resettlement during relocation for lost assets.
- Vulnerable groups : Vulnerable groups or disadvantaged people who (a) may be more severely experience adverse impact of the Project's especially those below the poverty line, the landless, the elderly, women and children, and Indigenous Peoples, and those without legal title to land.
- Mouza : Mouza is composed of several villages. It is officially called as Revenue Village with specific boundary at ground and Maps with plots and benchmarks

## Table of Contents

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<b>GLOSSARY .....</b>	<b>IV</b>
<b>EXECUTIVE SUMMARY .....</b>	<b>9</b>
1.1 Background .....	13
1.2 Summary Scope of the Works .....	15
1.3 Project Area .....	16
1.4 Draft Resettlement Plan and Updation .....	21
1.5 Methodology adopted for preparing the RP .....	21
<b>II. SCOPE OF LAND ACQUISITION AND RESETTLEMENT .....</b>	<b>22</b>
2.1 Introduction .....	22
2.2 Summary of Land acquisition and other resettlement impacts .....	22
2.3.1 Impact on Land for Substation .....	26
2.3.2 Impacts on Structure due to new substation construction .....	27
2.3.3 Impact on trees due to new substation construction .....	28
2.3.4 Affected households and persons due to land acquisition .....	28
2.4 Impact due to substation augmentation/renovation .....	28
2.5 Impacts due to Substation Bay Extensions .....	29
2.6 Impacts due to 33 KV Switching Substation (GIS) .....	31
2.7 Impacts due to 33 KV Switching Sub Station Installation & Shifting (AIS) .....	31
2.8 Impacts due to Overhead 33kv Distribution lines .....	32
2.9 Impacts due to workshops (new workshops) .....	33
2.10 Impacts due to equipment and software .....	33
2.11 Impacts due to Rooftop Solar systems .....	34
<b>III: SOCIO-ECONOMIC INFORMATION AND PROFILE .....</b>	<b>36</b>
3.1 Introduction .....	36
3.2 Demographic Profile of Project Area .....	36
3.2.1 Gender Distribution of Household Heads .....	36
3.2.2 Age and Sex Distribution .....	37
3.2.3 Gender Profile .....	37
3.3 Socio-Economic Profile of Project Area .....	37
3.3.1 Population by Religion .....	38
3.3.2 Households Size .....	38
3.3.3 Education Level (7 Years and above) .....	38
3.3.4 Primary Occupation .....	39
3.3.5 Income Status .....	39
3.3.6 Marital Status of the People .....	40
3.3.7 Housing Infrastructure .....	40
3.3.8 Household Amenities .....	40
3.3.9 Sanitation Facilities .....	41
3.3.10 Household Assets .....	41
3.3.11 Land Ownership .....	41
3.3.12 Government Schemes and Assistance .....	42
3.3.14 Energy Use .....	42
3.4 Role of Women and Gender Issues .....	43
<b>IV: INFORMATION DISSEMINATION AND STAKEHOLDER CONSULTATION .....</b>	<b>44</b>
4.1 Introduction .....	44
4.3 Process of Consultations .....	44
4.4 Key Stakeholders of the Project .....	44
4.5 Public Consultation Meeting .....	44
4.7 Consultations summary .....	53
4.8 Summary of gender consultation .....	56
4.10 Consultation and Participation during Project Implementation .....	58
4.13 Disclosure of the RP .....	58

<b>V. GRIEVANCE REDRESS MECHANISMS</b> .....	<b>59</b>
5.1 Introduction.....	59
5.2 Grievance Redress Committees (GRC) .....	59
5.2.1. Local Level GRC (LGRC)- First Tier.....	60
5.2.2. Project-level GRC (PGRC).....	60
5.2.3 Central-level GRC (CGRC).....	61
5.3. Filing and documentation .....	61
<b>VI. LEGAL, POLICY FRAMEWORK, ELIGIBILITY AND ENTITLEMENT MATRIX</b> .....	<b>63</b>
6.1 Introduction.....	63
6.2 National Laws and Regulations.....	63
6.3. The Electricity Act, 2018 and Electricity Rules, 2020.....	66
6.4 Electricity Rules 2020 (Amendment 2022).....	67
6.5 The Bangladesh Telegraph Act, 1885 .....	68
6.6. Land purchase.....	68
6.7. ADB Safeguard Policy Statement (SPS) 2009 .....	69
6.8. Provisions for guiding the resettlement process .....	74
6.9 Negotiated Settlement.....	75
6.10 Compensation Payment Procedure and Valuation of Asset.....	76
<b>Sharecroppers:</b> .....	78
6.11 Eligibility.....	78
6.12 Cut-off-Date.....	79
6.11 Entitlement Matrix .....	80
<b>VIII: RESETTLEMENT BUDGET AND FINANCING PLAN</b> .....	<b>87</b>
8.1 Budget.....	87
8.2 Budgeting and Financial Plan.....	87
8.2 Detailed Budget.....	89
<b>IX: INSTITUTIONAL ARRANGEMENT</b> .....	<b>91</b>
9.1 Project Organization Structure.....	91
9.2 Overall Institutional Arrangements for Safeguards .....	92
9.4 NESCO's PMU .....	93
9.3 Environment and Social Unit .....	93
9.4 Project Implementaion Assitance Consultant - PIAC .....	94
9.5 Contractor.....	95
9.6 Other Agencies Involved in the Resettlement Process .....	95
9.6.1 Role of Deputy Commissioner's Office .....	95
9.6.3 Others as Relevant.....	95
<b>XI. MONITORING AND REPORTING</b> .....	<b>98</b>
Annex-1: Project Component and Locations.....	99
Annex 2: Total Land Required for Component (in acres).....	102
Annex-3 : Details of Affected Households and Types of Losses.....	104
Annex-4 : Details of Affected Persons due to Permanent Land Acquisition of Private Land .....	105
Annex-5: List of Affected Vendors to be Temporarily Affected by the Distribution Line .....	106
Annex-6: Details of Records of Social Due Diligence.....	108
Annex-7: Records of Consultations .....	229
Annex-8 : Grievance Resolution Process and Grievance Form .....	349
Annex-9: Details on Land Price Calculation .....	351
Annex-10: Government Mouza Rate .....	352
Annex-11: Terms of Reference for ESU Social Expert.....	354

## List of Tables

Table 1.1: Summary Scope as pe Output	15
Table 1.2: Project Area	16
Table 1.3: Location of substations and other project components	17

Table 2.1: Summary Project Impacts by components	23
Table 2.3: Number of Affected Entities on new substation	25
Table 2.4: Total Land Required for New Substations (in acres)	26
Table 2.5: Land loss by affected Households (In Decimal)	<b>Error! Bookmark not defined.</b>
Table 2.6: Severity of Impacts	27
Table 2.7: Income level of affected land owners	27
Note: At the Pabna substation, all five landowners are engaged in the same business jointly, which is why their annual income is the same.	27
Table 2.8 : Trees to be affected by new substation Substations	28
Table 2.9: Affected households by new substations	28
Table 2.9: Total Land Required for substation augmentation/renovation (in acres)	29
Table: 2.11: Total Land Required for Substation Bay Extensions (in acre)	30
Table: 2.12: Total Land Required for Substation switching and Bay Extensions (in acre)	31
Table 2.13: Land Required for Switching station (bay construction, extension, shifting) in acre	31
Table-2.14: Land details of 33kv overhead distribution lines	32
Table-2.15: Number of Affected Vendors on 33kv Overhead Destitution lines	33
Table-2.17. Total Land Required for Central Store	<b>Error! Bookmark not defined.</b>
Table-2.18. Impacts due to Solar Rooftop Components	34
Table 3.1: HH Gender Distribution in project area	36
Table 3.2: HH Gender Distribution in project area	36
Table 3.3: Age-sex distribution of the HHs	37
Table 3.4: Sex profile of surveyed households	37
Table 3.5 : Percentage of HH by religion	38
Table 3.6 : Age Distribution of surveyed households	38
Table 3.7: Level of education of surveyed households	38
Table 3.8: Primary Occupation of Population (15 years and above)	39
Table 3.9: Income level of surveyed households	39
Table 3.9: Marital status of population in the project area	40
Table 3.10: Housing condition of project area	40
Table 3.11: Source of Water	40
Figure 3.12 : Sanitation facilities in the project area	41
Table 3.13: Household asset possession	41
Table 3.14: Land Ownership Type	42
Table 3.15: Status of Government Assistance	42
Table 3.16. Source of energy used by the HH for lighting purposes	42
Table 3.17: energy sources used by the HH for other domestic purposes	43
Table 4.1. Consultations Summary	45
Table 4.2 : Locations and the Number of Participants at Public and Women's Consultations	46
Table 4.3: Summary of Public Consultation Meetings	53
Table 4.4: Summary on Gender Consultations	56
Table 6.1: Land Acquisition Process under ARIPA, 2017	64
Table 6.2: Key provisions of the Electricity Act, 2018 and Electricity Rules 2020, Amendment 2022.	66
Table 6.3: Compliance Review of Bangladesh legislation and ADB SPS (2009)	71
Table 6.4: Cut-off-Date	79
Table 6.5: Entitlement Matrix	81
Table 7.1: Livelihood and Income Restoration Measures	<b>Error! Bookmark not defined.</b>
Table 8.1 : Summary Budget	88
Table-8.2: Compensation for Land for New Substation on Private Land	89
Table-8.3: Compensation for Structures on Private Land	89
Table-8.4: Compensation for Private Trees	89
Table-8.5: Compensation for Distribution Lines	90
Table 9.1: Overall Project Management Roles and Responsibilities as per PAM	91
Table 10.1: Implementation Schedule	97
Table 11.1: Monitoring and Evaluation indicators	<b>Error! Bookmark not defined.</b>
Table 11.2: Reporting Arrangements and Requirements	<b>Error! Bookmark not defined.</b>

## EXECUTIVE SUMMARY

i. The draft Resettlement Plan (RP) is prepared for the “Northwest Distribution Network Modernization Project” (project) proposed for financing by Asian Development Bank (ADB). The resettlement impact is assessed to be not significant based on the assessment at the project preparation phase. Physical displacement is not expected and severity of impacts is assessed to be not significant. The Project is assessed as Category “B” for Involuntary Resettlement (IR) and Category “C” for Indigenous Peoples (IPs) safeguards as per the ADB’s Safeguard Policy Statement, 2009 (SPS).<sup>1</sup> This draft RP shall be updated in project implementation phase. The Power Department, Ministry of Power, Energy and Mineral Resources (MPEMR) is the main Project coordinating body on behalf of the Government. The Northern Electricity Supply Public Limited Company NESCO, a public company under the MoPEMR, the Executing Agency (EA) and Implementing Agency (IA) of the project.

ii. The project is aligned with the following impacts: sustainable and improved disaster- and climate-resilient infrastructure developed. The project will have the following outcome: quality, efficiency, reliability, and sustainability of electricity supply in in the Divisions of Rajshahi and Rangpur improved. The project’s outputs are (i) Output 1: Distribution grid modernized and adaptive capacity to respond to climate disasters enhanced and (ii) Output 2. Institutional capacity for disaster risk management and community resilience increased. The project will involve construction of new substations and several augmentations works including new distribution lines and solar rooftop. The project is in the Rajshahi and Rangpur divisions, covering 60 mouzas across 25 upazilas in 14 districts of Bangladesh.

iii. The project has components with substation constructions and augmentation, and distribution lines constructions. The project IR impacts are assessed and estimated based on the field survey data (June 2024 and May 2025 for additional survey for distribution lines) for all types of anticipated losses, including land and non-land losses and livelihood. Most of the project components found not to require land acquisition because many of them are proposed either on the government land or within the existing facilities of NESCO. The IR impacts are mostly related to approximately 1 acre of private lands to be acquired for two new substations (out a total 6 new substations). The new overhead distribution lines are expected to have minor and temporary impacts on the vendors and wage earners in terms of temporary loss of income during construction because the new 33 kV lines will be installed within the existing 11 kV alignment and RoW by replacing the 11 kV poles for 33 kV lines.

iv. A total of 6 new substations will be constructed requiring 1.737 acres of land. Out of this, 4 sites (0.577 acres) are owned by NESCO. The remaining 2 sites (1.16 acres) will be on private land which will either be acquired through land acquisition process or directly purchased through a willing buyer–willing seller approach from 6 individual landowners. In case of direct purchase through negotiation, safeguards requirements-2 of the SPS does not apply unless expropriation would result upon the failure of negotiation. NESCO will adhere to ADB SPS IR policy principle 6 where NESCO will develop procedures in a transparent, consistent, and equitable to ensure that those people who enter into negotiated settlements will maintain the same or better income and livelihood status. In case of failure of negotiation, NESCO will opt for alternate site and will not enforce the eminent domain for involuntary acquisition of land for that particular site where negotiation has failed. One semi-pucca godown (120 sq. ft.) at Kodomtola AIS, Pabna owned by a landowner will be affected. A total of 114 private trees will

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<sup>1</sup> There are tribal people in Dinajpur district, but no impact on them expected. Most of the components are within the existing facilities except: (i) S&D-1, office campus, Shuihari, Dinajpur (2\*10/13.33 MVA AIS SS)- new substation which is NESCO land, and (ii) Purbo Sadipur Grid to Proposed S&D-1 Campus Dinajpur Substation (0.33km)- line, but the IPs as the Santhal tribal are far from the sites (components within the existing facilities) and in the city areas people are mainstreamed. This will be reconfirmed during the project implementation and the draft RP update and IPP to be prepared if required.

be cut in the private land where two substations are proposed to construct. Augmentation and solar roof top components expected not have land impact. Construction of overhead 33 kV distribution lines may temporarily impact vendors and 34 vendors and 7 laborers (wage earners of vendors in terms of loss of income) are found at draft RP preparation if will not be avoided during final design and construction. Physical displacement is not anticipated. Summary of impacts is in table E-1.

Table E-1: Summary of Impacts

#	Impacts	Unit of Quantification	Quantity	No. of Affected HHs
1	Total Land Requirement for new Substations	Acre	1.737	6
2	Private Land for new substations	Acre	1.16	6 (22 persons)
3	Government/NESCO land for new substations	Acre	0.577	0
4	Agricultural land	Acre	1.16	6
5	Residential land	Acre	0	0
6	Commercial land	Acre	0	0
7	Community Land	Acre	0	0
8	Area under Crop Cultivation	Acre	0	0
9	Total Trees privately owned	Number	114	5
10	Including Fruit trees	Number	105	5
11	Includng Timber trees	Number	4	5
12	Other trees (Medicinal)	Number	5	5
13	Total Structures	Number	1	1
14	Residential Houses/Dwelling	Number	0	0
15	Commercial Structures/ Shops	Number	0	0
16	Secondary structure	Number	1	1
17	Social/ Community Infrastructure	Number	0	0
18	Structures needing Relocation	Number	0	0
19	Permanent Loss of income and livelihood	Number	0	0
20	Severely Affected Households (AH/APs)	Number	0	0
21	Vulnerable Households	Number	0	0
22	Total Affected Households (Permanent)	Number	6	6
23	Total Affected Persons (permanent)	Number	25	25
24	Male Affected Persons (permanent)	Number	11	11
25	Female Affected Persons (permanent)	Number	14	14
26	Temporary affected households in lines	Number	41 <sup>2</sup>	41 (161 persons)
27	Total affected persons (Temporary)	Number	161	161
28	Overall affected households	Number	47	47
29	Overall affected persons	Number	186	186
30	Community natural resource	0	0	0
31	Crops area (per types of crops)	0	0	0

<sup>2</sup> 34 vendors and their 7 wage earners identified.

v. Consultations were carried out at several locations with stakeholders including affected persons (APs) and communities, local governments, and separate focuses groups discussions with community women where the project anticipated social and environmental adverse impact was discussed. The summary of the draft RP will be disclosed to affected people and communities through resettlement brochures once the draft RP is approved by NESCO and ADB and during updating the draft RP prior to implementaion. People expressed support for the project, however, raised need for continuously sharing information about the project implementation timeline and adequate compensation for loss of land and non-land asset. Consultations were held between May 2024 to June 2024 and in May 2025. A total of 92 number of consultaions were conducted including 48 public consultaion and 44 gender consultations at 50 different project components during the surveys from May to June 2024 and May 2025. The total number of participants were 1179 (617 men and 562 women). NESCO will disclose the summary of the draft RP through information brochures in Bangla/local language to APs upon its endorsement by the NESCO and clearance of ADB. The endorsed draft RP will be disclosed on the website of ADB prior to the loan negotiation. NESCO will disclose it on its website. The updated RP based on detailed design and social monitoring reports will be disclosed in ADB and NESCO websites.

vii. NESCO shall establish the project level grievance redress mechanism (GRM) with effective procedure to receive and resolve any queries, complaints or grievances from APs related to the Project. The GRM will deal with complaints related to social/resettlement and environmental safeguards, and consultations and information disclosure issues. Grievance Redress Committees (GRC) will be formed to resolve complaints. A three tier GRM is proposed in this draft RP: (i) 1<sup>st</sup> tier at Local (Upazila) level, (ii) 2<sup>nd</sup> tier at Project Level (PMU) and (iii) 3<sup>rd</sup> tier at central level of NESCO.

viii. The policy and legal framework for land acquisition and involuntary resettlement for the project will be based on principles and requirements of ADB SPS (2009) and laws of Bangladesh such as: (i) Acquisition and Requisition of Immovable Property Act (ARIPA) 2017 (ii) the Electricity Act of 2018 and Electricity Rules 2020; (iii) the Bangladesh Telegraph Act of 1885. All affected households will be eligible and entitled for compensation of loss of land and non-land asset, income and livelihood and other assistance as eligible for each group. Lack of legal documents for land titles shall not bar their eligibility for compensation according to the groups of APs as per SPS provisions below.

ix. As per paragraph 7 of SPS (SR-2), displaced persons (affected persons) in a project area could be of three types: (i) persons with formal legal rights to land lost in its entirety or in part; (ii) persons who lost the land they occupy in its entirety or in part who have no formal legal rights to such land, but who have claims to such lands that are recognized or recognizable under national laws; and (iii) persons who lost the land they occupy in its entirety or in part who have neither formal legal rights nor recognized or recognizable claims to such land. The IR requirements and provisions in this draft RP apply to all three types of displaced persons. NESCO will provide adequate and appropriate replacement land and structures or cash compensation at full replacement cost for lost land and structures, adequate compensation for partially damaged structures, and relocation assistance, if applicable, to those persons described in para. 7(i) and 7(ii) prior to their relocation. For those persons described in para. 7(iii), the borrower/client will compensate them for the loss of assets other than land, such as dwellings, and for other improvements to the land, at full replacement cost. The entitlements of those under para. 7(iii) is given only if they occupied the land or structures in the project area prior to the cutoff date for eligibility for resettlement assistance. These are summarized in the entitlement matrix is provided in chapter 6.

x. The cut-off date for eligibility under the project is based on the commencement of the Census and Inventory of Losses (IOL) survey which was carried out across different project areas during May–June 2024 for substations and other components, and May 2025 for distribution lines. The Legal Cut-off Date: is applicable to titled landowners which will be the date of issuance of the notice under Section 4 of the ARIPA 2017, which formally initiates the land acquisition process (expected upon the project approval).

x. The total estimated budget for implementation of the Resettlement Plan is BDT 126,228,409 (126.23 million) equivalent to USD 1,034,659 (1.03 million) including 15% contingency cost. This is an estimated cost based on the feasibility level assessment which will be updated during the detailed design (component or section-wise RP addendums as applicable) with consideration of 15% contingency and prior to disbursement of compensation.

xi. NESCO has established a dedicated PMU to lead the project implementation. However, there is no dedicated safeguards staff yet. NESCO will establish its own environment and social unit (ESU) at its corporate level. This may take approximately 18 to 24 months from the loan effectiveness. In order to manage the safeguards implementation, NESCO will initially designate its own three engineer staff to manage safeguards with support of the qualified safeguard specialists under the team of the Project Implementation and Assistance Consultant (PIAC) to be hired by NESCO for the project implementation. The PIAC in coordination with ADB Country Office will provide training to these staff of NESCO. Also, as needed, PMU will hire a social consultant PMU (12 person-months intermittent input) until the full time ESU will be established. The safeguard experts proposed in the PIAC team will include (i) Environment Expert, (ii) Health and Safety Expert, (iii) Social Safeguard Expert (resettlement and labor) and (iv) Substation Experts (team leader).

xii. Social safeguards tasks include preparation of draft and updated RPs, public and meaningful consultations with APs and communities and stakeholders, disclosure of RPs and project information, payment of compensation and other entitlements, grievance redress, monitoring and reporting, corrective actions as needed and so on. For substations and components with IR impact, all activities related to assessment of losses and payment of compensation and entitlements will be completed before subproject sites are handed over to the contractor and the commencement of construction works.

xiii. NESCO will conduct internal monitoring for the RP implementation and safeguards compliance during the project implementation. Initially, NESCO, through its designated engineers for safeguards, will ensure social safeguard implementation and monitoring reporting to ADB through semi-annual social monitoring reports, with support of the PIAC safeguard specialists before the NESCO's ESU will be established. Further, monitoring will be carried out by the ESU when it is fully staffed with safeguards experts. The PIAC will assist the ESU in monitoring and preparation of reports. NESCO supported by PIAC will submit (i) Semi-annual social monitoring reports to ADB (covering period from January to June and July to December, by 15<sup>th</sup> of following month) during the project implementation until the project completion reports are issued.

## I: INTRODUCTION AND PROJECT DESCRIPTION

### 1.1 Background

2. This draft Resettlement Plan (RP) is prepared for the “Northwest Distribution Network Modernization Project” proposed for financing by the Asian Development Bank (ADB) and the Northern Electricity Supply Public Limited Company (NESCO) is an implementing agency. The resettlement impact is assessed to be not significant<sup>3</sup> based on the assessment at the project preparation phase. Physical displacement is not anticipated and severity of impacts found to be not significant. The Project is assessed as Category “B” for Involuntary Resettlement (IR) and Category “C” for Indigenous Peoples (IPs) safeguards as per the ADB’s Safeguard Policy Statement, 2009 (SPS).<sup>4</sup> This is draft RP which will be updated and implemented according upon ADB clearance during the Project implementation phase.

3. NESCO is responsible for distribution of electricity in Rajshahi Division and Rangpur Division in the northwest part of Bangladesh. The project is designed to increase the resilience of power distribution infrastructure through network hardening, modernization and digitalization, and enhanced management of repairs and recovery. By incorporating resilience in distribution infrastructure, the project will enhance the capacity of NESCO to mitigate and better manage the extreme weather events induced by climate change and natural hazards. The need for grid modernization is becoming increasingly urgent in Bangladesh because (i) electricity consumption is expected to grow at high rate, (ii) the climate change risk is high, and (iii) the country has an ambitious target for renewable capacity addition.

4. The proposed project aims to improve the resilience and reliability of the power distribution network in the northwest region of Bangladesh—Rajshahi and Rangpur Divisions—by modernizing critical infrastructure and strengthening the capacity of the NESCO. By incorporating resilience measures into the distribution system, the project will enhance NESCO’s adaptive capacity to mitigate, better manage, and recover from extreme weather events. It will also promote community resilience by providing distributed renewable systems, supporting sustainable livelihoods, and strengthening institutional disaster risk management capacities. The project will contribute to improving energy security, reducing vulnerability, and fostering inclusive growth in the region

5. The project is aligned with the following impacts: sustainable and improved disaster- and climate-resilient infrastructure developed.<sup>5</sup> The project will have the following outcome: quality, efficiency, reliability, and sustainability of electricity supply in in the Divisions of Rajshahi and Rangpur improved.

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<sup>3</sup>The involuntary resettlement impacts of an ADB-supported project are considered significant if 200 or more persons will experience major impacts, which are defined as (i) being physically displaced from housing, or (ii) losing 10% or more of their productive assets (income generating). ADB SPS (2009) OM Section F1/OP.

<sup>4</sup> There are tribal people in Dinajpur district, but no impact on them expected. Most of the components are within the existing facilities except: (i) S&D-1, office campus, Shuihari, Dinajpur (2\*10/13.33 MVA AIS SS)- new substation which is NESCO land, and (ii) Purbo Sadipur Grid to Proposed S&D-1 Campus Dinajpur Substation (0.33km)- line, but the IPs as the Santhal tribal are far from the sites (components within the existing facilities) and in the city areas people are mainstreamed. This will be reconfirmed during the project implementation and the draft RP update.

<sup>5</sup> Government of Bangladesh. Ministry of Environment, Forest, and Climate Change. 2022. [National Adaption Plan of Bangladesh \(2023–2050\)](#).

## **Output 1: Distribution grid modernized and adaptive capacity to respond to climate disasters enhanced.**

6. Output 1 will include (i) establishment of a disaster recovery center and expansion of existing data center, (ii) installation of intelligent electronic devices with fault detection systems, integrated with Advanced Distribution Management System, (iii) upgradation of 4 transformer repair workshops with improved health and safety and hazardous waste management; and (iv) construction of 6 new 33/11 kilovolt (kV) substations, 7 new switching stations, and modernization of 10 existing 33/11 kV substations with gender inclusive design. This output will take advantage of modern digital technologies to support the enhanced monitoring, control, and operation of the distribution power system. The output will support an upgrade of NESCO's digital telecommunication network to enable those systems to be fully functional. Greater digitalization of the distribution network will enable NESCO to deliver electricity more efficiently and reliably. Disaster recovery center and data center are physical backup facilities to restore crucial applications and information, and disaster recovery center is typically used in case of unexpected disasters, which may result in outages that disrupt the distribution network. By integrating advanced communication technology into the disaster recovery center, NESCO can also improve the efficiency of emergency responders during a disaster. The installation of fault detection systems improves the resilience of the distribution network by reducing the likelihood of equipment failures and outages. By proactively identifying and addressing potential issues, NESCO can minimize the impact of disasters on its operations and maintain essential power services for its consumers. Distribution transformer repair workshops will enable quick response and restoration of electricity services in the event of a disaster. By maintaining a stock of spare parts, tools, and skilled personnel, workshops can rapidly deploy repair teams to affected areas, minimizing downtime and improving the resilience of the distribution system.

## **Output 2. Institutional capacity for disaster risk management and community resilience increased.**

7. Output 2 aims to increase the institutional capacity of NESCO for disaster risk management and reduce vulnerability of the community to natural hazards. The output will include (i) installation of 250 kW rooftop solar with battery storage in NESCO's critical control centers as an emergency backup power system,<sup>6</sup> (ii) installation of 320 kW solar photovoltaic nano-grid systems<sup>7</sup> at disaster shelters (schools and clinics) in riverine-islands<sup>8</sup>; (iii) provision of awareness training on disaster preparedness and response capacities to vulnerable communities; (iv) provision of electricity based livelihood equipment with skill training to low-income people with a particular focus on women and vulnerable groups; and (v) strengthen the NESCO's institutional capacity in terms of disaster preparedness, emerging smart grid technologies, operation and maintenance, environment, and safety. Regarding item (iv) of this output, identified livelihood opportunities include tailoring and handicrafts, beauty parlors, vending kiosks, household electricity wiring, repair and maintenance of electrical equipment, and block batik printing. Specific types of electricity-based equipment and skill training programs will be determined based on a detailed needs assessment. Beneficiaries will include vulnerable people on riverine-island, with a particular focus on training in climate-smart agriculture, emphasizing the use of flood and saline-tolerant crops. All beneficiaries will be located within NESCO's distribution service area.

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<sup>6</sup> The critical control centers include a disaster recovery center, a data center, and 16 substations.

<sup>7</sup> The solar photovoltaic (PV) nano-grids comprise solar PV panels and battery storage. The capacity of the nano-grids vary from 10-kilowatt peak (kWp) to 12 kWp, depending on the load pattern and space availability. Nano-grids are an emerging solution, providing flexible and sustainable power options for small-scale energy needs.

<sup>8</sup> The community disaster shelters include 16 schools and 3 clinics at 5 riverine islands (Asariadoho, Alaitoli, Alatalu in Rajshahi region and Hatibandha, Patgram in Rangpur region)

## 1.2 Summary Scope of the Works

8. Below is a summary of proposed works and components by each output in Table 1.1

- 4 nos. transformer workshop construction.
- Installation of 3 nos. new GIS substations.
- Upgradation of 1 no. GIS substation.
- 3 Nos. new AIS substations.
- 3 nos 33 kv GIS switching substation construction, 1 nos AIS 33 KV switching substation installation and 3nos AIS control room shifting
- 10 no. AIS substation upgradation; and
- Construction, extension, or shifting of 36 nos. bays.
- Setting up 1 (one) Disaster Recovery Center in an existing building.
- Expanding 1 (one) existing data center capacity.
- Installation of intelligent electronic devices (IED) with fault locator and accessories for detection of faults on distribution network.
- 250 kW rooftop solar with battery storage at the disaster recovery center, a data center, and 15 substations of NESCO.
- 400 kW solar photovoltaic nano-grid systems; and
- provision of electricity-based livelihood equipment.
- 33.73 km overhead distribution line

Table 1.1: Summary Scope as per outputs

Name of Output	Major Components
Output 1: Distribution grid modernized and adaptive capacity to respond to climate disasters enhanced.	<ul style="list-style-type: none"> <li>(i) establishment of a disaster recovery center and expansion of existing data center,</li> <li>(ii) installation of Intelligent Electronic Devices (IED) with fault detection system, integrated with Advanced Distribution Management System,</li> <li>(iii) upgradation of four transformer repair workshops with improved health and safety and hazardous waste management; and</li> <li>(iv) construction of 6 new 33/11 kilovolt (kV) substations (3 new GIS 33/11 kV and 3 new AIS 33/11 kV Substations), 6 new switching substation stations, and upgradation of modernization of 10 existing 33/11 kV substations with gender inclusive design.</li> <li>(v) Installing a total of 33.73 km Overhead distribution line</li> </ul>
Output 2. Institutional capacity for disaster risk management, and community resilience increased.	<ul style="list-style-type: none"> <li>(i) installation of 250 kW rooftop solar with battery storage in NESCO's critical control centers as an emergency backup power system,<sup>9</sup></li> <li>(ii) installation of 400 kW solar photovoltaic nano-grid systems<sup>10</sup> at disaster shelters (schools and clinics) in riverine-islands<sup>11</sup>;</li> <li>(iii) provision of awareness training on disaster preparedness and response capacities to vulnerable communities.</li> <li>(iv) provision of energy-based livelihood equipment with skill training to low-income people with a particular focus on women and vulnerable groups; and</li> <li>(v) strengthen the NESCO's institutional capacity in terms of disaster preparedness, emerging smart grid technologies, operation and maintenance, environment, and safety.</li> </ul>

<sup>9</sup> The critical control centers include a disaster recovery center, a data center, and 15 substations.

<sup>10</sup> The solar photovoltaic (PV) nano-grids comprise solar PV panels and battery storage. The capacity of the nano-grids vary from 10-kilowatt peak (kWp) to 12 kWp, depending on the load pattern and space availability. Nano-grids are an emerging solution, providing flexible and sustainable power options for small-scale energy needs.

<sup>11</sup> The community disaster shelters include 16 schools and 3 clinics at 5 riverine islands (Asariadoho, Alaitoli, Alatuli in Rajshahi region and Hatibandha, Patgram in Rangpur region)

9. The new GIS/AIS substations and switching stations will be automated and equipped (as applicable) with 2-4 story control buildings, transformers, batteries, internal access roads, surface drains etc. The workshops to be constructed will require a shop floor and storage area with built in drainage to a sump for oil collection, safe electrical connections for machines, modern heat chambers, adequate ventilation and lighting maintaining Lux requirements, and noise attenuation. All new building installations will follow the building codes of Bangladesh. For these alternative sites are considered by NESCO. One transformer replacement will take place at the 33 kV GIS to upgrade. The 9 AIS upgradations and 15 locations for bays in existing PGCB substations do not involve major civil or structural works but add new transformers and equipment within the existing compounds. New overhead lines will follow the existing route of 11 kV lines by replacing the old poles with new poles having capacity for 33 kV lines.

### 1.3 Project Area

10. The project is in the Rajshahi and Rangpur geographic divisions covering 60 mouzas across 25 upazilas in 14 districts of Bangladesh (Table 1). These locations include districts: Rajshahi, Pabna, Bogura, Rangpur, Dinajpur, Chapainawabganj, Panchagarh, Gaibandha, Nilphamari, Naogaon, Lalmonirhat, Naogaon, Natore, Kurigram, and Thakurgaon Table 1.2 provides Project area with district, upazila and mouza name, Table 1.3 provides locations of substations and other components. Details of project locations are in Annexure-1.

Table 1.2: Project Area

District	Upazila	Name of the Mouza
Rajshahi	Rajshahi Sadar, Rajpara, Paba, Boalia	Chandipur, Som sadipur, Choto Ban-gram, Boalia, Kazihat, Rajpara, Hologram, Lokkhipur, Mollahpara, Aliganj, Khirsan, Sreerampur
Pabna	Pabna Sadar, Ishwardi	Charasotuspur, Radhanagar, Nurpur, Singha, Salgaria, Loskorpur, Dudar Para, Arifpur, Bolorampur, Radha Nagar, Jaynagar
Bogura	Bogura Sadar, Mohasthangar, Dupchachiya	Sutrapur, Chak alam, Nagarkandi, Puran bogura, Jogonathnagar, Malgram, Sehojgari,
Rangpur	Rangpur Sadar, Taraganj	Alamnagar, Shahebganj, Satgara, Nasnia, Ikochali, Tajhat, Kamalkasna, Baharkasna
Dinajpur	Dinajpur Sadar, Bochaganj, Kaharul	Shuihari, Fakirpara, Prannathpur, Skekhpura, Dhontola, Beldanga, Prannath pur, Uttar Gusaipur
Chapainawabganj	Chapai Nawabganj Sadar	Nayagola, Amnura, Horipur
Panchagarh	Panchagarh Sadar	Dhakkamara
Gaibandha	Dhanghora	Dhanghor
Nilphamari	Saidpur, Jaldhaka	Niamotpur, Golahat, Dundibari
Lalmonirhat	Lalmonirhat Sadar, Hatibandha	Saptana , Romoniganj
Naogaon	Naogaon Sadar	Pirojpur
Natore	Natore Sadar	Horispur
Kurigram	Kurigram Sadar	Protab
Thakurgaon	Thakurgaon Sadar	Sit Chilagong
<b>14-District</b>	<b>25- Upazila</b>	<b>60-Mouzas</b>

Source: NESCO

Table 1.3: Location of substations and other project components

#	Component Name	District	Subdistrict	Mouza	GPS coordinate
	<b>New Substations</b>				
1	Chandipur S& DD-2, Rajshahi (2*20/26 MVAGIS SS)	Rajshahi	Rajpara	Chandipur	24.36927 88.5746683
2	Kodomtola (AIS) S& DD-1, Pabna (New Land) (2*10/13.33 MVA AIS SS)	Pabna	Pabna Sadar	Chara Asutuspur	23°59'30.68"N, 89°15'32.85"E
3	S&D1 Campus (GIS), S & DD-1, Bogura (2*20/26 MVA GIS SS)	Bogura	Bogura Sadar	Sutrapur	24°50'55.99"N 89°22'29.22"E
4	Campus S&D-1, NESCO, Rangpur (GIS) S & DD-1, Rangpur (2*20/26 MVAGIS SS)	Rangpur	Rangpur Sadar	Alamnagar	25.74067386, 89.2555466
5	Baharkasna (S&D-3), Rangpur (2*10/13.33 MVA AIS SS)	Rangpur	Rangpur Sadar	Sahebganj	25°46'13.72" 89°18'2.34"E
6	S&DD-1, office campus, Shuihari, Dinajpur (2*10/13.33 MVA AIS SS)	Dinajpur	Dinajpur Sadar	Suihari	25.65833, 88.6475
	<b>Substation Augmentation/ renovation (33/11 Existing AIS Substation Renovation)</b>				
1	Fakirpara under S&DD-1, NESCO, Dinajpur,	Dinajpur	Dinajpur Sadar	Fakirpara	25°38'36.70"N 88°38'52.59"E
2	Balubari under S&DD-2, NESCO Dinajpur.	Dinajpur	Dinajpur Sadar	Prannath Pur	25°37'25.54"N 88°38'22.18"E
3	Upasahar under S&DD-2, NESCO, Dinajpur,	Dinajpur	Dinajpur Sadar	Skekhpara	25°36'51.62"N 88°38'49.13"E
4	Setabgonj under ESU, NESCO, Setabgonj.	Dinajpur	Bochaganj	Dhontola	25°48'5.19"N 88°27'54.28"E
5	Panchagarh substation under S&DD-Panchagarh.	Panchagarh	Panchagarh Sadar	Dhakkamara	26°20'46.56" N 88°33'22.42" E
6	Katkipara under S&DD-2, NESCO, Rangpur.	Rangpur	Rangpur Sadar	Satghara	25°45'0.04"N 89°13'53.25"
7	Mahigonj under S & DD-3, NESCO, Rangpur,	Rangpur	Rangpur Sadar	Nasnia	25°44'1.32"N 89°17'31.54"E
8	Dhanghora under S&DD-2, NESCO, Gaibandha.	Gaibandha	Gaibandha Sadar	Danghor	25°19'22.25"N 89°30'30.68"E
9	Niamotpur under S&DD, NESCO, Saidpur, Nilphamari,	Nilphamari	Saidpur	Niamatpur	25°46'47.85"N 88°54'38.52"E
10	Noyagola GIS S& DD-1, Chapainababgang (only Transformer) (2*20/26 MVA GIS SS) Upgradation	Chapainababgang	Chapainababgang Sadar	Noyagola	24°37'1.54"N 88°18'5.85"E
	<b>Substation Bay Extensions (Type Bay Breaker)</b>				
1	Nurpur grid, Pabna	Pabna	Pabna Sadar	Radhanagar	24.02249435 89.2336818
2	Jaynagar grid, Ishwardi, Pabna (from T-3 Transformer)	Pabna	Ishwardi	Jaynagar	24.09658648 89.08300035
3	Natore Grid, Natore	Natore	Natore	Natore	24°24'42.32"N 89° 0'31.24"E
4	Jaldhaka Grid, Nilphamari	Nilphamari	Jaldhaka	Jaldhaka	26° 2'32.85"N 88°59'38.46"E
5	Amnura Grid, Chapainawabganj	Chapainawabganj	Chapainawabganj Sadar	Amnura	24.63411695 88.40193489
6	Sabgram Grid, Bogura	Bogura	Bogura Sadar	Chalk Alam	24.8684830 89.41141479
7	Mohasthan Grid, Bogura	Bogura	Mohasthan Ghor	Nagor Kandhi	24.95937896 89.35678783

#	Component Name	District	Subdistrict	Mouza	GPS coordinate
8	Puran Bogura Grid, Bogura	Bogura	Bogura Sadar	Puran Bogura	24.84117836 89.35108421
9	Dupchachiya grid, Bogura	Bogura	Dupchachiya	Jogonnath Nagar	24.86663672 89.16250008
10	Naogaon Grid	Naogaon	Naogaon Sadar	Pirojpur	24.80311435 88.96394714
11	Golahat grid, Sayedpur, Nilphamari	Nilphamari	Sayedpur	Golahat	25.81290778 88.88559975
12	Taraganj grid SS	Rangpur	Taraganj	Ikochali	25.810957 89.00976
13	Lalmonirhat Grid, Lalmonirhat	Lalmonirhat	Lalmonirhat	Lalmonirhat	25°55'3.54"N 89°27'14.96"E
14	Kurigram Grid, Kurigram	Kurigram	Kurigram	Kurigram	25°48'32.80"N 89°35'39.11"E
	<b>Substation Switching Station and Bay Extensions/33 KV Switching Substation (GIS)</b>				
1	Rangpur (PGCB 132/3 kV Rangpur)	Rangpur	Rangpur Sadar	Alam Nagar	25.72850379 89.25239459
2	Purbosadipur (PGCB Purbasadpur 230/132/33)	Dinajpur	Kaharul	Beldhanga	25.7540549 88.67887761
3	Kathakali 132 kV PGCB, Kathakali	Rajshahi	Paba	Shomshajipur	24.36602538 88.67532168
	<b>Substation Switching Station (GIS/AIS 33 kV)/ 33 KV Switching Sub Station Installation &amp; Shifting (AIS)</b>				
1	Pabna AIS (only Panel Shifting)	Pabna	Pabna Sadar	Radhanagar	24.02376282 89.23458522
2	Hatibandha grid (Proposed)	Lalmonihat	Hatibandha	Romoniganj	26.20787436 89.08885044
3	Thakurgaon (PGCB Thakurgaon)	Thakurgao n	Thakurgao n Sadar	Sit Chilarong	26.03847432 88.42552654
4	Chapainawabganj (PGCB substation)	Chapainaw abganj	Chapainaw abganj Sadar	Horipur	24.5796615 88.28957979
	<b>Overhead 33kv Lines (in Km)= 33.73</b>				
1	Nurpur Grid to Bolorampur Kodomtola Proposed Sub-station (8 km)	Pabna	Pabna Sadar	Nurpur, Singha, Salgaria, Laskarpur, Duarpara, Arifpur, Bolorampur	
2	Chondipur To Miapur Grid, Rajshahi (8 km)	Rajshahi	Rajshahi City and Paba	Kazihata, Rajpara, Hologram, Lokkhipur, Mollahpara, Aliganj and Khirshen	
3	Rajshahi Link Line, Rajshahi (1 km)	Rajshahi	Rajshahi City	Sreerampur, Kazihata	
4	Lalbag To Proposed Baharkasna Sub-station, Rangpur (11.6 km)	Rangpur	Rangpur City	Alamnagar, Tajhat, Baharkasna, Kamal Kasna	
5	Lalbag to Shapla, S&D 1 Rangpur (1.9 km)	Rangpur	Rangpur City	Alamnagar	
6	Puran Bogra Grid To Bogra S&D Campas -1, Bogura (2.9 km)	Bogura	Bogura Sadar	Seojgari, Sutrapur and Malgram	
7	Dinajpur Interconnection line (0.33 km)	Dinajpur	Dinajpur Sadar	Uttar Gosaipur	
	<b>Workshops</b>				
1	Shalbagan, Rajshahi	Rajshahi	Rajshahi City/Boalia	Choto Bangram	24.38380861 88.60961359
2	ZRS, Bogura (Near Rest house)	Bogura	Bogura Sadar	Malgram	24.84190548 89.35286701
3	Lalbag, Rangpur	Rangpur	Rangpur	Alamnagar	25.72888284

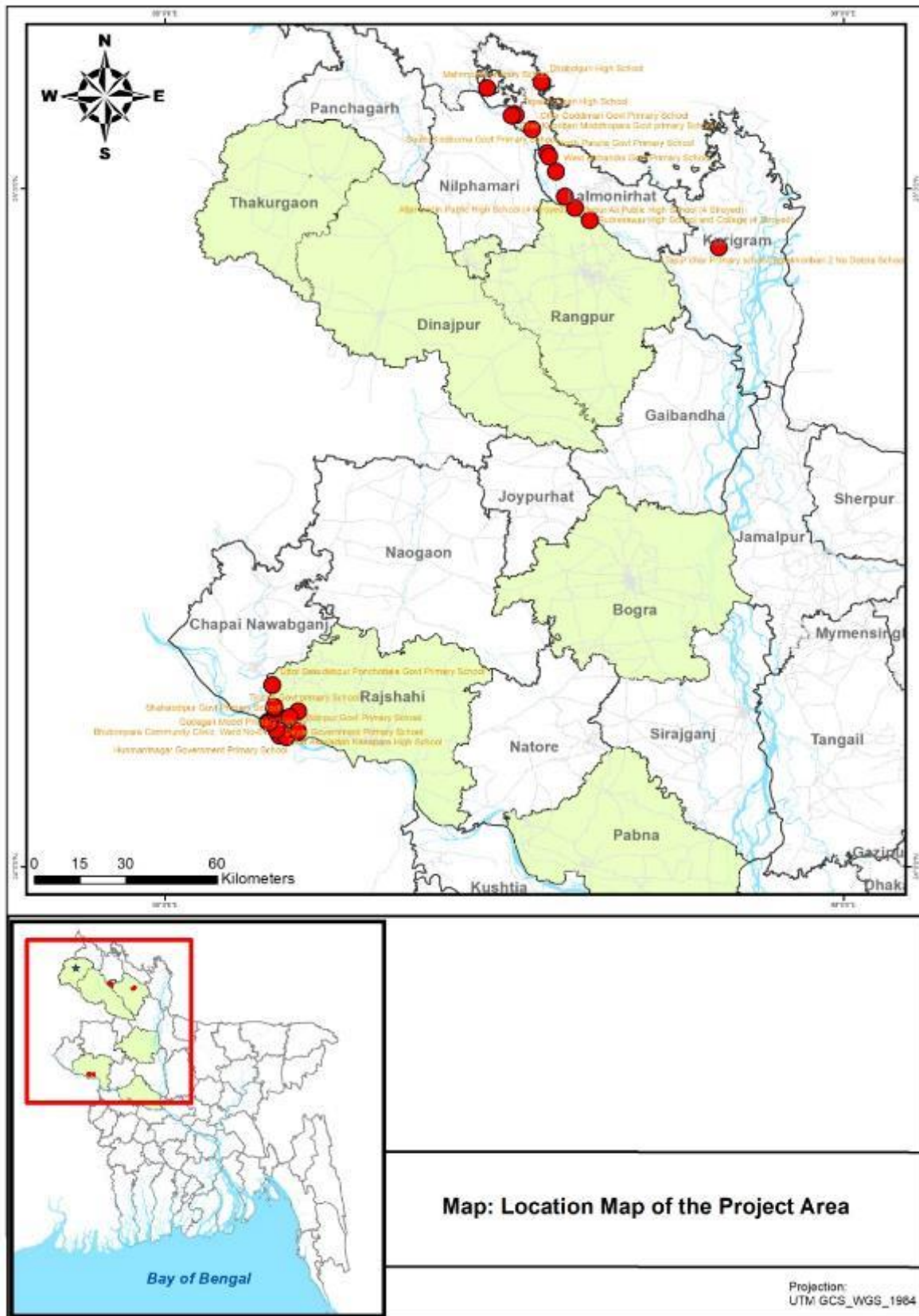
#	Component Name	District	Subdistrict	Mouza	GPS coordinate
			Sadar		89.25238755
4	Dinajpur	Dinajpur	Dinajpur Sadar	Prannath Pur	25.62409903 88.63890398
	<b>Buildings, Equipment &amp; Softwares</b>				
	Disaster Recovery Center, Lalbagh	Rajshahi	Rajshahi City/Boalia	Boalia	25°43'46.08"N 89°15'8.04"E
	Data Centre Expansion	Rajshahi	Rajshahi City/Boalia	Boalia	24°22'26.77"N, 88°36'11.45"E
	<b>Solar Roof Top</b>				
	250 kW rooftop solar	Besides above packages, two Rooftop components are also included in the IEE due diligence- namely (i) installation of 250 kW rooftop solar with battery storage in NESCO's critical control centers as an emergency backup power system, <sup>12</sup> (ii) installation of 400 kW solar photovoltaic nano-grid systems <sup>13</sup> at disaster shelters (schools and clinics) in riverine-islands <sup>14</sup> ; These items will be supported on a grant basis by the Japan Fund for Prosperous and Resilient Asia and the Pacific (JFPR) of \$2.0 million.			
	400 kW solar photovoltaic nano-grid system				

Source: NESCO

<sup>12</sup> The critical control centers include a disaster recovery center, a data center, and 16 substations.

<sup>13</sup> The solar photovoltaic (PV) nano-grids comprise solar PV panels and battery storage. The capacity of the nano-grids vary from 10-kilowatt peak (kWp) to 12 kWp depending on the load pattern and availability of space. Nano-grids are an emerging solution, providing flexible and sustainable power options for small-scale energy needs.

<sup>14</sup> The community disaster shelters include 16 schools and 3 clinics at 5 riverine islands (Asariadoho, Alaitoli, Alatuli in Rajshahi region and Hatibandha, Patgram in Rangpur region)



Map : Location of Project Area

## 1.4 Draft Resettlement Plan and Updation

11. The draft Resettlement Plan (RP) is prepared to identify potential involuntary resettlement impact and risks and provide compensation and appropriate mitigation measures for affected households and communities. The draft RP is prepared in accordance with the ADB SPS (2009) and laws of Bangladesh on land acquisition and shall be updated based on the project's detailed design and final alignment of during the implementation (by addendums as applicable).

12. The census of affected households to be updated and verified during the RP update, including on identification and verification of vulnerable households and severity of impact. The RP estimated budget includes 15% contingency for any unanticipated impact, updating census and number of affected households. However, NESCO considers any change would be within the 15% contingency cost and NESCO does not anticipated major impact change.

## 1.5 Methodology adopted for preparing the RP

13. The draft RP is prepared using a participatory approach to ensure that the resettlement related impact is well assessed as possible at the project preparation phase. The methodology included field surveys, stakeholders' consultations including affected landowners, vendors, wage earners, local community and land departments, census and socio-economic surveys of APs, and detailed inventory of losses.<sup>15</sup> The process was guided closely by ADB's engaged consultants.

- **Census Survey:** A census survey was conducted to identify affected households (AHs). These surveys collected data about their economic conditions and potential impacts of the project. The collected data were compiled into an electronic database for each identified AHs. Census was conducted for all 6 households ( 25 APs) affected by permament land acquisition due to construction of new substations (2 substations), 34 vendors (139 APs) and 7 wage earners (22 Aps) to be temporarily affected due to overhead lines. In total, 47 affected households (186 persons) are identified for the draft RP at project preparation phase and number to be confirmed based on detailed design and project implementation phase.
- **Socio-Economic Survey (SES):** The SES covered 377 including 47 affected and 330 non affected households to collect overall socio-economic baseline of the project affected households and community.
- **Asset Inventory and Valuation:** An Inventory of Losses (IOL) was conducted, documenting all affected land and non-land loss, crops, and trees, irrespective of land ownership status. The preliminary valuation/estimation is carried out to determine compensation amounts based on current market rates, the government guidelines and land sale records to to meet full replacement cost.
- **Stakeholder Consultations:** Consultations were held with APs, local communities, government agencies, to incorporate their views into the draft RP.
- **Policy and Legal Framework Review:** The draft RP is prepared in accordance with ADB SPS and national laws, particularly the Acquisition and Requisition of Immovable Property Act (ARIPA) 2017.
- **Grievance Redress Mechanism (GRM):** The project level GRM) is proposed in the RP based on consultation with NESCO and local context. The GRM to be established to address effecently and adequately APs complaints related to social and environmental safeguards, and consultations and information disclosure.

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<sup>15</sup> A survey agency was hired by ADB to assist NESCO to undertake the surveys. The name of the survey agency is Sustainability and Safeguard Compliance Ltd. (SSCL), Bangladesh.

## **II. SCOPE OF LAND ACQUISITION AND RESETTLEMENT**

### **2.1 Introduction**

14. This chapter focuses on the project's potential resettlement impacts (e.g. impact on land, structures, trees, income or other livelihood and assets) identified through the census of AHs and Inventory of Losses (IOL) surveys. It provides an overview of the overall project impacts following details of impacts associated with each project component, including new substations construction, new overhead distribution lines, and other related infrastructure. The project has several components having constructions and augmentation works. Most of the project components are not expected to require land acquisition or involuntary resettlement (IR) impact because as proposed either on the government owned land or within the existing facilities of the NESCO. The IR impacts are mostly related to private lands that will be acquired for two new substations (out a total 4 new substations) and new overhead distribution lines (for latter at this stage it is found impact to be temporary as loss of income during construction).

15. The project IR impacts are assessed based on the field survey conducted in June 2024 for all components except the overhead distribution lines in May 2025 (as this component was added later). The survey included impact assessment of land and non-land assets and loss of income and livelihood. At this stage, it is identified six landowner households (total six landowner AHs, having 25 affected persons) due to permanent land impact for two substations, and 34 vendors and 7 wage earners as found at this stage to be affected temporary temporary during construction of the overhead lines (total 47 affected households and 186 persons). Overall, the project impact is anticipated to be not significant and no significant impact to any households, and no vulnerable affected households are identified at this stage. However, the the census of affected households to be updated and verified during the RP update, including on identification and verification of vulnerable households, all affected households if there are anymore and severity of impact.

### **2.2 Summary of Land acquisition and other resettlement impacts**

16. Permanent land impact will be for construction of new substations where private land will be acquired for two substations out of total six new substations. Activities such as substation renovation, bay extensions, switching station installations, construction of overhead distribution lines, workshops, installation of equipment and software, and the establishment of a central store will not require land acquisition. The overhead distribution lines will primarily be constructed along the existing 11kV lines and roadside that is a government land and within the designated existing line's right of way (RoW). All other components will be on land owned by NESCO/PGCB<sup>16</sup> found to be free of any encumbrance. When NESCO was formed under Bangladesh Power Development Board (BPDB) as an Enterprise of BPDB, since then those lands were handed over to NESCO. All NESCO owned lands have been transferred from BPDB to NESCO free of encumbrances to NESCO since 2016, therefore, lands were in possession of NESCO since 2016. Due diligence through field visits was conducted by NESCO and ADB Consultants, and confirmed that NESCO/PGCB own the land, and confirms no any past, present and future land acquisition and resettlement impact, and no legacy or any pending issues found in NESCO/PGCB owned lands assigned for the project. Details are provided in the Annex 6. Summary is in Tables 2.1 and 2.2 and impacts related to each project component is described below. Land requirements of each component are in Annex 2. Detailed due diligence and its findings records of each component is in Annex 6.

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<sup>16</sup> Powergrid Company of Bangladesh

Table 2.1: Summary Project Impacts by components

Component/	Unit	Qty	Resettlement Impacts
New Substation (AIS/GIS)	Nos.	6	Land: A total of 6 new substations will be constructed, requiring 1.737 acres of land. Out of this, 4 sites (0.577 acres) are owned by NESCO and 2 sites (1.16 acres) are on private land from 6 individual landowners. Structures: One semi-pucca godown (120 sq. ft.) at Kodomtola AIS at Pabna district owned by a landowner will be affected. A total of 114 trees which are privately owned by the land owners will be cut which will be compensated.
Substation Augmentation / Renovation (33/11 AIS)	Nos.	10	Land: Requires 4.74 acres of land, all owned by NESCO. No additional land acquisition is needed. Structures: No structures will be affected. Trees and crops: <sup>17</sup> A total of 38 trees (NESCO-owned) will be cut which are not to be compensated. No informal settlers are found. There is no IR or livelihood impact.
Substation Bay Extensions (Bay Breaker)	Nos.	14	Requires 0.216 acres of land, owned by NESCO/PGCB. No additional land acquisition is needed. No structures will be affected. A total of 49 trees (NESCO/PGCB-owned) will be cut which are not be compensated. No informal settlers are found. There is no IR and livelihood impact.
Substation Switching Station and Bay Extensions/33 KV Switching Substation (GIS)	Nos.	3	Requires 0.26 acres of land, owned by NESCO/PGCB. No additional land acquisition is needed. No structures will be affected. A total of 12 trees (NESCO/PGCB-owned) will be cut which are not be compensated. <sup>18</sup> No informal settlers are found. There is no IR and livelihood impact.
Substation Switching Station (GIS/AIS 33 kV)/ 33 KV Switching Sub Station Installation & Shifting (AIS)	Nos.	4	Requires 0.70 acres of land, owned by NESCO/PGCB. No additional land acquisition is needed. No structures, crops or trees will be affected. No informal settlers are found as per the assessment and due diligence undertaken during surveys
Overhead 33 kV Distribution Lines	KM	33.73	Temporary impacts in terms of loss of income for a maximum period of 7 days during construction which include include 34 vendors, and 7 wage laborers.
Workshops	Nos.	4	Requires 0.87 acres of NESCO-owned land. No additional land acquisition needed. No structures will be affected. A total of 54 trees will be cut which are not be compensated. No informal settlers are found. There is no IR and livelihood impact.
Equipment & Softwares	Nos.	3	No land is required, no structures or trees will be affected, as there is no civil work involved. The component involves only software and program updates and setup.
Solar Rooftop			No impacts as the installations will be on the rooftop of existing buildings

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

<sup>17</sup> No private trees and crops impact because all works will be undertaken within boundaries of the existing facility. This is augmentation work, and no additional land is required. No informal settlers or impacts on livelihood found.

<sup>18</sup> These are restricted zones, and no outsiders and activities are allowed. The number of trees is mentioned as may have environment impact, but trees will not be compensated (not part of the RP budget). This applies to all augmentation works, bay extension, switching stations etc. except the new substations and overhead lines.

Table 2.2: Sumamry of Impact for all components

#	Impacts	Unit	Quantity	No. of Affected Households
1	Total Land Requirement for new Substations	Acre	1.737	6
2	Private Land for new substations	Acre	1.16	6
3	Government/NESCO land for new substations	Acre	0.577	0
4	Agricultural land	Acre	1.16	6
5	Residential land	Acre	0	0
6	Commercial land	Acre	0	0
7	Community Land	Acre	0	0
8	Area under Crop Cultivation	Acre	0	0
9	Total Trees privately owned	Number	114	5
10	Including Fruit trees	Number	105	5
11	Includng Timber trees	Number	4	5
12	Other trees (Medicinal)	Number	5	5
13	Total Structures	Number	1	1
14	Residential Houses/Dwelling	Number	0	0
15	Commercial Structures/ Shops	Number	0	0
16	Secondary structure	Number	1	1
17	Social/ Community Infrastructure	Number	0	0
18	Structures needing Relocation	Number	0	0
19	Permanent Loss of income and livelihood	Number	0	0
20	Severely Affected Households (AH/APs)	Number	0	0
21	Vulnerable Households	Number	0	0
22	Total Affected Households (Permanent)	Number	6	6
23	Total Affected Persons (permanent)	Number	25	25
24	Male Affected Persons (permanent)	Number	11	11
25	Female Affected Persons (permanent)	Number	14	14
26	Temporary affected households in lines	Number	41 <sup>19</sup>	41
27	Total affected persons (Temporary)	Number	161	161
28	Overall affected households	Number	47	47
29	Overall affected persons	Number	186	186
30	Overall affected person (male)	Number	88	88
31	Overall affected person (male)	Number	98	98
32	Community natural resource	0	0	0
33	Crops area (per types of crops)	0	0	0

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

NOTE: The Table does not include land details for those components where constructions will be undertaken within the existing boundary of NESCO/PGCB such as augmentaion, bay breakers etc.

<sup>19</sup> 34 vendors and their 7 wage earners.

## 2.3 Impacts due to New Substations

17. A total of 6 new substations will be constructed, requiring 1.737 acres of land. Out of this, 4 sites (0.577 acres) are owned by NESCO. NESCO owned lands are in possession of NESCO since 2016 which were transferred from BPDB to NESCO at the time of formation of NESCO. NESCO owned lands are free of encumbrances and the lands are not used by any informal settlers or used for any livelihood activities as found by site visits. The remaining 2 sites (1.16 acres) will be on private land which will be acquired from 6 individual landowners/households. NESCO Board has yet to decide the modality of land acquisition, i.e. 1) land purchase (negotiated settlement through willing seller and willing buyer principles), or 2) involuntary land acquisition upon the project approval before the land acquisition process starts. This draft RP includes policy provisions and budget for both scenarios: 1) negotiated settlement and 2) involuntary land acquisition according to ADB SPS and laws of Bangladesh.

18. In case of negotiated settlement, NESCO will ensure that for any sites chosen for direct purchase, NESCO shall not opt for involuntary land acquisition if the negotiation fails. In this case NESCO will find alternate sites for negotiated land acquisition. NESCO confirms that had consultations with all six landowners of selected sites who are agreeing to sell their land for two substations subject to negotiation of land price. The landowners have alternate land in their possession, and they will not be severely affected and neither landless. The prime source of income of these households are reported to be large scale business. NESCO confirms consulted with owners who are willing to sell their land for substation construction. None of the affected households are found vulnerable<sup>20</sup>. The sites are located with adequate access roads and there will be no need of any widening or construction of access roads. One semi-pucca godown (120 sq. ft.) at Kodomtola AIS, Pabna owned by a landowner will be affected. A total of 114 private trees will be cut. Table 2.3 includes total of 6 landowners' households due to permanent land impact and 1 secondary structure. Details of affected households are in Annex 2.

Table 2.3: Number of Affected Households on new substations

	Component /AHs	Land only	Land, trees, secondary structure	Residential (squatter)	Crops	Total HH
	<b>New Substations</b>					
1	Chandipur S& DD-2, Rajshahi	0	0	0	0	<b>0</b>
2	Kodomtola (AIS) S&DD-1, Pabna (New Land)	0	5	0	0	<b>5</b>
3	S&D1 Campus (GIS), S & DD-1, Bogura	0	0	0	0	<b>0</b>
4	Campus S&D-1, NESCO, Rangpur (GIS) S & DD-1, Rangpur	0	0	0	0	<b>1</b>
5	Baharkasna (S&D-3), Rangpur	1	0	0	0	<b>0</b>
6	S&DD-1, office campus, Shuihari, Dinajpur	0	0	0	0	<b>0</b>
		0	0	0	0	<b>0</b>
	<b>Total</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>6</b>

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

<sup>20</sup> Not found vulnerability defined as woman-headed households, households with disabled persons, elderly, households living Below Poverty Line, landless household, non-titled household and IP household.

### 2.3.1 Impact on Land for Substation

19. A total of 1.737 acres of land is required for construction of 06 new substations. Of this, 2 new substations will be on private land (approximately 1.16 acres and 4 substations (0.577 acres) on lands owned by NESCO. Most of the private land at the pre-selected sites to be acquired consists of orchard and fallow land. Among the private land for two substations, Kodomtola (AIS) in Pabna is owned by 5 landowners, each losing 6–10 decimals, while Baharkasna, Rangpur substation is owned by 1 landowner losing more than 50 decimals (tables 2.4 and 2.5). None of the landowners are found to be severely affected or become landless and as per self-reported income they are not below poverty line<sup>21</sup> (tables 2.5 and 2.6).

Table 2.4: Total Land Required for New Substations, acre

Component Name	Required land	Type of Land	Private Land	NESCO Land	Acquisition
<b>New Substations (land in acre)</b>					
Chandipur S& DD-2, Rajshahi (2*20/26 MVA GIS SS)	0.06	Existing Store/Sub-station	0.00	0.05	0.00
Kodomtola (AIS) S&DD-1, Pabna (New Land) (2*10/13.33 MVA GIS SS)	0.60	Orchard	0.60	0.00	0.60
S&D1 Campus (GIS), S & DD-1, Bogura (2*20/26 MVA GIS SS)	0.057	Existing Store/Sub-station	0.00	0.06	0.00
Campus S&D-1, NESCO, Rangpur (GIS) S & DD-1, Rangpur (2*20/26 MVA GIS SS)	0.06	High Land/Fallow Land	0.00	0.05	0.00
Baharkasna (S&D-3), Rangpur (2*10/13.33 MVA AIS SS)	0.56	High Land/Fallow Land	0.56	0.00	0.56
S&DD-1, office campus, Shuihari, Dinajpur (2*10/13.33 MVA AIS SS)	0.40	High Land/Fallow Land	0.00	0.23	0.00
<b>Sub Total</b>	<b>1.737</b>		<b>1.16</b>	<b>0.577</b>	<b>1.16</b>

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

<sup>21</sup> Poverty line threshold is BDT 126,000 as annual income per household. According to the Bangladesh Bureau of Statistics (BBS), in the NESCO area, any household with an annual income below BDT 126,000 or USD 1,050 (based on an exchange rate of 1 USD = BDT 122) is considered vulnerable and below poverty line.

Table 2.5: Severity of Impacts

Component Name	Affected land Area (Acre)	AHs' Total Land holding (sqm)	% of loss from total land holding
New Substations (land in square meter)			
Kodomtola (AIS) S&DD-1, Pabna (New Land) (2*10/13.33 MVA AIS SS)			
Owner-1	0.08	0.82	9.76
Owner-2	0.08	0.82	9.76
Owner-3	0.08	0.82	9.76
Owner-4	0.08	0.82	9.76
Owner-5	0.08	0.82	9.76
Baharkasna (S&D-3), Rangpur (2*10/13.33 MVA AIS SS)			
Owner-6	0.56	7.00	7.41%

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

Note: 1 acre = 4046.86 square meter, In the Pabna GIS, five brothers – landowners have the same total landholding and land loss

Table 2.6: Income level of affected landowners self-reported

Component Name	Total yearly income (BDT)
<b>Kodomtola (AIS) S&amp;DD-1, Pabna (New Land) (2*10/13.33 MVA AIS SS)</b>	
Owner-1	240000
Owner-2	240000
Owner-3	240000
Owner-4	240000
Owner-5	240000
<b>Baharkasna (S&amp;D-3), Rangpur (2*10/13.33 MVA AIS SS)</b>	
Owner-6	5000000

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

Note: At the Pabna substation, all five landowners are engaged in the same business jointly and reported the same level of annual income.

### 2.3.2 Impacts on Structure due to new substation construction

20. One semi-pucca godown (120 sq. ft.) at Kodomtola AIS, Pabna, owned by a private landowner will be affected. All six households will be partially affected due to the loss of small portions of their land for substations, but none will require relocation, and no physical displacement is found to occur.<sup>22</sup> Compensation will be provided for economic displacement in accordance with the ADB SPS 2009 on involuntary resettlement requirements.

<sup>22</sup> Only one secondary structure will be affected due to land acquisition. None of the structures are used for residential use. Structures in the NESCO owned lands are government owned buildings and are not used by any informal settlers or used for any residential purpose. Therefore, those structures are not listed in the RP for impacts or budget. However, in the Annex, there is a mention of government structure in consistency with IEE. Dismantling of government structures/NESCO owned may have environment impact. Absence of informal settlers and no physical displacement was confirmed by each site was surveyed/visited, and assessment was undertaken through various surveys, inventory, IOL and due diligence and consultations.

### 2.3.3 Impact on trees due to new substation construction

21. A total of 114 private trees of 05 landowners in Kodomtola substation at Pabna substation will be affected. The project will require the removal of trees of various species and sizes, categorized by height as follows: big (>10 m), medium (5–10 m), and small (<5 m). Of the total, 114 private trees, 105 are fruit trees, 4 are timber trees and 5 are medicinal trees. Species wise tree details are described in Table 2.7.

Table 2.7: Trees to be affected by new substation Substations

Name of Trees	Type of Trees	Big	Medium	Small	Total Trees
Akashmoni	Wood	4	1	0	5
Neem Trees (Azadirachta indica)	Medicinal	0	5	0	5
Bettle Nut	Fruits	0	8	1	9
Cocunut	Fruits	0	0	3	3
Jujubi	Fruits	0	0	4	4
Guava	Fruits	0	9	1	10
Mango	Fruits	0	51	0	51
Papaya	Fruits	0	10	0	10
Blackbery	Fruits	0	5	0	5
Jambura Grapefruits	Fruits	0	4	0	4
Jackfruits	Fruits	0	0	3	3
Lemon	Fruits	0	2	3	5
<b>Total Trees</b>		<b>4</b>	<b>95</b>	<b>15</b>	<b>114</b>

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 2.3.4 Affected households and persons due to land acquisition

22. A total of 6 households will be affected due to permanent acquisition of private land for two substations. Total number of affected persons are 25 of which 11 is male and 14 is female (Table 2.8). None of them are either severely affected or fall under the severity of impact and not found vulnerable. Details of affected households and type of losses are in Annexure 3 and names of head of the affected households in Annexure 4.

Table 2.8: Affected households by new substations

SL	Name of the Components	No. of Affected Households			No. of Affected Persons		
		Male	Female	Total	Male	Female	Total
1	Kodomtola (AIS) S&DD-1, Pabna (New Land) (2*10/13.33 MVA AIS SS)	5	0	5	9	12	21
2	Baharkasna (S&D-3), Rangpur (2*10/13.33 MVA AIS SS)	1	0	1	2	2	4
	<b>Total</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>11</b>	<b>14</b>	<b>25</b>

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 2.4 Impact due to substation augmentation/renovation

23. A total of 10 substation augmentation/renovation works (33/11 kV AIS Substation Renovation) will be carried out at existing substations, requiring 4.74 acres of land, all owned by NESCO. No land acquisition is required for this component. No structures will be affected. No informal settlers are found to be affected. Summary details are in Table 2.9. Findings of the due diligence confirming no impacts is in Annexure 6.

Table 2.9: Total Land Required for substation augmentation/renovation (in acres)

#	Component Name	Required land	Type of Land	Private Land	NESCO Land	Acquisition
1	Fakirpara under S&DD-1, NESCO, Dinajpur,	0.50	NESCO Existing Sub-station	0.00	0.50	0.00
2	Balubari under S&DD-2, NESCO Dinajpur.	0.60	NESCO Existing Sub-station	0.00	0.60	0.00
3	Upasahar under S&DD-2, NESCO, Dinajpur,	0.480	NESCO Existing Sub-station	0.00	0.48	0.00
4	Setabgonj under ESU, NESCO, Setabgonj.	0.40	NESCO Existing Sub-station	0.00	0.40	0.00
5	Panchagarh substation under S&DD-Panchagarh.	0.45	NESCO Existing Sub-station	0.00	0.45	0.00
6	Katkipara under S&DD-2, NESCO, Rangpur.	0.40	NESCO Existing Sub-station	0.00	0.40	0.00
7	Mahigonj under S & DD-3, NESCO, Rangpur,	0.36	NESCO Existing Sub-station	0.00	0.36	0.00
8	Dhanghora under S&DD-2, NESCO, Gaibandha.	0.49	NESCO Existing Sub-station	0.00	0.49	0.00
9	Niamotpur under S&DD, NESCO, Saidpur, Nilphamari,	1.00	NESCO Existing Sub-station	0.00	1.00	0.00
10	Noyagola GIS S& DD-1, Chapainababgang (only Transformer) (2*20/26 MVA GIS SS) Upgradation	0.06	NESCO Existing Sub-station		0.06	0.00
	<b>Total in acre</b>	<b>4.74</b>		0.000	4.74	0.00

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

## 2.5 Impacts due to Substation Bay Extensions

24. The required land for this component is 0.216 acre, which is owned by NESCO. No land acquisition is needed. No structures will be affected, and no informal settlers are found to be affected. Construction will be undertaken within the existing facilities without requiring additional land.<sup>23</sup> Summary details are in Table 2.10. Findings of the due diligence confirming no impacts are in Annexure 6.

<sup>23</sup> Existing facilities have adequate access road as there is regular maintenance work. For the new construction in the existing facilities, there will be no need of additional access road or its expansion/widening.

Table: 2.10: Total Land Required for Substation Bay Extensions (in acre)

#	Component Name	Required land	Type of Land	Private Land	NESCO/PGCB Land	Acquisition
1	Nurpur grid, Pabna	0.03	PGCB Existing Sub-station	0.00	0.03	0.00
2	Jaynagar Grid, Ishwardi, Pabna (from T-3 Transformer)	0.018	PGCB Existing Sub-station	0.00	0.018	0.00
3	Natore Grid, Natore	0.006	Crop and High Land	0.00	0.006	0.00
4	Jaldhaka Grid, Nilphamari	0.012	PGCB Existing Sub-station	0.00	0.012	0.00
5	Amnura Grid, Chapainawabganj	0.012	PGCB Existing Sub-station	0.00	0.012	0.00
6	Sabgram Grid, Bogura	0.024	High/Fallow Land	0.00	0.024	0.00
7	Mohasthan Grid, Bogura	0.012	PGCB Existing Sub-station	0.00	0.012	0.00
8	Puran Bogura Grid, Bogura	0.006	PGCB Existing Sub-station	0.00	0.006	0.00
9	Dupchachiya grid, Bogura	0.03	NESCO Existing Sub-station	0.00	0.03	0.00
10	Naogaon Grid	0.018	NESCO Existing Sub-station	0.00	0.018	0.00
11	Golahat grid, Sayedpur, Nilphamari	0.018	PGCB Existing Sub-station	0.00	0.018	0.00
12	Taraganj grid SS	0.012	PGCB Under Construction Sub-station	0.00	0.012	0.00
13	Lalmonirhat Grid, Lalmonirhat	0.006	PGCB Existing Sub-station	0.00	0.006	0.00
14	Kurigram Grid, Kurigram	0.012	PGCB Existing Sub-station	0.00	0.012	0.00
	<b>Sub-total</b>	<b>0.216</b>		0.000	0.216	0.00

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

## 2.6 Impacts due to 33 KV Switching Substation (GIS)

25. The required land for this component is 0.26 acre, which is owned by NESCO. No land acquisition is needed. No informal settlers, structures and trees are found to be affected. Construction will be within the existing facilities without requiring additional land. Summary details are in Table 2.11. Findings of the due diligence confirming no impacts in Annexure 6.

Table: 2.11: Total Land Required for Substation switching and Bay Extensions (in acre)

#	Component Name	Required land	Type of Land	Private Land	NESCO Own Land	Acquisition
1	Rangpur (132/3 kV Rangpur)	0.08	Fallow Land	0.000	0.08	0.000
2	Kathakali 132 kV PGCB, Kathakali	0.10	NESCO Existing switching Station	0.000	0.10	0.000
3	Purbosadipur (PGCB Purbasadpur 230/132/33)	0.08	NESCO Existing switching Station	0.000	0.08	0.000
	<b>Sub-total</b>	<b>0.26</b>		0.000	<b>0.26</b>	0.000

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

## 2.7 Impacts due to 33 KV Switching Sub Station Installation & Shifting (AIS)

26. The required land for this component is 0.70 acre, which is owned by NESCO/PGCB.<sup>24</sup> No land acquisition is needed. No trees will be cut down, and no structures will be affected. No informal settlers are found to be affected. Construction will be within the existing facilities without requiring additional land. Summary details are in Table 2.12. Findings of the due diligence confirming no impacts in Annexure 6.

Table 2.12: Land Required for Switching station (bay construction, extension, shifting), acre

#	Component Name	Required land	Type of Land	Private Land	PGCB/ NESCO Land	Acquisition
1	Pabna AIS (only Panel Shifting)	0.10	PGCB Existing Sub-station	0.000	0.10	0.000
2	Hatibandha Grid(Under construction)	0.40	Fallow Land	0.000	0.40	0.000
3	Thakurgaon (PGCB Thakurgaon)	0.10	PGCB Existing Sub-station	0.000	0.10	0.000
4	Chapainawabganj (PGCB substation)	0.10	PGCB Existing Sub-station	0.000	0.10	0.000
	<b>Sub-total</b>	<b>0.70</b>		0.000	0.70	0.000

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

<sup>24</sup> This component is about switching station/bay extension etc which will either be within the NESCO or PGCB substation. Explanation on PGCB is in the previous section in a footnote (Powergrid Company of Bangladesh).

## 2.8 Impacts due to Overhead 33kv Distribution lines

27. The 33.73 km of overhead distribution lines 33 kV will be constructed using the existing lines RoW which is already there at 11 kV capacity. The same route will be used to construct the 33kV lines by replacing the existing poles. There will be no land acquisition for construction of lines as the lands belong to the government and lines will be along existing ROW and roadside. Some trees may need to be trimmed or cut and impact on any structure will be avoided, and unavoidable impact will be known upon the detailed alignment and design. There found 34 roadside vendors and their 7 wage earners/laborers at this stage to be affected temporary and lose income during construction if not possible to avoid. Any unavoidable impact to be compensated at replacement cost. There are some structures present adjacent to the line route as the lines were existing from long time. However, NESCO will ensure detailed design will put maximum efforts to avoid the structures (at present they found not to be affected as not in the ROW) by taking construction related mitigation measures, however this to be confirmed based on detailed design and resettlement impact assessment checklists filling up before implementation (NESCO considers any such impact will not be major and will be within the contingency cost 15% included in the draft RP). NESCO will ensure adequate construction related mitigation measures while undertaking the construction with adequate horizontal and vertical safety clearances as per national requirements and international standards, and the project EMP. The construction of the lines will be undertaken in phases where approximately 10 poles will be constructed per day where NESCO will take shutdown for those 10 poles. Following the construction of 10 poles, they will take up the next line slot. Therefore, the impacts are not expected scattered all over the 33.73 kilometers of line at the same time and expected to be mainly temporary. Summary of the lines and land ownership are in Table 2.13, number of affected vendors in Table 2.14 and affected wage earners in Table 2.15. List of affected vendors are in Annex 5.

Table-2.13: Land details of 33kv overhead distribution lines

#	Name of Line	Length (Km)	Type of Land	Ownership of Land	No.of Vendors
1	Nurpur Grid to BolorampurKodomtola Proposed Sub-station (8 km)	8	Road sight High land	Government	0
2	Chondipur to Miapur Grid, Rajshahi (8 km)	8	Road sight High land	Government	0
3	Rajshahi Link Line, Rajshahi (1 km)	1	Road sight High land	Government	0
4	Lalbag To Proposed Baharkasna Sub-station, Rangpur (11.6 km)	11.6	Road sight High land	Government	6
5	Lalbag to Shapla, S&D 1 Rangpur (1.9 km)	1.9	Road sight High land	Government	11
6	Puran Bogra Grid To Bogra S&D Campas -1, Bogura (2.9 km)	2.9	Road sight High land	Government	17
7	Dinajpur Interconnection line (0.33 km)	0.33	Road sight High land	Government	0
<b>Total</b>		<b>33.73</b>			<b>34</b>

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

Table-2.14: Number of Affected Vendors on 33kv Overhead Destitution lines

#	Name of the Components	No. of Affected Vendors			No of Affected Persons		
		Male Headed	Female Headed	Total HH	Male	Female	Total
1	Lalbag To Shapla 1.9 km	11	0	11	21	26	47
2	Lalbag To Baherkasna 11.6 km	6	0	6	12	12	24
3	Puran Bogra Grid To Bogra S&D Campas -1 (2,9 km)	17	0	17	32	36	68
	<b>Total</b>	<b>34</b>	<b>0</b>	<b>34</b>	<b>65</b>	<b>74</b>	<b>139</b>

Source: Census and IOL Survey by SSCL, June 2024 and May 2025

Table-2.15: Number of Affected Wage Earners on 33kv Overhead Destitution lines

SL	Name of the Components	No. of Affected Wage Earners			No. of Affected Population		
		Male Headed	Female Headed	Total HH	Male	Female	Total
1	Lalbag To Shapla 1.9 km	2	0	2	3	4	7
2	Lalbag To Baherkasna 11.6 km	1	0	1	1	0	1
3	Puran Bogra Grid To Bogra S&D Campas -1 (2.9 km)	4	0	4	8	6	14
	<b>Total</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>12</b>	<b>10</b>	<b>22</b>

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

## 2.9 Impacts due to workshops (new workshops)

28. The required land for this component (4 new workshops) is 0.87 acres, which is owned by NESCO. No land acquisition is needed. No structures will be affected. No informal settlers are found to be affected. Construction will be undertaken within the existing facilities without requiring additional land. Summary details are provided in Table 2.16. Findings of the due diligence confirming no impacts is provided in Annexure 6.

Table-2.16: Total Land Required for Workshop (in acre)

#	Component Name	Required land	Type of Land	Private Land	PGCB/ NESCO Land	Acquisition
1	Shalbagan, Rajshahi	0.30	NESCO Existing Workshop	0.000	0.30	0.000
2	ZRS, Bogura (Near Rest house)	0.24	High/Fallow Land	0.000	0.24	0.000
3	Lalbag, Rangpur	0.23	NESCO Existing Workshop	0.000	0.23	0.000
4	Dinajpur	0.01	NESCO Existing Workshop	0.000	0.01	0.000
	<b>Sub-total</b>	<b>0.87</b>		<b>0.000</b>	<b>0.87</b>	<b>0.000</b>

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

## 2.10 Impacts due to equipment and software

29. No land is required, no structures or trees will be affected, as there is no civil work involved. The component involves only software and program updates and setup.

## 2.11 Impacts due to Rooftop Solar systems

30. There will be no impact from the solar rooftop PV systems because the installation will be within the existing government and public buildings and will not require land and other impacts not identified. Summary findings are in Tables 2.17 and 2.18 and details of the due diligence in Annex 6.

Table-2.17. Impacts due to Solar Rooftop Components

### Rooftop solar information in Rajshahi Zone

#	School name and Address	Name of the Island	GPS LOCATION	Impact on IR
1	Asariadah Notungram Government Primary School	Asariadhaho, Godagari, Rajshahi	24.390824; 88.333041	None
2	Deyar Government Primary School	Asariadhaho, Godagari, Rajshahi	24.405991; 88.327796	None
3	Char Aamtola Khasmohol Government Primary School	Asariadhaho; Alaituli, Godagari, Rajshahi	24.386207, 88.338047	None
4	Deyar Manikchar High School (Junior School)	Asariadhaho; Alaituli, Godagari, Rajshahi	24.422614; 88.311439	None
5	Deyar Manikchar Boalmari Government Primary School	Asariadhaho; Alaituli, Godagari, Rajshahi	24.430996; 88.316610	None
6	Deyar Manikchar Government Primary School	Asariadhaho; Alaituli, Godagari, Rajshahi	24.431857, 88.316077	None
7	Diya Manikchak Paschimpara Govt Primary School	Asariadhaho; Alaituli, Godagari, Rajshahi	24.427763; 88.301645	None
8	Char Asariadah Kanapara High School	Asariadhaho; Alaituli, Godagari, Rajshahi	24.385651; 88.337613	None
9	Char Nowshera Government Primary School and High School	Asariadhaho; Alaituli, Godagari, Rajshahi	24.394681; 88.345952	None
10	Hunmantnagar Government Primary School	Asariadhaho; Alaituli, Godagari, Rajshahi	24.383052, 88.356415	None
<b>Community Clinic in Island Asariadoho &amp; Alaituli, Godagari, Rajshahi Zone</b>				
1	Bhubonpara Community Clinic, Ward No-04	Char Asariadoho, Godagari, Rajshahi	24.403909,88.326208	None
2	Deyar Manik Chok Community Clinic, Ward No-01	Char Asariadoho, Godagari, Rajshahi	24.4251109,88.305209	None
3	Alaituli Community Clinic. Alaituli Union Porisod, Ward No-09	Char Alaituli, Chapainababganj, Rajshahi	24.452609,88.323108	None
<b>Govt primary Schools/ Disaster Shelter in Godagari, Rajshahi Zone</b>				
1	Bidirpur Govt Primary School	Bidirpur, Pirijpur, Godagari, Rajshahi	24.399818,88.391155	None
2	Tirinda Govt primary School	Vatopara, Godagari, Rajshahi	24.458396,88.390972	None
3	Shahabdipur Govt Primary School	Shahabdipara, vatopara, Godagari, Rajshahi	24°26'30"N 88°21'56"E	None
4	Uttor Basudebpur Ponchobala Govt Primary School	Srimontopur, Godagari, Rajshahi	24.535716,88.314198	None
5	Godagari Model Primary School	Basedebpur, Godagari, Rajshahi	24.466390,88.320648	None
6	Godagari Sisuniketon Kagi School	Upozilla Chatter, Godagari, Rajshahi	24.471294,88.320475	None

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

Table 2.18. Rooftop solar information in Rangpur Zone

#	School name and Address	Address	GPS LOCATION	Impact on IR
1	(Tapur char Primary school) Tepakhoribari 2 No Dotola School	Tapur char, Dimla, Nilphomari, Rangpur Zone	25.827822, 89.631540	None
2	Tepakhoribari High School	Dimla, Nilphomari, Rangpur Zone	26.217865, 89.032532	
3	Char Khoribari Moddhopara Govt primary School	Dimla, Nilphomari, Rangpur Zone	26.216311, 89.0212281	None
<b>Govt primary Schools/ Disaster Shelter in Hatibandhai, Rangpur Zone</b>				
1	South Sindhurna Govt Primary School	South Sindhurna, Hatibandha, Rangpur Zone	26.105261, 89.125720	None
2	west bichandoi Govt primary School	hatibandha, Rangpur Zone	26.051449, 89.151069	None
3	Chor Goddimari govt primary school	chor goddamari, Hatibandha, Rangpur Zone	26.176344, 89.081783	None
4	North Parulia Govt primary School	North Parulia, Hatibandha, Rangpur Zone	26.095443, 89.131827	None
<b>Govt primary Schools/ Disaster Shelter in Kaliganj, Rangpur Zone</b>				
1	Babur Ali Public High School (4 Stroyed)	Bairati, Tushuander, kaliganj, Lalmonihat, Rangpur Zone	25.944411, 89.207569	None
2	Rudresswar High School and College (4 Stroyed)	Rudresswar, Kakina, kaliganj, Lalmonihat, Rangpur Zone	25.907167, 89.251473	None
3	Afjal Uddin Public High School (4 Stroyed)	Jamirbari, Chowdhuri Hat, kaliganj, Lalmonihat, Rangpur Zone	25.977625, 89.177873	None
<b>Govt primary Schools/ Disaster Shelter in Patgram, Rangpur Zone</b>				
1	Dhobolguri High School	Jongra, Patgram, Rangpur Zone	26.315192, 89.109128	None

Source: Census and IOL Survey by SSCL (survey agency hired by ADB), June 2024 and May 2025

### III: SOCIO-ECONOMIC INFORMATION AND PROFILE

#### 3.1 Introduction

31. The Socio-Economic Survey (SES) was conducted for 377 households including project affected and no-affected households in the project area, by random selection of households in the project areas considered to be customers and beneficiaries of NESCO. The sample 377 households includes 47 of affected households and 330 non-affected households in the project areas. For affected households, chapter 2 provides data on impact severity, vulnerability, and income level. This chapter provides a general socio-economic profile of the surveyed households in the project area. The average household size is 3.55, which is lower than the national average of 4.35 according to Bangladesh Bureau of Statistics (BBS) 2022, Bangladesh. Details are in Table 3.1.

Table 3.1: Households Gender Distribution in project area

SL	Category	Total
1	SES conducted on Households (including 330 non-affected HHs)	377
2	Number of total Population	1338
3	Average households Size	3.55

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

#### 3.2 Demographic Profile of Project Area

32. Demographic profile is analyzed as a part of socio-economic profile of the project area population. This comprises of gender profile and age-sex distribution of the project areas. It shows female members against 96.47% male head only 0.53% of the HHs are female headed. This is common in Bangladeshis same as most of the households' heads are male. Age ratio indicates that majority of the population are within the age limit of 15-59.

##### 3.2.1 Gender Distribution of Household Heads

33. Gender distribution of the surveyed households is in the table 3.2. It represents that two households are headed by females, while others are headed by male members. However, none of the project affected households out of total 47 identified are female headed.

Table 3.2: HH Gender Distribution in project area

#	Gender	Total	%
1	Male headed	375	99.47
2	Female headed	2	0.53
	Total HH	377	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.2.2 Age and Sex Distribution

34. Table 3.3 shows age-sex distribution of the surveyed households. It indicates population increases from the age group of 5-14. The most prominent age group is 15-59.

Table 3.3: Age-sex distribution of the surveyed households

SL	Age Group (Yrs)	Male		Female		Overall	
		No.	%	No.	%	No.	%
1	01 to 04	20	1.49	19	1.42	39	2.91
2	05 to 14	114	8.52	136	10.16	250	18.68
3	15-29	169	12.63	208	15.55	377	28.18
4	30-59	339	25.34	286	21.38	625	46.71
5	60-70	35	2.62	6	0.45	41	3.06
6	Above 70	5	0.37	1	0.07	6	0.45
	<b>Total</b>	<b>682</b>	<b>50.97</b>	<b>656</b>	<b>49.03</b>	<b>1338</b>	<b>100</b>

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.2.3 Gender Profile

35. Gender profile of the surveyed HHs table 3.4 shows the percentage of male populations are greater than female in the project area. Of the total surveyed households (1338 population), 50.82% are male and 49.18% are female. Total number of affected households is 47 which (estimated 186 affected persons) which includes 88 males and 98 females. The overall male-female ratio of the project area is 100:104, which shows that there are slightly more male than female population in surveyed households.

Table 3.4: Sex profile of surveyed households

Gender	Total	%
Male	680	50.82
Female	657	49.18
Total	1338	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3 Socio-Economic Profile of Project Area

36. Socio-economic profile of the project area is analyzed based on households size, religion, level of education, occupation, per capita income and marital status as given bellow.

### 3.3.1 Population by Religion

37. The religion distribution of the surveyed households is Table 3.5. The figure shows that majority of the households follow Islam religion, with some followers of Hindu religion. There are no other religious people were found during the survey period in the project area.

Table 3.5: Percentage of households by religion

SL	Household Type	Total	%
1	Islam	366	97.08
2	Hindu	11	2.92
	Total	377	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.2 Households Size

38. Table 3.6 indicates that majority of the surveyed households have 3 to 6 members, followed by households with 1-2 members, and less households have 7 members.

Table 3.6: surveyed households' size

SL	Number of household members	Total	%
1	1 to 2	41	10.88
2	3 to 4	274	72.68
3	5 to 6	58	15.38
4	7+	4	1.06
	Total	377	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.3 Education Level (7 Years and above)

39. The education level of the surveyed households is in table 3.7 and shows that primary and secondary education entrance is high. But the dropout rate is high as the number of people sharply decreases from secondary certificate achievers. Education rate is higher among male population than female. Also, illiteracy is higher among female population.

Table 3.7: Level of education of surveyed households

SL	Education Level	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Grade 1-5	201	15.02	229	17.12	430	32.14
2	Grade 6-10	186	13.90	228	17.04	414	30.94
3	SSC or equivalent	85	6.35	87	6.50	172	12.86
4	HSC or equivalent	71	5.31	53	3.96	124	9.27
5	Graduate or equivalent	39	2.91	14	1.05	53	3.96
6	Post graduate or equivalent	3	0.22	1	0.07	4	0.30
7	Never attended school/Un-educated	29	2.17	19	1.42	48	3.59
8	Child below 5 years	29	2.17	1	0.07	30	2.24
9	Hafez	38	2.84	23	1.72	61	4.56
10	Can Sign Only	1	0.07	1	0.07	2	0.15
	Total	682	50.97	656	49.03	1338	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.4 Primary Occupation

40. Primary occupation of the surveyed households is reported to be business and agriculture, followed by occupations as drivers, services, fishing and day labour etc. Many people especially women reported unemployed as housewives, students and aged persons.

Table 3.8: Primary Occupation of Population (15 years and above)

SL.	Occupation	Male	Male	Female	Female	Total	Total
		N	%	N	%	N	%
1	Agriculture	105	10.41	0	0.00	105	10.41
2	Service	40	3.96	0	0.00	40	3.96
3	House Wife	0	0.00	400	39.64	400	39.64
4	Business	150	14.87	3	0.30	153	15.16
5	Day Labour	2	0.20	0	0.00	2	0.20
6	Driver	56	5.55	0	0.00	56	5.55
7	Fishing	15	1.49	1	0.10	16	1.59
	Expatriate (Mason, Carpenter, Mechanic and Tailor)	40	3.96		0.00		0.00
8	Student	97	9.61	74	7.33	171	16.95
9	Unemployment	25	2.48	20	1.98	45	4.46
10	Aged Person	18	1.78	3	0.30	21	2.08
<b>Total</b>		<b>548</b>	<b>54.31</b>	<b>501</b>	<b>49.65</b>	<b>1009</b>	<b>100</b>

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.5 Income Status

41. The income level of the surveyed household show that the majority (40.58% (153)) earn between BDT 180,001 to 240,000, followed by 31.30% (118) in the BDT 126,001 to 180,000 range. About 17.51% (66) earn between BDT 240,001 to 360,000, while fewer percentages report higher income. Only 0.53% (2) of households' report earn above BDT 600,000, suggesting that most households have moderate income. According to the Bangladesh Bureau of Statistics (BBS), in the NESCO area, any household with an annual income below BDT 126,000 or USD 1,050 (based on an exchange rate of 1 USD = BDT 122) is considered vulnerable and below poverty line households.

Table 3.9: Annual Income level of surveyed households

SL	Level of Income (BDT)	Total	
		No.	%
1	Up to 126,000	14	3.71
2	126001 to 180000	118	31.30
3	180001 to 240000	153	40.58
4	240001 to 360000	66	17.51
5	360001 to 480000	10	2.65
6	480001 to 600000	14	3.71
7	Above 600000	2	0.53
	<b>Total</b>	<b>377</b>	<b>100</b>

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.6 Marital Status of the People

42. The data shows that most of the people are married followed by widowed females as 0.66%, and widowed, abandoned and divorced male population is negligible.

Table 3.9: Marital status of population in the project area

Marital Status	Gender	10-15	16-17	18-70	Above 70	Total
		%	%	%	%	%
Married	Male	0.00	0.00	34.64	0.42	35.05
	Female	0.00	0.00	33.06	0.00	33.06
Unmarried	Male	6.56	2.24	7.14	0.00	15.95
	Female	8.47	2.66	3.99	0.00	15.12
Widower/Widow	Male	0.00	0.00	0.16	0.00	0.17
	Female	0.00	0.00	0.59	0.08	0.66
Abandoned	Female	0.00	0.00	0	0.00	0.00
Divorced	Female	0.00	0.00	0	0.00	0.00
Total		15.03	4.90	79.58	0.50	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.7 Housing Infrastructure

43. The Housing condition of surveyed households is characterized by 49.34% Semi pucca, 21.49% Pucca and Tin Shed 38.99%, and Katcha households was found 1.86%.

Table 3.10: Housing condition of project area

House type	Number	Percentage %
Pucca house	81	21.49
Semi-pucca house	186	49.34
Tin shed	147	38.99
Katcha house	7	1.86
Thatched	5	1.33
Total	426	113.00

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.8 Household Amenities

44. **Water Facilities:** 97.35% of surveyed households (367 HH) reported that they get their water from private tube-wells. Only 2.65% of households (10 HH) use government water scheme for domestic needs. Table 3.11 shows the water sources for the surveyed households.

Table 3.11: Source of Water

SL	Type of Source	Drinking Water		Domestic needs	
		N	%	N	%
1	Private well/tube well	367	97.35	367	97.35
3	Government water scheme	10	2.65	10	2.65
	Total	377	100	377	100

Source: SES survey conducted by SSCL, June 2024

### 3.3.9 Sanitation Facilities

45. Out of the total surveyed households, majority reported have own toilets, while 48.54% (183) use pit toilets and 42.71% (161) have water-seal toilets. 7.69% (29), have their own flush toilets with a commode, indicating a more modern sanitation setup. Only 1.06% (4) of households share toilets with neighbors, highlighting a high level of private toilet ownership. Table 3.12 shows that most residents have access to individual sanitation facilities, though the prevalence of pit toilets indicate need for improvement for more hygienic options.

Figure 3.12: Sanitation facilities in the project area

SL	Toilet type	Number	Percentage %
1	Own flush toilet with commode	29	7.69
2	Own water-seal toilet	161	42.71
3	Own pit toilet	183	48.54
4	Toilet shared with a neighbor	4	1.06
	Total	377	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.10 Household Assets

46. Mobile phones being the most common household asset (45.25%) possessed by the surveyed household. Water motors (19.73%) and motorcycles (18.74%) are also significant, while push cycles account for 10.11%. Other assets, such as rickshaws, cars, and compressed natural gas (CNG) vehicles, are less common, with tractors being the least owned (0.12%). So, the below table reflecting a diverse range of ownership, though motorized vehicles remain relatively limited compared to mobile phones and essential utilities.

Table 3.13: Household asset possession

SL	Name of Assets	Total	%
1	Car/Van	12	1.48
2	Motorcycle	152	18.74
3	CNG	9	1.11
4	Rickshaw/Auto Rickshaw	24	2.96
5	Push cycle	82	10.11
6	Tractor	1	0.12
7	Water motors	160	19.73
8	Land telephone	4	0.49
9	Mobile telephone	367	45.25
	Total households surveyed	377	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.11 Land Ownership

47. Table 3.14 presents the land ownership of surveyed households in the project area. It was found, 71.88% (271) of households own land as hereditary while 19.89% (75) have purchased land, and 6.63% (25) reside on government or khas land. A small percentage lease land (0.80% (3)) or have a mix of government and private land (0.53% (2)), and only 0.27% (1) live on land owned by others.

Table 3.14: Land Ownership Type

SL	Ownership type	Number	Percentage %
1	Hereditary land	271	71.88
2	Purchased land	75	19.89
3	Government land/ khas land	25	6.63
4	Leased Land	3	0.80
5	Own and Government/Leased	2	0.53
6	In others person's	1	0.27
	Total	377	100

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.12 Government Schemes and Assistance

48. Various government schemes are available in Bangladesh such as vulnerable group feeding (VGF) for food security, freedom fighter allowance for those who are recognized by the government to have participated in the war for freedom, disability allowance, Old age allowance, Widow's allowance, humanitarian relief, and food for work. During the survey, most households (91.7%) reported that they did not receive any government assistance during the last 12 months, while other said they received government assistance, including VGF (3.5%), Widow's allowance (0.2%), Old age allowance (1.3%), Freedom Fighter allowance (0.4%), and agriculture subsidies received by only 2.9% of households.

Table 3.15: Status of Government Assistance

Government Assistance	Percentage (%)	No. of households
VGF	3.5	12
Widow allowance	0.2	1
Old age allowance	1.3	5
Freedom Fighter allowance	0.4	2
Agriculture subsidies	2.9	11
No Assistance	91.7	346
Total	100	377

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.3.14 Energy Use

49. Electricity is the main source of lighting for grid-connected households for 92.31% of surveyed households, while 7.43% of households use solar energy during load shedding. For cooking purposes, the sources of energy are firewood (36.60 %).

Table 3.16. Source of energy used by the HH for lighting purposes

SL	Source for Lighting	Total	%
1	Only Electricity	348	92.31
2	Only Electricity and Kerosene	1	0.27
3	Solar and Electricity	28	7.43
<b>Total</b>		<b>377</b>	<b>100</b>

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

Table 3.17: energy sources used by the HH for other domestic purposes

SL	Energy Source	Total	%
1	Grid Electricity and Gas	107	28.38
	Grid Electricity, Gas and Firewood	54	14.32
2	Gas and Firewood	78	20.69
3	Firewood/ Cowdung	138	36.60
<b>Total</b>		<b>377</b>	<b>100</b>

Source: SES survey conducted by SSCL (survey agency hired by ADB), June 2024 and May 2025

### 3.4 Role of Women and Gender Issues

50. The role of women alongside men is immense in the economic development of any country. Women play an important role in developing various sectors such as education, service, health, and culture, advancing equally with men. As per BBS Household data 2022, around 15.01% of women in the project area are engaged in employment, contributing to their family's income. Most women workers are employed in the agriculture sector, followed by the industry sector, with some engaged in the service sector. During the household survey with affected people, it was found that 46.80% of the total surveyed population were women. According to survey data, women's engagement in different sectors included housewives (39.64%), students (7.33%), and 1.42% were children below 4 years of age.

51. Women in the project areas make a significant contribution to the household economy. With presence of strong pressures from families to dissuade women from finding employment, they take a key role in livestock farming and feeding cattle, goats, and poultry. Home gardening is also important economic activity for women with produce used for both household consumption and marketing. Other economic activities conducted by women include agricultural labor, dressmaking, handicraft-making, and employment in apparel industries. Educated women are employed in both government and private sector jobs. Women's earnings are mainly used for children's education and clothes, to supplement household consumption needs, and to repay past debts. Some women also save money for emergencies or their children's future. In some communities, however, it was reported that women have to hand over their earnings to their husbands or get prior consent to spend own earnings.

52. The study found that women's roles in household decision-making are often limited, with most decisions made jointly by husbands and wives. However, financial matters and mobility are largely influenced by husbands, leaving women with less autonomy. While movement outside the home is often controlled by husbands, voting decisions tend to be more collaborative. Most households decide together on elections, with only a small percentage reporting that either spouse decides alone. Overall, joint decision-making is common, but men still dominate key aspects of women's independence.

53. During the socio-economic survey, three households headed by women were identified in the project area. In Bangladesh, it is common for men to be the heads of households. In rural parts of the country, women's participation in public matters is generally very low due to religious and cultural norms. Typically, women's roles within households are shared with their husbands. Women play a major role in household-level activities, the project is not anticipated to have adverse impact on women, and it does not cause any physical displacement or impact the livelihood of women. Consultation will continue to pay attention to women's concerns throughout the project lifecycle.

## **IV: INFORMATION DISSEMINATION AND STAKEHOLDER CONSULTATION**

### **4.1 Introduction**

54. Public consultation is required with affected people and stakeholders in the resettlement planning and project implementation. The stakeholders are given opportunities to provide views on project, potential impact, and development of mitigation measures. Potential environmental and social impacts of the project were discussed during consultations with affected people and communities in the project areas. Representatives of NESCO supported by ADB consultants responded to questions of people.

### **4.3 Process of Consultations**

55. The approach to consultations was meaningful. The process began with Public Consultation Meetings conducted in the project area. Special efforts were made to ensure participation of women. Both men and women actively participated, particularly in consultations with affected people and communities as primary stakeholders. Initial meetings were held with local government representatives (Union Parishad). The consultation process included individual and multi-stakeholders' meetings throughout the project areas. Stakeholders included landowners, local leaders, representatives from local administration, schoolteachers, and land revenue departments. Issues related to resettlement impact were discussed with affected people and communities. These included land acquisition and compensation policies, information about the project design, community support to the project, potential positive and negative impacts, anticipated project benefits, local health and safety concerns, and gender related issues, project level GRM, cut off dates and so on. Findings are summarized in the following sections and will be considered in the project implementation.

### **4.4 Key Stakeholders of the Project**

56. The stakeholders of the Project were identified through a 'stakeholders mapping exercise' conducted by the field survey team members. The exercise was done by categorizing the potential affected persons and communities. The identified primary stakeholders are the landowners and affected persons and communities. The secondary stakeholders included the public representatives and local government administration (e.g. Deputy Commissioners of the respective districts, Department of Agriculture (DAE), Department of Forest (DF), Bangladesh Railways, Bangladesh Water Development Board, Department of Fisheries, public representatives and Upazila level administration).

### **4.5 Public Consultation Meeting**

57. Public consultation meetings (PCM) were carried out during survey period from May to June 2024 and additional consultations were carried out during period May 2025 for added overhead lines component. Affected persons including landowners, vendors, wage earners and women were consulted through the meetings and focused group discussions (FGDs). A total of 92 consultations were undertaken (48 PCMs and 44 gender consultations) at various project components areas during the survey period from May to June 2024 and May 2025. The total number of participants were 1179 (617 men and 562 women). Summary findings are in Table 4.3 and detailed records of each consultation in Annex 7.

Table 4.1. Consultations Summary

#	Component Name	Quantity	No. of Consultations	Public Consultations			Gender Consultations			Total Participants
				No. of Consultations	Male	Female	No. of Consultations	Male	Female	
A	New Substations	6	12	6	70	7	6	9	62	148
B	Substation Augmentation/renovation (33/11 AIS Substation Renovation)	10	20	10	125	6	10	22	115	268
C	Substation Bay Extensions (Type Bay Breaker)	14	24	12	144	9	12	9	138	300
D	Substation Switching Station and bay Extension ((Type Bay Extension and Switching Station )/ 33 KV Switching Substation (GIS)	3	6	3	32	0	3	3	24	59
E	Substation switching Station (33 kv Switching station and bay construction, extension, shifting)/33 KV Switching Sub Station Installation & Shifting (AIS)	4	8	4	49	0	4	4	52	105
F	Overhead Distribution Lines (6 line 33.73KM)	7	14	9	89	7	5	3	88	187
G	Workshops	4	8	4	57	1	4	1	53	112
H	Equipment & Softwires	2	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>50</b>	<b>92</b>	<b>48</b>	<b>566</b>	<b>30</b>	<b>44</b>	<b>51</b>	<b>532</b>	<b>1179</b>
	<b>Total number of males</b>									<b>617</b>
	<b>Total number of females</b>									<b>562</b>

Table 4.2 : Locations and the Number of Participants at Public and Women’s Consultations

#	Component Name	Date	Location	Type of participants	Public Consultation		Gender Consultation		Total participants
					Male	Female	Male	Female	
<b>A New Substations</b>									
1	Chandipur S& DD-2, Rajshahi (2*20/26 MVA GIS SS)	20 and 29 May, 2024	Rajapara Thanarmor, Rajshahi	Housewife, Business, Mechanic, Service and Vanpolar	11	2	3	12	28
2	Kodomtola (AIS) S&DD-1, Pabna (New Land) (2*10/13.33 MVA GIS SS)	31-May-24	Bolorampur, Asutospur, Pabna	Housewife, Agriculture, Business, Service	13	3	1	14	31
3	S&D1 Campus (GIS), S & DD-1, Bogura (2*20/26 MVA GIS SS)	01-Jun-24	Near Shat matha, Sutrapur, Bogura City	Housewife, Agriculture, Business, Service	15	1	2	14	32
4	Campus S&D-1, NESCO, Rangpur Shapla (GIS) S & DD-1, Rangpur (2*20/26 MVA GIS SS)	01-Jun-24	Alamnagar, kotwali, Rangpur	Housewife, Agriculture, Business, Service and Student	11	0	1	7	19
5	Baharkasna (S&D-3), Rangpur (2*10/13.33 MVA AIS SS)	01-Jun-24	Shahebganj, Kotwali, Rangpur City	Housewife, Business, Service and Student	9	1	1	7	18
6	S&DD-1, office campus, Shuihari, Dinajpur (2*10/13.33 MVA AIS SS)	04-Jun-24	Suihari, Nayanpur, Dinajpur	Housewife, Agriculture, Business, Service and Student	11	0	1	8	20
<b>Sub Total</b>					<b>70</b>	<b>7</b>	<b>9</b>	<b>62</b>	<b>148</b>
<b>B Substation Augmentation/renovation (33/11 AIS Substation Renovation)</b>									
1	Fakirpara under S&DD-1, NESCO, Dinajpur,	04-Jun-24	Fakirpara, Kotwali, Dinajpur	Housewife, Business, Service and Agriculture	10	0	1	7	18
2	Balubari under S&DD-2, NESCO Dinajpur.	05-Jun-24	Balubari, Prannathpur, Kotwali, Dinajpur	Housewife, Business and Atu Driver	10	1	1	7	19

#	Component Name	Date	Location	Type of participants	Public Consultation		Gender Consultation		Total participants
					Male	Female	Male	Female	
3	Upasahar under S&DD-2, NESCO, Dinajpur,	05-Jun-24	Upasar-6, Shekhpara, Kotwali, Dinajpur	Housewife, Business, Atu Driver and Student	9	0	2	8	19
4	Setabgonj under ESU, NESCO, Setabgonj.	05-Jun-24	Dhantola, Buchaganj, Dinajpur	Housewife, Business, Atu Driver, Service and Student	12	0	1	9	22
5	Panchagarh substation under S&DD-Panchagarh.	10-Jun-24	Mithapokur, Dhakkamara Panchgarh	Housewife, Business and Agriculture	15	0	2	15	32
6	Katkipara under S&DD-2, NESCO, Rangpur.	02-Jun-24	Katkipar, Shatgarah, Kotwali, Rangpur	Housewife, Business, Mechanic, Service, Agriculture & Student	8	0	9	13	30
7	Mahigonj under S & DD-3, NESCO, Rangpur,	01-Jun-24	Nasniya, Kotwali Rangpur	Housewife, Business, Service, Agriculture, Driver, labour & Student	15	0	1	8	24
8	Dhanghora under S&DD-2, NESCO, Gaibandha.	04-Jun-24	Dhangora, Bollomjar, Gaibandha	Housewife, Business, Service and, Agriculture	14	0	1	14	29
9	Niamotpur under S&DD, NESCO, Saidpur, Nilphamari,	04-Jun-24	Niamatpur, Saidpur Sadar, Nilphamari	Housewife, Service, Shopkeeper, Farmer, Driver and unemployment	13	0	1	14	28
10	Noyagola GIS S& DD-1, Chapainababgang (only Transformer) (2*20/26 MVA GIS SS) Upgradation	10-Jun-24	Noyagola, Noyagola sadar, Chapainawab ganj	Housewife, Business, Mechanic, Service, Atu Driver & Student	19	5	3	20	47
	<b>Sub-total</b>				<b>125</b>	<b>6</b>	<b>22</b>	<b>115</b>	<b>268</b>
<b>C</b>	<b>Substation Bay Extensions (Type Bay Breaker)</b>								

#	Component Name	Date	Location	Type of participants	Public Consultation		Gender Consultation		Total participants
					Male	Female	Male	Female	
1	Nurpur grid, Pabna	11-Jun-24	Nurpur, Radhanagar, Pabna	Housewife, Business, Mechanic, Atu Driver, Rikshow Driver and Student	9	0	2	7	18
2	Jaynagar Grid, Ishwardi, Pabna	09-Jun-24	Jaynagar wapda, jaynagar, Iswardi, Pabna	Housewife, Business, Service and Student	10	0	2	7	19
3	(from T-3 Transformer)	10-Jun-24	Jhawel, Kodda, Sirajganj	Housewife, Business, Mechanic, Atu Driver, Rikshow Driver and Student	11	0	0	8	19
4	Natore Grid, Natore	10-Jun-24	Siyalkol, Sadar thana, Sirajganj	Housewife, Business, Mechanic, Atu Driver, Rikshow Driver and Student	13	0	1	8	22
5	Amnura Grid, Chapainawabganj	11-Jun-24	Amnura, Jhilim, Chapainawabganj	Housewife, Business, and Student	10	0	1	8	19
6	Sabgram Grid, Bogura	02-Jun-24	Chakalam, Sabgram, Bogura Sadar, Bogura	Housewife, Business, Service and, Agriculture	14	1	2	15	32
7	Mohasthan Grid, Bogura	02-Jun-24	Hatibandha, Nagarkandi, Raynagar, Shibganj Bogura	Housewife, Business, Service and, Agriculture	13	1	0	15	29

#	Component Name	Date	Location	Type of participants	Public Consultation		Gender Consultation		Total participants
					Male	Female	Male	Female	
8	Puran Bogura Grid, Bogura	02-Jun-24	Puran Bogura, Bogura Sadar, Bogura	Housewife, Business, Service and, Agriculture	12	4	0	14	30
9	Dupchachiya grid, Bogura	03-Jun-24	Jagonathnagar, Dupchachiya, Bogura	Housewife, Business, Service and, Agriculture	12	0	0	14	26
10	Naogaon Grid	03-Jun-24	Pirojpur, Naogaon Sadar, Naogaon	Housewife, Business, Service	13	1	0	14	28
11	Golahat grid, Sayedpur, Nilphamari	07-Jun-24	Golahat, Saidpur Sadar, Nilphamari	Housewife, Business, Service, Agriculture and Driver	14	2	0	14	30
12	Taraganj grid SS	05-Jun-24	Bolabari, Ikorchali, Taraganj, Rangpur	Housewife, Business, Service and, Agriculture	13	0	1	14	28
<b>Sub-total</b>					<b>144</b>	<b>9</b>	<b>9</b>	<b>138</b>	<b>300</b>
<b>D</b>	<b>Substation switching station and Bay Extensions (Type bay Extension and Switching Station)/ 33 KV Switching Substation (GIS)</b>								
1	Rangpur (PGCB 132/3 kV Rangpur)	01-Jun-24	Alam nagar, Kotwali, Rangpur	Housewife, Business, Service, and Student	9	0	1	8	18
2	Kathakali 132 kV PGCB, Kathakali	10-Jun-24	katakali, Som sadipur, Rajshahi	Housewife, Business, Service and, Ato Driver	11	0	1	8	20
3	Purbosadipur (PGCB Purbasadpur 230/132/33)	04-Jun-24	Purbo Sadipur, Baldanga, Sundarpur,	Housewife, Business, Service, Agriculture and Student.	12	0	1	8	21

#	Component Name	Date	Location	Type of participants	Public Consultation		Gender Consultation		Total participants
					Male	Female	Male	Female	
			Kaharul, Dinajpur						
	<b>Sub-total</b>				<b>32</b>	<b>0</b>	<b>3</b>	<b>24</b>	<b>59</b>
<b>E</b>	<b>Substation switching Station Installation &amp; Shifting (AIS)</b> (33 kv Switching station and bay construction, extension, shifting)/ <b>33 KV Switching Sub Station</b>								
1	Pabna AIS (only Panel Shifting)	02-Jun-24	Nurpur, Radhanagar, Pabna	Housewife, Business, Service and, Agriculture	14	0	0	14	<b>28</b>
2	Hatibandha grid,	05-Jun-24	Romoniganj, Hatibandha, Lalmonirhat	Housewife, Business, and Service	14	0	1	14	<b>29</b>
3	Thakurgaon (PGCB Thakurgaon)	06-Jun-24	Sit Chilagong, Sadar thana, Thakurgaon	Housewife, Business, Service, Ato Driver and Student.	11	0	2	16	<b>29</b>
4	Chapainawabganj (PGCB substation)	10-Jun-24	Horipur, Sadar Thana, Chapainawab ganj	Housewife and Business	10	0	1	8	<b>19</b>
	<b>Sub-total</b>				<b>49</b>	<b>0</b>	<b>4</b>	<b>52</b>	<b>105</b>
<b>F</b>	<b>Overhead 33kv Lines</b>								
1	Nurpur Grid to Bolorampur Kodomtola Proposed Sub-station	23 and 24 April-2025	Arifpur, Nurpur and Bolarampur, Pabna Sadar, Pabna	Housewife, Business, Service, Driver, Rickshw vanpollar, Agriculture, Retired and unemployed	24	1	1	13	<b>39</b>
2	Chondipur to Miapur Grid, Rajshahi Rajshahi Link Line, Rajshahi	25 and 26 April-2025	Kazihata, Mollapara, and Khirshen, Upazila: Rajshahi city and Paba, Dist: Rajshahi	Housewife, Business, Service, Driver, Rickshw vanpollar and Agriculture	32	2	1	12	<b>47</b>

#	Component Name	Date	Location	Type of participants	Public Consultation		Gender Consultation		Total participants
					Male	Female	Male	Female	
3	Lalbag To Proposed Baharkasna Sub-station, Rangpur	27 and 28 April-2025	Lalbagh, Baharkasna and Tajhata, Rangpur City, Rangpur	Housewife, Business, Service, Driver, Rickshw vanpollar, Agriculture, Retired and unemployed	31	1	1	13	46
	Lalbag to Shapla, S&D 1 Rangpur	29-May-24	Alamnagar, Ward-21, Rangpur Sadar	Housewife, Business, Service, Driver, Rickshw vanpollar and Agriculture	11	2	1	12	26
4	Puran Bogra Grid To Bogra S&D Campas -1, Bogura	29-Apr-25	Malgram and Seujgari, Bogura Sadar, Bogura	Housewife, Business, Service, Driver, Rickshw vanpollar and Agriculture	13	2	2	13	30
5	Dinajpur Interconnection line	26-Apr-25	4-No Ward, Noyonpur, Uttar Gusaipur, Dinajpur Sadar	Housewife, Business, Service, Driver, Rickshw vanpollar and Agriculture	16	1	0	0	17
	<b>Total 33kv Lines</b>				<b>127</b>	<b>9</b>	<b>6</b>	<b>63</b>	<b>205</b>
<b>G</b>	<b>Workshops</b>								
1	Shalbagan, Rajshahi	29-May-24	Powerhouse road, Chotobagan, Chandima, Rajshahi	Housewife, Service, Electrician and line man	11	0	0	12	23
2	ZRS, Bogura (Near Rest house)	01-Jun-24	Puran bogura, Malgram, Bogura	Housewife, Business, Service, and Agriculture	13	0	0	14	27
3	Lalbag, Rangpur	01-Jun-24	Alam nagar, Kotwali, Rangpur	Housewife, Business, Service and Student.	9	1	1	7	18

#	Component Name	Date	Location	Type of participants	Public Consultation		Gender Consultation		Total participants
					Male	Female	Male	Female	
4	Dinajpur	05-Jun-24	Balubari, Prannathpur, Katwali Dinajpur	Housewife, Business, and Auto Driver	10	0	0	7	17
	<b>Sub-total</b>				<b>43</b>	<b>1</b>	<b>1</b>	<b>40</b>	<b>85</b>
<b>H</b>	<b>Buildings, Equipment &amp; Softwires</b>								
1	Disaster Recovery Center, Lalbagh		Lalbagh, Rangpur		0	0	0	0	0
2	Data Centre Expansion		Lalbagh, Rangpur		0	0	0	0	0
	<b>Sub-total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Grand Total</b>				<b>566</b>	<b>30</b>	<b>51</b>	<b>532</b>	<b>1179</b>

## 4.7 Consultations summary

58. NESCO discussed with the stakeholders about the proposed project interventions and the process for people participation in preparing the draft RP. People of the project area learned about the proposed project from the officials of NESCO and consultants who frequently visited the project area. People were consulted and discussed potential impacts of the project. Summary of issues is in Table 4.3.

Table 4.3: Summary of Public Consultation Meetings

Key Issues	Concerns raised	Response from the NESCO
Requests for fair and timely compensation and additional support	Communities requested NESCO ensure prompt and fair compensation, provide priority in project job, concessional loans, free electricity connections, and vocational training to diversify livelihoods.	NESCO committed to providing compensation at full replacement cost, in line with both the ARIPA 2017 and ADB Safeguard Policy Statement (SPS). If the statutory rates were found to be lower than market values, the difference would be paid by the project. NESCO also clarified that if there is direct purchase of land, the same will be through a negotiated settlement with an agreed transparent process between the landowners and NESCO. Preference for employment in project activities were also pledged.
Concerns over agricultural land use and trees cut down	Farmers raised concern that during the installation of distribution lines, there would be limit of land use, making it difficult to use tractors or farm machinery, and reducing productivity; loss of income due to the removal of fruit-bearing and timber trees, and limited access to parts of their land during civil works.	NESCO stated that compensation for all such losses—including temporary land use impact, crop damage, and tree removal—will be paid at replacement cost. Tree owners will also be allowed to retain timber. NESCO also confirmed that 33 kV overhead lines will be constructed within the existing RoW of NESCO where 11 kV lines are already existing <sup>25</sup> and hence, there will be no additional land required for the lines and there will be no permanent impact. Contractors will take appropriate mitigation measures to avoid and minimize impacts during construction and unavoidable impact to be compensated.
Demands for compensation above mouza rates and access to alternate land	Affected households requested compensation above government rates (mouza) to ensure that they can buy similar quality land.	NESCO confirmed that compensation will be paid at the full replacement cost, not just government-assessed (mouza) rates. Any gap between mouza rates and market value will be covered by the project. This approach ensures fair and transparent dealing of all affected landowners.
Concerns over land productivity and devaluation due to overhead distribution lines	Communities voiced that land under or near distribution lines would lose value and fertility, making it difficult to sell or maintain regular yields.	NESCO clarified that the existing roads and the existing 11 kV routes will be used for construction of distribution lines. NESCO acknowledged these concerns and promised that if such impacts occur during construction, mitigation measures will be adopted. Also, NESCO clarified that the overhead lines will not pass through any productive agricultural land

<sup>25</sup> NESCO confirms to will follow the same existing RoW. Even the 11 kV poles will be replaced with new poles having more heights where both 11 kV and 33 kV lines will be fixed on the same pole.

<b>Key Issues</b>	<b>Cocerns raised</b>	<b>Response from the NESCO</b>
Worries about common property resources (CPRs) such as schools, mosques, and graveyards	Local leaders emphasized the importance of protecting or fairly compensating for impacts on CPRs. They requested that early notice be provided before any works affecting these structures begin.	NESCO stated that it would avoid affecting CPRs where technically feasible. If unavoidable, it will consult the community to relocate or reconstruct such facilities and will ensure that compensation and support are provided in line with ADB SPS. Early notification will be provided systematically before beginning any work near CPRs.
Health, safety, and environmental concerns during construction and operation	Several participants were worried about potential electrocution, fires, and tree or crop damage due to distribution lines, especially during natural disasters. They also raised concerns about air and noise pollution, dust, traffic congestion, and road damage caused by transporting construction materials.	NESCO assured that all contractors will be required to follow rigorous safety and environmental standards. Civil works will be scheduled to avoid peak agricultural seasons. Construction sites will be fenced, and conductors will be strung with appropriate safety buffers. Dust suppression, traffic management, and noise control measures will be enforced. NESCO officers will supervise contractors to ensure compliance with these standards. NESCO ensures strict adherence to the construction standards and clauses as stated in the environment management plan.
Drainage disruption and waterlogging risks due to landfilling	Residents expressed that landfilling for substations might block natural drainage systems and increase risks of waterlogging and flooding in adjacent lands.	NESCO committed to conducting environmental impact assessments and incorporating drainage planning into engineering designs to prevent such hazards. Any identified risks will be mitigated through technical solutions before and during construction.
Protection of local utilities and water sources	Concerns were raised about the risk of damage to water pumps, utility lines, and other essential services during construction.	NESCO reassured that no existing utility service or water infrastructure would be damaged intentionally. If any disruptions do occur, they will be promptly restored at the project's expense.
Concerns about labor influx and associated social risks	Communities feared that a sudden influx of outside laborers could lead to social problems, including drug use, harassment, and gender-based violence.	NESCO and its contractors will minimize labor influx by hiring locally as much as possible. All contractors will be required to enforce a strict code of conduct, and awareness programs will be held for workers and community members. The project level Grievance Redress Mechanism (GRM) will be established to address complaints quickly and transparently.
Affected Landowners' support and willingness to sell the land and their related to	Landowners (two substations where private lands) expressed support of the project; willing to sell their land either through acquisition or	NESCO assured that all compensation payments will be processed through the DC's office in case of involuntary acquisition of and compensation will be paid directly via cheque to the affected individuals or their legal representatives, to eliminate opportunities for corruption or interference. The compensation will be based on the current mouza rate with a 200% additional solatum to

<b>Key Issues</b>	<b>Concerns raised</b>	<b>Response from the NESCO</b>
compensation process	direct purchase, but . expressed concerns for possible delays in payment of compensation in case of acquisition or purchase (e.g. NESCO being a government agency may need time for necessary internal approval); fair compensation, and transparent and accessible compensation process.	make it a replacement value. All non land asset will also be compensated. NESCO further apprised that in case of direct purchase it will be not forceful and all conditions will be mutually agreed between NESCO and the landowners. NESCO also clarified that no construction will be started unless the compensation is paid.
Concerns about impacts on small businesses and traffic	Small vendors feared loss of business during construction due to roadblocks, reduced customer access, or temporary relocation.	NESCO committed to taking all feasible steps to reduce business disruption, provide access, including temporary relocation support if needed, and compensation for loss of income. Contractors will follow a traffic management plan to minimize risk inconvenience to residents and businesses.
Request for local employment and support for temporarily displaced vendors	Participants requested that local unskilled labor be employed during project construction and that vendors may temporarily be affected in in normal operation	NESCO agreed that priority will be given to local laborers and affected persons for all project-related employment opportunities. Any disruption in terms of loss of income <sup>26</sup> or disruptions will be assessed on case to case basis and the vendors will receive compensation for the income losses for that particular period of disruption.

<sup>26</sup> NESCO confirms relocation of vendors who found mobile is not required as they can shift to other spots and side of the roads when construction starts. Also, construction will be planed in phases where approximately 10 poles will be erected in a day and then they will move to another 10 poles. So, the disruptions will not be on the entire stretch of 33.73 kilometers of line at the same time and mobile vendors can continue works.

## 4.8 Summary of gender consultation

59. Total 541 female joined in 45 gender consultations meetings/focus group discussions. The summary of discussions is presented in the below table.

Table 4.4: Summary on Gender Consultations

Issues	Women's Views and Perceptions <sup>27</sup>	NESCO Response
<b>General Perception about the Project</b>	Approximately 406 (75%) of the women interviewed were aware of the power project. They expressed optimism that its successful implementation would lead to more reliable and uninterrupted electricity supply at home, which would in turn benefit household activities and stimulate local businesses. Many women believed that a steady power supply could improve daily life and increase economic opportunities in the community.	NESCO plans to conduct additional consultations specifically targeting women during the update and implementation phases of the Resettlement Plan (RP) and the project. This will ensure women are fully informed and engaged throughout the project's lifecycle.
<b>Primary Occupation of Women</b>	Women in the affected areas primarily manage household chores and participate in seasonal agricultural activities, including planting, harvesting, and collecting crops. Several women also run small-scale businesses from their homes, such as making bamboo baskets, preparing pickles, and operating small shops. <sup>28</sup> These activities form an important part of the household income.	NESCO has committed that the project activities will not interfere with the current occupations and livelihood practices of women. Measures will be taken to ensure that their income-generating activities continue without disruption.
<b>Views on Importance of Education</b>	Almost all women highlighted the critical importance of education for both boys and girls. They emphasized that education is essential for accessing better jobs and livelihood opportunities. For girls, education was also viewed as important for improving their prospects in marriage and social status. Despite limited access to higher education facilities locally, women recognized the value of education at all levels.	NESCO confirmed that the project would not negatively impact educational activities or access. Efforts will be made to ensure that educational services remain unaffected throughout the project period.
<b>Availability and Quality of Educational Facilities</b>	Primary schools were available in nearly every village, and some villages had access to secondary schools nearby. However, higher education institutions like colleges and polytechnic educational centers are often located far away in towns, with no public transportation options available. Parents typically had to arrange private transportation, posing challenges to continuing education beyond secondary school.	NESCO reassured that existing educational facilities would be preserved and that no project-related activities would hinder access to schools or colleges.
<b>Barriers to Higher Education</b>	Many women reported that dropout rates increase after secondary school, largely due to the distance to colleges and lack of affordable transportation and hostel facilities. Economic hardship was also cited as a major reason why some children, especially girls, could not pursue further studies.	NESCO acknowledged that these are socio-economic issues beyond the scope of the project and fall under the responsibility of the education sector authorities.

<sup>27</sup> All the six affected landowners are male headed households and the ownership lies with the men. They do not have any concern in accepting the compensation money on the name of the head of the affected households. Also, the impacts are not significant and that's why it is not a concern for women. Regarding the involvement in project constructions, works often require skills which women lack due to limited opportunities in conventional society. Also, contractors will arrange its own workers, and the scale of construction is low, therefore, opportunity for women employment in project construction work expected to be limited.

<sup>28</sup> The project is not expected to affect adversely women occupation and economic activities.

<b>Issues</b>	<b>Women's Views and Perceptions<sup>27</sup></b>	<b>NESCO Response</b>
<b>Wage Inequality Between Men and Women</b>	Women expressed concerns about receiving lower wages than men for similar work, especially in agriculture and non-agricultural labor, including construction. <sup>29</sup> The wage gap was attributed to perceptions about physical effort and gender roles. Women felt this disparity undermined their contribution and economic independence.	NESCO assured that for any project-related labor, women will receive equal pay as men for equal work, aiming to promote gender equality in employment.
<b>Women's Role in Household Decision-Making</b>	Most women reported having equal say with male family members on important household decisions, including those related to children's education, health, and financial matters. Cultural practices granting women rights to property and inheritance were seen as empowering and influential in decision-making processes. Working women especially noted their significant control over how their income is used.	No specific response required, as this reflects existing social norms. NESCO recognizes and respects women's decision-making roles in families.
<b>Public Health Facilities and Service Quality</b>	Basic health services, such as sub-centers and Primary Healthcare Centers (PHCs), are available in most villages. However, many facilities suffer from inadequate infrastructure, and most PHCs lack female doctors, leading to continued reliance on home births. More comprehensive healthcare services are accessible only in nearby towns, making access difficult for some women.	NESCO clarified that healthcare provision is outside the project's mandate and will be addressed by health authorities. The project will not interfere with existing health services.
<b>Common Health Concerns</b>	Women reported that chronic diseases such as high blood pressure and diabetes are common in their communities. In some villages, malaria remains a concern. Allopathic medicine is the preferred treatment method for these ailments.	NESCO confirmed that the project will not cause any health risks or hazards due to its limited scale of construction activities.
<b>Incidence of Domestic Violence</b>	Most women stated that domestic violence was not prevalent in their communities, although minor disagreements between spouses occurred. A few noted that alcohol use by some men sometimes led to tensions, but these did not usually escalate into violence.	NESCO recognizes the importance of social awareness and community well-being and supports the need for ongoing education and prevention programs addressing domestic violence.
<b>Overall Observations</b>	Women in the project area are hardworking and actively contribute to household and community economy.	

60. The key request received during consultations are: (i) Proper compensation due to loss of trees and crops during construction works; (ii) Proper compensation for loss of income by the vendors if not avoided (iv) Homestead should be avoided during stringing cables from substations; (v) Local people should be engaged in the construction activities, by employing them; (vi) Ensuring smooth electricity supply; (vii) Reducing the load shedding during irrigation period at village level, (viii) Ensure community health safety issues during construction period

<sup>29</sup> Women employment in construction works is rare in Bangladesh due to social gender roles and also women often lack skills for skilled works. The issue was discussed in a broader perspective.

#### **4.10 Consultation and Participation during Project Implementation**

Consultation will be continued through the entire project cycle. NESCO through its PMU, and to be established ESU and with support of the PIAC will ensure meaningful consultations and engagement of affected households, communities and other stakeholders throughout the Project implementation. NESCO/PMU will ensure disclosure of the project information such as the cut-off-dates, valuation procedures, project related impacts, specific entitlements of the affected persons, compensation procedures, grievance redress procedures and dates of the commencement of civil works to affected people and stakeholder; and continued consultation of APs throughout the project cycle to minimize/avoid adverse impacts of the project in the final engineering designs through various approaches tasks.<sup>30</sup>

#### **4.13 Disclosure of the RP**

61. NESCO will disclose the draft RP in a summarized form as an information brochures t in Bangla/local language to the APs and communitie upn endorsement of NESCO and ADB clearance (including contact information for any issues or grievances). Copies of the draft and updated RPs and information booklets will be available in Deputy Commissioner's offices in the sub-districts (Upazilas) for public and civil society members. Potential impact of the project on APs and communities, ADB SPS principles for mitigation of adverse social impacts, entitlement matrix and GRM will be disclosed to the APs and communities. Meaningful consultations will be arranged by NESCO with APs for enabling their informed participation in updating, implementing, and monitoring of the RP. The draft RP endorsed by NESCO and cleared by ADB disclosed on the websites of ADB and NESCO. The updated RP (or RP addendums as applicable) during project implementation and as per the detailed design will be disclosed in websites of ADB' and NESCO. The monitoring reports on RP implementation and social safeguards will be posted on the ADB website.

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<sup>30</sup> This can include but not limited to activities as such: (i) Organize meetings with affected persons and other stakeholders e.g. members of union parishad, upazila nirbhai officers etc. to inform about final engineering designs, GRM, land acquisition process and entitlements and payment of compensation, (ii) consult the affected persons and other stakeholders to about the project designs, and entitlements and other benefits to affected persons, (iii) Liaise with the office of the Deputy Commissioner to verify the status of land acquisitions and communicate the same information to the affected persons, (iv) Conduct consultations with affected persons and other stakeholders to elicit their views and suggestions to revise and to update the resettlement plan, (v) Share the final resettlement plan with the affected persons and other stakeholders, (vi) Hold periodic meetings with the affected persons and other stakeholders to review any unanticipated or indirect impact and issues on the implementation of resettlment plan, (vii) Assist the affected persons to access necessary information, prepare documentation related to land acquisitions and receive compensation and other resettlement assistance and other project related benefits, (viii) Organize public meetings and appraise the communities about the progress of project implementation and the implementation of social safeguards such as payment of compensation and other assistance to be provided, (ix) A regular update of the progress of the resettlement component of the project is placed for public display at the offices of the executing agency and it's PMU, (xi) Conduct information dissemination sessions at major locations and solicits the help of the local community leaders to encourage participation of the affected persons in resettlement plan implementation, (x) Pay special attention to assist the vulnerable groups to understand the process and to help them in getting the compensation and other assistance.

## **V. GRIEVANCE REDRESS MECHANISMS**

### **5.1 Introduction**

62. As required by ADB SPS (2009), NESCO will establish the project level grievance redress mechanism (GRM) to address APs complaints or queries related to the projects. The GRM benefits include to help to: (i) minimize complaints escalation, risk of undue delay and complication in project implementation; (ii) improve quality of project activities and outputs; (iii) ensure that the rights of affected parties are respected; (iv) identify and respond to unintended impacts of projects; and (v) maximize participation, support, and benefit to local communities, (vi) reach mutually agreed solutions satisfactory to both, the project and the affected persons, and to resolve any project-related grievance locally, in consultation with the aggrieved party; (v) facilitate the smooth implementation of the project.

63. Resolution of grievances within the legal framework of Bangladesh largely rests with the Deputy Commissioner. Affected people can submit their grievances to the Deputy Commissioner for issues related to involuntary land acquisition. In cases the issue remains unresolved, or the parties are dissatisfied with the decision, they have recourse to the country's judicial system. Usually, grievances come during construction. Civil construction works may have unanticipated impacts and stringing of distribution lines may result in temporary damages or restrictions, safety concerns and inconveniences to the public (e.g. such as access difficulties, restrictions to public places, disturbances from noise, dust, and labor influx-related issues). The project level GRM shall be easily accessible to all aggrieved parties to contact the Project team and resolve complaints. NESCO will be accountable in handling grievance and responding to complainants timely. A well-established and functional GRM allows to resolve grievances effectively and avoid lengthy court procedures. However, the project level GRM will not prevent a person's right to go to the courts of law.

### **5.2 Grievance Redress Committees (GRC)**

64. NESCO will provide wider publicity for the GRM and GRC established using a variety of media such as brochures and leaflets printed in Bengali, and through community level awareness raising programs. The roles and functions of the GRM and its different tiers, specific locations where the different tiers are established, grievance reporting procedures, GRC members contact information, time frames for grievance resolution at each level etc. will be disseminated to the affected persons as well as the public using the above-mentioned modes of communication. NESCO through PIAC will provide training to the members of the GRC on effective grievance handling procedures. The three-tier GRM are as follows: 1<sup>st</sup> tier at Local (Upazila) level, 2<sup>nd</sup> tier at Project Level (PMU) and the 3<sup>rd</sup> tier at NESCO central level.

65. GRC members shall make efforts to resolve grievances as much as possible at the local level and project levels and forward the cases that cannot be resolved at these levels to GRC at NESCO central level. GRC in all levels shall make efforts to resolve grievances and make decisions through amicable process and ensure compliance with RP, EMP and ADB SPS principles and national requirements.

66. Before the grievance is submitted to the three-tier system, the contractors shall resolve grievances (record all grievances and queries even at site level and report to PMU). For grievances that are immediate and urgent (e.g., dust, noise, spills, inappropriate behaviour, worker conflict, community health and safety etc.) to be addressed immediately by contractor and reported to PMU. The contractor shall consult the NESCO/PMU site team and resolve these matters immediately as possible.

### 5.2.1. Local Level GRC (LGRC)- First Tier

67. First Level of GRC will be at the upazila level of project site (composition in table 5.1). The appointed field coordinator of the NESCO from the site office will record the complaint (including the name, contact information of the complainant, the date and issue raised in the complaint). The field coordinator will communicate with the relevant persons and agencies relevant to the complaint and will try to reach an amicable settlement within two weeks.

Table 5.1. GRC members included but not exhausted by followings:

<b>Member</b>	<b>Designation</b>
NESCO Site Engineer / Field-level Representative	Convenor
Representative of Affected Persons/complainant	Member
Representative of EPC contractor	Member

68. One representative of APs will be a member of the LGRC. The convenor of LGRC will be available/accessible to APs to address grievances. Unresolved cases will be forwarded to the Project-level GRC (PGRC) by the convenor. The GRC is empowered to take a decision subject to approval of the Project Director for implementation. For minor issues the GRC can take its own decision without approval of project director. The scopes of work for LGRC includes but not limited to the following:

- Review and resolve grievances related to social/resettlement and environmental, and consultation and disclosure issues during implementation of the Project.
- Make efforts to resolve issues/grievances immediately or within a period of two weeks except for complicated issues requiring additional investigations.
- LGRC will not engage in legal disputes about the property ownership of the affected persons, or issues related to affected land and property which are pending in the court of law.
- LGRC meetings will be held in the convenor's office in the Project area or other location(s) and/or as agreed by the aggrieved persons.

### 5.2.2. Project-level GRC (PGRC)

69. If decision cannot be taken on first level, or proposed solution is not acceptable to all parties within the first tier, the complaint will be referred to the Project level GRC. The composition of the PGRC will include but not exhausted by followings in Table 5.2:

Table 5.2. GRC members

<b>Member</b>	<b>Designation</b>
Assistant Engineer (Project), NESCO	Convenor
Representative of ESS Wing or PIAC	Member Secretary
Representative of EPC Contractor	Member
Councilor of ward of the municipality/city corporation concerned	Member
Female Member of ward of the municipality/city corporation concerned (especially if the complainant is female)	Member
Representative from AP/complainant	Member

70. The Member-Secretary of PGRC shall be available for APs to address concerns and grievances and schedule a weekly review and status update. Unresolved cases will be

forwarded to the CGRC. The PGRC decision will be subject to approval of the Project Director for implementation (which will be forwarded to the Project Director for approval and finalization). The female member/ward councilor (if available) will participate in the grievance redress process if the complain is from women. PGRC shall review grievances forwarded by LGRCs and resolve within 4 (four) weeks as received. In complex cases, resolution can take up maximim 8 (eight) weeks if the PGRC needs additional information or assessments.

### 5.2.3 Central-level GRC (CGRC)

71. The Central-level GRC (CGRC) will review all grievances unresolved in previous levels. The project director, NESCO, will be the head of the CGRC. This GRC located at NESCO Headquarters will conclude its proceedings within 4 (four) weeks from the submission of the grievance. In complex cases, resolution can take up maximim 8 (eight) weeks. The key members of CGRC include:

<b>Member</b>	<b>Designation</b>
Project Director (PD), NESCO	Convenor
Senior Safeguard Specialist(s) of NESCO's Environmental and Social Safeguards Wing (ESS Wing) or Representative of PIAC Safeguard Team	Member Secretary
Deputy Project Director, PIU, NESCO	Member
Team Leader of EPC contractor	Member
A representative of the aggrieved party	Member
A representative of the Ministry concerned or civil society	Member

72. The Member-Secretary in the CGRC will provide information about the complaints and RP policies and provisions. The CGRC should establish fairness and transparency in the resolution of grievances of project-affected persons. In case of technical issues or legal matters, the legal advisors may be consulted as required.

73. The PMU, ESU and PIAC will keep a close liaison with the affected people. All complaints will have to be resolved within a certain period in each level. The grievance resolution process will be facilitated by the NESCO Site Engineer/Field-level Representative. GRC at each level should forward the grievance to higher level if not able to solve, not the AP. GRC then inform APs about the status and process.

### 5.3. Filing and documentation

74. APs shall be able to file their grievances at any levels and without any fear and intimidation. All grievances must be recorded at the level received and consolidated grievance database maintained in PMU. The complaints can be submitted by APs or their represnettaives. The GRC received grievance shall send to the complainant the written acknowledge of the grievance and update regularly on grievance resolution status.

75. The affected persons and communities shall be informed of the project's GRM through consultations meetings and information notes posted at important locations and project sites. Bangla translations of the RP and the GRM in the form of information brochures will be distributed to APs. The APs will also be briefed on the scope of the GRC, the procedure for lodging grievances cases and the procedure of grievance resolution at the project level. The GRCs will record the details of the complaints and their resolution in a register, including intake details, resolution process and the grievance form is attached in Annex 8.

76. Grievance resolution will be a continuous process during the Project implementation. The PMU and ESU will keep records of all resolved and unresolved complaints and grievances and make them available for review as per ADB and GoB's policy and any other interested persons/entities. The PMU will monitor the grievances and report to ADB on received grievances and their resolutions through semi-annual social monitoring reports. All GRC members at all levels will attend a training on GRM. PIAC social expert will conduct the training. The RP includes budget for grievance redress administration and disclosure.

#### **5.4. ADB Bangladesh Resident Mission and Energy Sector Office in HQ:**

77. An aggrieved persons and/or their representatives can directly contact ADB's Resident Mission in Dhaka and/or the project operation unit of the ADB's Energy Sector Group, South Asia for their grievances or queries at any time. The party informs in writing form the Resident Mission or sector group to initiate a good faith effort to resolve the grievance. The aggrieved party can use local language, English or any local language to send their complaints at address below.

Contact: Bangladesh Resident Mission (BRM)

Plot E-31, Sher-e-Bangla Nagar, Dhaka 1207, Bangladesh, GPO Box No. 2100

Office Hours: 8:00 a.m. to 4:30 p.m. (Sunday to Thursday)

+88 02 556 67000

Fax +88 02 223 374030 to 31

#### **ADB Accountability Mechanism**

78. The affected party whose grievances were not addressed and/or not satisfied by the resolution of ADB's Resident Mission in Dhaka and/or the project operation unit of the ADB's, can use the ADB's Accountability Mechanism by writing to the Complaint Receiving Officer at the ADB Headquarters in Manila. The Accountability Mechanism has two functions: problem solving and compliance review. Complaints eligible by ADB Accountability Mechanism after making good faith efforts to resolve the complaint at the project operation level (project level GRM, Resident mission, or contacting the sector group discussed above).

## **VI. LEGAL, POLICY FRAMEWORK, ELIGIBILITY AND ENTITLEMENT MATRIX**

### **6.1 Introduction**

79. The legal and policy framework for land acquisition and involuntary resettlement for the project will be based on legislation of Bangladesh and ADB SPS. There are number of gaps between the Bangladesh legislation and ADB SPS which will be addressed through gap-filling measures as summarised in Table 6.3 below to ensure compliance of the project with ADB SPS principles and requirements for the Project implementation.

### **6.2 National Laws and Regulations**

80. The key laws of Bangladesh related to land acquisition and resettlement include: (i) Acquisition and Requisition of Immovable Property Act (ARIPA) 2017 (ii) the Electricity Act of 2018 and Electricity Rules 2020; (iii) the Bangladesh Telegraph Act of 1885 and ADB Safeguard Policy Statement (SPS) 2009. The Acquisition and Requisition of Immovable Property Act, 2017 (Act 2017) requires that compensation be paid for (i) land and assets permanently acquired (including standing crops, trees, houses); and (ii) any other damages caused by such acquisition. The Act 2017 provides certain safeguards for the owners and has provision for payment of “fair value” for the property acquired. The landowner can appeal against land acquisition within 15 (fifteen) days of notice under Section 4 of the Act 2017. The Act 2017, however, does not cover Project-affected persons without titles or ownership record, such as informal settler, occupiers, and informal tenants and leaseholders (without document) and does not ensure replacement cost of the property acquired.

81. The district Deputy Commissioner (DC) determines the base rate of acquired assets based on the mouza rate as per highest resgitation value in that area within the last 12 months from the date of notice of acquisition served (under Section 4 of the Act 2017). The CCL paid for land is generally less than the “market value” as owners report lower values during registration to avoid and/or pay fewer taxes. Therefore, The DC adds 200% premium on the top of the mouza base rates of land for cash compensation under law (CCL) for government acquisitions to make it market value and meet the replacement cost. If acquired land has standing crops cultivated by tenant (bargadar) under a legally constituted written agreement, the law requires that part of the compensation money be paid in cash to the tenants as per the agreement. The DC adds 100% premium on the top of the base rate for compensation of loss of structures, crops and trees.

82. If there is a dispute about compenstaion amount, APs can seek resolution by the country’s legal system where AP can initiate court procedures for such is in place. Places of worship, graveyard and cremation grounds are not to be acquired for any purpose, unless the acquisition of these places is deemed unavoidable for the best of interest of the people. The project proponents will be allowed to acquire such areas given that it funds the replacement and rebuilding of such places.

83. Table below describes the land acquisition process under ARIPA 2017. The process generally takes minimum of 13 months for a priority project and 16 months for a non-priority general project. This includes the time taken by DC to award compensation for affected persons which is stipulated as 2 months.

Table 6.1: Land Acquisition Process under ARIPA, 2017 (relevant sections)

ARIPA, 2017	Steps in the Process	Responsibility
Section 4 (1)	Publication of preliminary notice of acquisition of property for a public purpose	Deputy Commissioner
Section 4 (3) (1)	Prior to the publication of section 4(1) notice; Identify the present status of the land, structures and trees through video-graphy, still pictures or appropriate technology.	Deputy Commissioner
	After the publication of the section 4(1) notice, a joint verification is conducted with potentially affected households and relevant organizations.	Deputy Commissioner
Section 4 (7)	After publication of preliminary notice under the section 4(1), if any household has changed the status of the land for beneficial purposes, changed status will not be added to the joint verification notice.	Deputy Commissioner
Section 4 (8)	If the affected person is not happy with the joint verification assessment, he/she can complain to Deputy Commissioner within seven days of issuing sec 4(1) notice.	Affected Person
Section 4 (9)	Hearing by district Deputy Commissioner within 15 working days after receiving the complaints. In case of government priority projects, hearing will be within 10 working days.	Deputy Commissioner
Section 5 (1)	Objections to acquisition by interested parties, within 15 days of the issue of section 4 (1) Notice	Affected Person
Section 5 (2)	Deputy Commissioner submits hearing report within 30 working days after the date of the section 5(1) notice. In the case of government priority projects, it will be within 15 working days.	Deputy Commissioner
Section 5 (3)	Deputy Commissioner submits his report to the (i) government (for properties that exceed 16.50 acres for approval and to; (ii) Divisional Commissioner <sup>31</sup> for properties that do not exceed 16.50 acres for information. Deputy Commissioner makes the final decision, if no objections were raised by landowners within 30 days of inquiry. In case of government priority project, it will be 15 days	Deputy Commissioner
Section 6 (1) (1)	Government makes the final decision on acquisition within 60 working days after receiving report from the Deputy Commissioner under section 5(3) notice.	Government
Section 6 (1) (2)	Divisional Commissioner makes the decision within 15 days or with reasons within 30 days since the submission of the report by Deputy Commissioner under section 5(3) notice.	Divisional Commissioner
Section 7 (1)	Publication of the Notice of final decision to acquire the property and notifying the interested parties/landowners to submit their claims for compensation.	Deputy Commissioner
Section 7 (2)	Interested parties submit their interests in the property and claims for compensation within 15 working days (in case of priority project 7 days).	Affected Person
Section 7 (3)	Individual notices have to be served to all interested persons including the shareholders within 15 days of issuing Section 7(1) notice	Deputy Commissioner
Section 8 (1)	Deputy Commissioner makes a valuation of the property to be acquired as at the date of issuing Section 4 Notice;	Deputy Commissioner

<sup>31</sup> Divisional commissioner is chief bureaucratic and revenue officer of a division, acting as the supervisory head of all government offices within that division. A division consists of few districts. There are 64 districts and 8 divisions in Bangladesh. A division is constituted with few districts. In Bangladesh there are 64 districts and 8 divisions. A division is headed by divisional commissioner. Divisional commissioner is higher level to deputy commissioner.

<b>ARIPA, 2017</b>	<b>Steps in the Process</b>	<b>Responsibility</b>
	determine the compensation; and apportionment of compensation among parties interested.	
Section 8 (3)	Deputy Commissioner informs the award of compensation to the interested parties and sends the estimate of compensation to the requiring agency/person within 7 days of making the compensation decision.	Deputy Commissioner
Section 8 (4)	The requiring agency deposits the estimated award of compensation with the Deputy Commissioner within 120 days of receiving the estimate.	Requiring Agency
Section 9 (1)	During valuation of assets, Deputy Commissioner will consider the following: (i) Average or highest mouza rate of land of the same category in the last 12 months by taking in to consideration the registration price as per sale deed; (ii) Impact on existing crops and trees; (iii) Impact on other remaining adjacent properties; (iv) Impact on properties and income; and (v) Relocation cost for businesses, residential dwellings etc.	Deputy Commissioner
Section 9 (2)	Additional 200% compensation on current mouza rate is added to the estimated value. If land is acquired for private organizations, added compensation will be 300%.	Deputy Commissioner
Section 9 (3)	Additional 100% compensation on top of the current market price for impacts on non land asset mentioned under sections 9(1) and (2)	Deputy Commissioner
Section 9 (4)	Appropriate action will be taken for relocation of community property on top of the above-mentioned sections and subsections	
Section 10 (2)	If an entitled person does not consent to receive compensation, or if there is no competent person to receive compensation, or in the case of any dispute with the title to receive compensation, Deputy Commissioner deposits the compensation amount in a deposit account in the Public Account of the Republic. Thereafter, Deputy Commissioner acquires the land. (Landowners can obtain such deposited money at any time, having appealed to the Deputy Commissioner, and providing evidence in support of his/her claim.	Deputy Commissioner Affected Persons
Section 11 (1)	Deputy Commissioner awards the compensation to entitled parties within 60 days of receiving the deposit from the requiring agency/person.	Deputy Commissioner
Section 12	When the property acquired has standing crops cultivated by bargadar (registered tenants), the apportion of compensation due to him will be determined by the Deputy Commissioner and will be paid to the bargadar in cash.	Deputy Commissioner

### 6.3. The Electricity Act, 2018 and Electricity Rules, 2020

84. The Electricity Act enacted on 12th February 2018 to develop and reform the sectors of power generation, transmission, supply, and distribution and for better service delivery to consumers and to meet the increasing demand for electricity. The Act specifies the role of licensees in the supply of energy and construction of lines for energy transmission. The Government has also published the Electricity Rules 2020 on November 4, 2020 and amendment 10 February 2022. The key provisions of the acts are given below:

Table 6.2: Provisions of Electricity Act, 2018 and Electricity Rules 2020, Amendment 2022.

Issues	Provisions in the Electricity Act, 2018	Provisions in the Electricity Rules, 2020, Amendment 2022
Civil works	If any licensee (NESCO for this project) is permitted to lay power supply lines within the area of supply or, subject to the terms of his license, beyond the area of supply, the licensee may, as soon as may be, do necessary civil works, with intimation to the concerned person or the local authority, as the case may be, for supplying electricity to that area. Licensee must take consent from all affected parties. <sup>32</sup> However, if any power supply line or civil works creates any obstacle to proper execution of legitimate authority of any person, the licensee may shift the site for power supply line or civil works.	If any licensee is permitted to lay power supply lines within the area of supply or, subject to the terms of his license, beyond the area of supply, the licensee may open or break the road, highway, rail path, drainage in ground level or underground level for civil works but before that the licensee has to provide notice to the concerned person or the local authority. Before starting civil works the licensee must advertise publicly. Licensee must take consent from all affected parties. However, if any power supply line or civil works creates any obstacle to proper execution of legitimate authority of any person, the licensee may shift the site for power supply line or civil works.
Damages	If any road, railway, underground drain, sewer or tunnel is damaged in consequence of civil works, the part excavated shall have to be filled up by soil, the part damaged shall have to be repaired and the garbage shall have to be removed immediately after such works.	If any road, highway, dam is damaged in consequence of civil works, the part excavated shall have to be repair under the supervision of the concern person or authority or repairing organization.
Compensation	If any damage, harm or inconvenience is caused while doing civil works under this Act, the licensee shall, in such manner as may be prescribed by rules, pay compensation to the person affected or the owner of the land affected for acquiring land for construction of electricity towers.	If any damage, harm or inconvenience is caused while doing civil works under this Rule, the licensee (NESCO) shall pay compensation. If land is used for construction of towers then the Licensee has to pay compensation to the land owner as per market value and the land owner will be able to use the land without doing any harm to electricity towers or other electric infrastructures. If crops, trees, or structure is affected then valuation will be done by the value suggested by Department of Agriculture Extension (DAE), Department of Forest and Public Works Division.

<sup>32</sup> Parties here mean is departmens (e.g. municipality, water supply sewage, forest and so on).

#### **6.4 Electricity Rules 2020 (Amendment 2022)<sup>33</sup>**

85. In the case of use of private land by the licensee (NESCO for this project) during the construction of the electric tower, the land owner will be compensated on the basis of the current market price. According to the latest published survey, the License will finalize the location of construction site of tower mentioning the name of the mouza, Khatian No., Dag No., Types of plot/Dag<sup>34</sup>, amount of proposed land for construction with GPS co-ordinate.

86. Under clause (a), the licensee will pay the full amount of the compensation in favor of the concerned landowner or owners for the use of private owned land for the construction of electric towers. Deputy Commissioner will determine the compensation at the rate of present market value as per prescribed format by DC office. In this case the concerned sub-registry<sup>35</sup> office shall provide the licensee the information regarding the market value of the land.

87. Under clause (b), the Deputy Commissioner will deposit the received money and will open an account in the title of this post;<sup>36</sup> Under clause (c), the licensee may start the construction of the tower after the deposit of money to the Deputy Commissioner.

88. If any complaints arise about compensations, it will be resolved in accordance with clause (d), but any complication arising out of the claim for compensation or determination of quantity will not interrupt the licensee (power utilities) to construction the electric tower; The Deputy Commissioner will issue the notice to the land owner mentioning that the licensee has decided to use this land for construction of electric tower. And DC will prepare an award<sup>37</sup> in respect of compensation of landowners and their claim.

89. Under clause (e) as per prepared awarded, the Deputy Commissioner will send notice to the landowner regarding the payment of compensation.

90. During payment of compensation to the affected persons, the Deputy Commissioner will send a demand letter to the licensee if the total amount of the required compensation exceeds the amount previously paid by the licensee to the DC and the additional money will be paid within 30 (thirty) working days after receipt of demand letter; The Deputy Commissioner will pay the received money to the concern person.

91. If the claimant of compensation refuses to accept the compensation or if there is no claimant of compensation or if there is any objection on the ownership of the compensation or any objection in determining the portion of the compensation, the amount of compensation will remain with the Deputy Commissioner until the matter is settled.

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<sup>33</sup> This rule mostly applies to transmission project where towers are constructed. In this project, it may apply if there will be river crossing tower in the future due to change of alignment etc.

<sup>34</sup> Cadastral number

<sup>35</sup> This is under the DC office and operates at Upazilla level

<sup>36</sup> The account will not be in the private name of the DC rather on the office title, Commissioner of Pabna District

<sup>37</sup> Documents containing type of loss, quantity, ownership and compensation amount.

## **6.5 The Bangladesh Telegraph Act, 1885<sup>38</sup>**

92. The Telegraph Act, 1885 does not have any provision for permanent land acquisition for construction of transmission pillars and lines. The Act provides for the payment of compensation for temporary impacts resulting from construction of lines and towers. The Act allows for the removal of any trees that interrupt the electric lines and would pay compensation only if those trees existed prior to the installation of the telegraph lines. The Government shall not acquire any right other than that of user in the property under, over, along, across, in or upon which the telegraph authority places any telegraph line or posts. Any damages caused to property during construction, operation and maintenance will be compensated in full to all persons owning those properties. Practices followed to establish right of way for electricity lines and payment of compensation for any damage such as trees, crops or structures.

93. The decision of NESCO to construct a line is communicated in the form of an application to the Deputy Commissioners (DC) of the respective districts where the lines will be constructed. Before acquiring the land, the Deputy Commissioner issues a Public Notice on behalf of the licensee organization (in terms of section 51 of 1910 Electricity Act and Section 10-19 of the Bangladesh Telegraph Act of 1885) to inform the public about the (i) RoW to be established for the transmission lines; (ii) compensation entitlements for damages caused to crops, trees, structures, etc. (but excluding compensation for land), due to construction work of the transmission lines at market value rates as determined by the Agriculture Department; and (iii) requesting the assistance and cooperation of respective Upazilla Nirbahi Officers (UNO), Union Parishad Chairmen, and other officials of the area and the wards members for the relevant officials and representatives of NESCO.

94. The project director in communication with the DC's Office endeavors to reach an amicable settlement with the complainant/aggrieved party. Assistance of the local authorities is also obtained in the process of grievance resolution.

95. NESCO will pay cash compensation to the landowners or land users for the affected trees, structures and crops for which a signed receipt is obtained from the receiving party. The receipt signed by the receiving party also serves as the landowner's authorization and 'No Objection' for the contractors to enter his/her premises. The civil construction work commences only after the permission of the landowner is obtained.

## **6.6. Land purchase**

96. Private land required for the project is minimal only for two substations (approximately 1 acres) which NESCO may opt to purchase directly subject to the approval of the NESCO's Board. In case of direct purchase (based on principles of willing seller and willing buyer), ADB SPS provisions on negotiated settlement (Section on Negotiated Settlement), will be followed by NESCO. In case of direct purchase through negotiation, safeguards requirements-2 of the SPS does not apply unless expropriation would result upon the failure of negotiation. NESCO will adhere to IR policy principle 6 requirements where NESCO will develop procedures in a transparent, consistent, and equitable to ensure that those people who enter into negotiated settlements will maintain the same or better income and livelihood status. In case of failure of negotiation, NESCO will opt for alternate site and will not enforce the eminent domain for involuntary acquisition of land for that particular site where negotiation failed.

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<sup>38</sup> This rule mostly applies to transmission projects where towers are constructed. In this project, it may apply if there will be river crossing towers. However, it may be relevant for cutting of trees or loss of crops and any other damage during construction for this project.

## 6.7. ADB Safeguard Policy Statement (SPS) 2009

97. ADB SPS policies and requirements are described below which is not to be considered exhaustive policy description. ADB SPS 2009 establishes requirements for environment, involuntary resettlement and Indigenous People safeguards. The objectives of the Involuntary Resettlement Safeguard policy are to avoid involuntary resettlement wherever possible; to minimize involuntary resettlement by exploring project and design alternatives; to enhance, or at least restore, the livelihoods of all displaced persons in real terms relative to pre-project levels; and to improve the standards of living of the displaced poor and other vulnerable groups.

98. The involuntary resettlement safeguards cover physical displacement (relocation, loss of residential land, or loss of shelter) and economic displacement (loss of land, assets, access to assets, income sources, or means of livelihoods) as a result of (i) involuntary acquisition of land, or (ii) involuntary restrictions on land use or on access to legally designated parks and protected areas. It covers them whether such losses and involuntary restrictions are full or partial, permanent or temporary. The main policy principles of the Involuntary Resettlement safeguard includes:

- (i) Screen the project early on to identify past, present, and future involuntary resettlement impacts and risks. Determine the scope of resettlement planning through a survey and/or census of displaced persons, including a gender analysis, specifically related to resettlement impacts and risks.
- (ii) Carry out meaningful consultations with affected persons, host communities, and concerned non-government organizations. Inform all displaced persons of their entitlements and resettlement options. Ensure their participation in planning, implementation, and monitoring and evaluation of resettlement programs. Pay particular attention to the needs of vulnerable groups, especially those below the poverty line, the landless, the elderly, women and children, and Indigenous Peoples, and those without legal title to land, and ensure their participation in consultations. Establish a grievance redress mechanism to receive and facilitate resolution of the affected persons' concerns. Support the social and cultural institutions of displaced persons and their host population. Where involuntary resettlement impacts and risks are highly complex and sensitive, compensation and resettlement decisions should be preceded by a social preparation phase.
- (iii) Improve, or at least restore, the livelihoods of all displaced persons through (i) land-based resettlement strategies when affected livelihoods are land based where possible or cash compensation at replacement value for land when the loss of land does not undermine livelihoods, (ii) prompt replacement of assets with access to assets of equal or higher value, (iii) prompt compensation at full replacement cost for assets that cannot be restored, and (iv) additional revenues and services through benefit sharing schemes where possible.
- (iv) Provide physically and economically displaced persons with needed assistance, including the following: (i) if there is relocation, secured tenure to relocation land, better housing at resettlement sites with comparable access to employment and production opportunities, integration of resettled persons economically and socially into their host communities, and extension of project benefits to host communities; (ii) transitional support and development assistance, such as land development, credit facilities, training, or employment opportunities; and (iii) civic infrastructure and community services, as required.
- (v) Improve the standards of living of the displaced poor and other vulnerable groups, including women, to at least national minimum standards. In rural areas provide them with legal and affordable access to land and resources, and in urban areas

- provide them with appropriate income sources and legal and affordable access to adequate housing.
- (vi) Develop procedures in a transparent, consistent, and equitable manner if land acquisition is through negotiated settlement to ensure that those people who enter into negotiated settlements will maintain the same or better income and livelihood status.
  - (vii) Ensure that displaced persons without titles to land or any recognizable legal rights to land are eligible for resettlement assistance and compensation for loss of non-land assets.
  - (viii) Prepare a resettlement plan elaborating on displaced persons' entitlements, the income and livelihood restoration strategy, institutional arrangements, monitoring and reporting framework, budget, and time-bound implementation schedule.
  - (ix) Disclose a draft resettlement plan, including documentation of the consultation process in a timely manner, before project appraisal, in an accessible place and a form and language(s) understandable to affected persons and other stakeholders. Disclose the final resettlement plan and its updates to affected persons and other stakeholders.
  - (x) Conceive and execute involuntary resettlement as part of a development project or program. Include the full costs of resettlement in the presentation of project's costs and benefits. For a project with significant involuntary resettlement impacts, consider implementing the involuntary resettlement component of the project as a stand-alone operation.
  - (xi) Pay compensation and provide other resettlement entitlements before physical or economic displacement. Implement the resettlement plan under close supervision throughout project implementation.
  - (xii) Monitor and assess resettlement outcomes, their impacts on the standards of living of displaced persons, and whether the objectives of the resettlement plan have been achieved by taking into account the baseline conditions and the results of resettlement monitoring. Disclose monitoring reports.

99. The involuntary resettlement policy of ADB SPS emphasizes that displaced persons without titles to land or any recognizable legal rights to land are eligible for resettlement assistance and compensation for loss of non-land assets. However, Bangladesh laws recognize only the entitlements of the legal titleholders who can establish their ownership rights. Therefore, any payment of compensation for project affected non-titleholders will be in accordance with the SPS with gap policy filling measures, described in the entitlement matrix of the RP, and all cost be borne by the project executing agency. The policy comparison is described in Table 6.3.

Table 6.3: Compliance Review of Bangladesh legislation and ADB SPS (2009)

#	ADB SPS (2009)	Bangladesh (ARIPA 2017)	Gaps filling Measures
1	Screen the project early on to identify past, present, and future involuntary resettlement impacts and risks.	Deputy Commissioner conducts a joint verification with NESCO and categorizes land by types and any assets thereon and identifies owners of physical assets prior to issue of section 4(1) notice. However, this is done only for the permanent land acquisition. No screening is done for lines and other components having no land acquisition.	NESCO with support of ADB engaged consultants conduct early screening to identify past, present and future involuntary resettlement impacts and risks; prepare an Inventory of Losses and identify resettlement issues and propose recommendations to avoid/minimize impact as applicable. Impact assessment will be updated during the project implementation based on detailed design of the project components.
2	Carry out meaningful consultations with affected persons, host communities, and concerned nongovernment organizations.	Affected persons are allowed to raise objections under section 4(7) of ARIPA if they disagree with joint verification assessment and under section 5(1) of ARIPA against land acquisition. Deputy Commissioner hears the complaints and grievances under section 4(9) of ARIPA. However, this is done only for the permanent land acquisition. No consultation is done for lines and other components having no land acquisition. Also, under the Bangladesh law, consultation is just a regulatory requirement and does not meet the requirements of meaningful consultations.	NESCO will ensure conducting meaningful consultations with affected persons, communities and others stakeholders during RP preparation, update and implementation, and overall Project implementation, to inform about the project, affected persons entitlements and compensation options, to ensure their participation in resettlement planning and to address the needs of vulnerable groups, address grievances and so on.
3	Establish a grievance redress mechanism to receive and facilitate resolution of the affected persons' concerns.	Affected persons are allowed to raise objections under section 4(7) if they disagree with joint verification assessment and under section 5(1) against land acquisition. Deputy Commissioner hears the complaints and grievances under section 4(9). The GRM under the country law is not project related rather it is under the legal system which is relevant to compensation related grievance of the titled affected persons	NESCO will ensure to (i) establish a project based GRM (proposed in the draft resettlement plan ) by the loan effectiveness date, and (ii) until then assign focal persons from its current staff with NESCO contact information published to affected people and public (as given in Section of this draft RP for Grievances), to address grievances and queries before loan effectiveness and during the project implementation.
4	Provide compensation at replacement cost.	ARIPA complies with ADB's SPS requirements. DC enhances the compensation	NESCO ensures replacement cost compensation by topping up 200%

#	ADB SPS (2009)	Bangladesh (ARIPA 2017)	Gaps filling Measures
	Compenstaion for land can be paid cash or land for land as opted by APs. Preference to be given to land compensation if livelihood of APs are land based. <sup>39</sup>	200% premium on top of current mouza rate (market value) of the land and another 100% premium to address other resettlement impacts to non land asset (ARIPA) which deem to meet replacement cost comepnasation.	premium on mouza rates for land and 100% on non-land losses . On land for land compensation option, NECO considers it would not be feasible for such small land parcel acquisition, but can be further expored and discussed with landowners during implementaion.
5	Improve or at least restore, the livelihoods of all displaced persons.	Livelihood restoration is not clearly mandated under the Bangladesh laws except compensation at market value	NESCO will provide assitance to eligible APs such as transitional allowances, shifting costs, vulnerability allowances as would be applicable. NESCO will ensure to engage loacal labor during constructions as possible.
6	Ensure that displaced persons without titles to land or any recognizable legal rights to land are eligible for resettlement assistance and compensation for loss of non-land assets.	When the property acquired contains standing crops cultivated by bargadar (shareholders), such portion of the compensation will be determined by the Deputy Commissioner and will be paid to the bargadar in cash under section 12. No provision of compensation for Bargdar who cultivate on government land or who has non land title in the government land	Lack of legal documents on land APs occupied/use, shall not bar APs from compensation and resettlement assistance. All affected persions including those having no title/documents to land they occupy/use, shall be receiving compensations according to the groups of affected persons as per paragraphs 7 and 8 of SPS (SR-2) summarized under the Eligibility Section of this RP. <sup>40</sup> All affected persons based on their socia-economic sttaus and significance of impact, will be eligible to resettlemeny livelihood restoration support and included in the entitlement matrix and this draft RP.
7	Improve the standards of living of the displaced poor and other	Legal framework does not have provisions to support poor and vulnerable groups	Additional compensation, and resettlement and livelihood support will be provided to affected poor and vulnerable groups including women

<sup>39</sup> ADB SPS, para 9, Appendix 2: Preference will be given to land-based resettlement strategies for displaced persons whose livelihoods are land-based. These strategies may include resettlement on public land, or on private land acquired or purchased for resettlement. Whenever replacement land is offered, displaced persons are provided with land for which a combination of productive potential, locational advantages, and other factors is at least equivalent to the advantages of the land taken. If land is not the preferred option of the displaced persons, or sufficient land is not available at a reasonable price, non-land-based options built around opportunities for employment or self-employment should be provided in addition to cash compensation for land and other assets lost. The lack of land will be demonstrated and documented to the satisfaction of ADB.

<sup>40</sup> The paragraph 7 of SPS (SR-2) provides that displaced persons (affected persons) in a project area could be of three types: (i) persons with formal legal rights to land lost in its entirety or in part; (ii) persons who lost the land they occupy in its entirety or in part who have no formal legal rights to such land, but who have claims to such lands that are recognized or recog nizable under national laws; and (iii) persons who lost the land they occupy in its entirety or in part who have neither formal legal rights nor recognized or recognizable claims to such land. Accordngly, paragraph 8 of the SPS (SR-2) provides the involuntary resettlement requirements apply to all three types of displaced persons. The borrower/client will provide adequate and appropriate replacement land and structures or cash compensation at full re placement cost for lost land and structures, adequate compensation for partially damaged structures, and relocation assistance, if applicable, to those persons described in para. 7 (i) and 7(ii) prior to their relocation. For those persons described in para. 7(iii), the borrower/cli ent will compensate them for the loss of assets other than land, such as dwellings, and for other improvements to the land, at full replacement cost. The entitlements of those under para. 7(iii) is given only if they occupied the land or structures in the project area prior to the cut-off date for eligibility for compensation and assistance.

#	ADB SPS (2009)	Bangladesh (ARIPA 2017)	Gaps filling Measures
	vulnerable groups, including women, to at least national minimum standards		and included in the Entitlement Matrix and the budget of this draft RP.
8	Prepare a Resettlement Plan	Legal framework does not require resettlement plan	NESCO prepared the RP and will update it as needed during project implementation. RPs will be cleared by ADB before implementation.
9	Disclose the draft resettlement plan	Legal framework does not require resettlement plan and its disclosure.	NESCO and ADB will disclose the draft and updated RP in their official websites. NESCO will ensure to share the draft and updated RPs with affected persons and other stakeholders including a summary translation in Bengali language. Social monitoring reports will also be disclosed on the ADB website.
10	Conceive and execute involuntary resettlement as part of a development project or program	Legal framework does not have such provisions.	NESCO will include the full resettlement cost in its total budget and commits to make available the required funds in time.
11	Pay compensation prior to physical or economic displacement	Legal framework does not allow taking over the possession of the acquired land prior to the payment of compensation. However, this applies only to the land acquired from titleholders. Deputy Commissioner awards the compensation to entitled parties within 60 days of receiving the deposit from the requiring agency under section 11(1).	NESCO will ensure that all affected persons, irrespective of their titles are paid compensation prior to displacement. NESCO will monitor the compensation payment procedure. The PIAC will support NESCO to implement the RP, and safeguards monitoring and reporting.
12	Monitor and assess resettlement outcomes and impacts and the achievement of the objectives of the resettlement plan and disclose monitoring reports.	Legal framework does not have such provisions.	NESCO supported by PIAC will monitor the safeguards in project implementation, and share the monitoring reports with ADB for clearance and disclosure in ADB website.

## 6.8. Provisions for guiding the resettlement process

100. NESCO will ensure compliance with ADB SPS policy and national law requirements and the project implementation will be guided in overall by the following provisions which may not be exhaustive.

- ✓ Adverse impacts arising from project design, planning and implementation including involuntary resettlement would be avoided, minimized by exploring design alternatives and/or approaches and unavoidable impact mitigated, compensated at full replacement cost and affected persons will be assisted.
- ✓ Any residential structures falling within the clearing right of way will be avoided during final route alignment and shall maintain required vertical and horizontal safety clearances as per country regulations and shall maintain the electromagnetic clearances. Construction technique shall follow the safety mitigation measures such as scaffolding etc to protect the structures. Any damage to the structures or other assets shall be compensated. Project components and activities shall be designed so that not causing any physical displacement.
- ✓ In case of direct purchase through negotiation, safeguards requirements-2 of the SPS does not apply unless expropriation would result upon the failure of negotiation. NESCO will adhere to IR policy principle 6 requirements where NESCO will develop procedures in a transparent, consistent, and equitable to ensure that those people who enter into negotiated settlements will maintain the same or better income and livelihood status (more on section below on Negotiated Settlement). In case of failure of negotiation, NESCO will opt for alternate site and cannot enforce the eminent domain for involuntary acquisition of land for that particular site where negotiation has been initiated.
- ✓ Project related information including potential social and environmental impact, mitigation measures, compensation and entitlements to affected persons, GRM and contact information for any complaint or issues, will be disclosed in a timely manner and made available in places easily accessible to people and public and in local languages.
- ✓ Consultations will be carried out with the affected persons and communities to elicit their views and suggestions on project works, implementation process, resettlement and compensation measures, GRM and to ensure their participation in project planning, implementation and monitoring and address potential complaints and issues.
- ✓ Permanent and temporary loss of crops, trees and any livelihood and income due to the project constructions will be compensated at the full replacement cost
- ✓ Civil construction works will be scheduled for off-farming seasons as possible to minimize adverse impacts on crops and cultivations. People will be informed in advance about the schedule and dates of construction works in each site
- ✓ Vulnerable persons/households affected by economic displacement will be identified and provided with additional cash assistance allowances.
- ✓ All entitlements and compensation will be paid to the affected persons prior to the any displacement, possession of land displacement and commencement of civil construction work
- ✓ People shall be allowed to continue their pre project activities under the right of way of the lines after the construction.
- ✓ Temporary affected land and assets will be restored to its pre-project conditions
- ✓ Livelihoods and incomes of all displaced persons when permanently affected will be restored and improved.

- ✓ A grievance redress mechanism will be established at project level from construction sites to the executing agency level to receive and resolve potential grievances from affected persons effectively within the given time frame.
- ✓ Contractual agreements with construction companies to include and ensure that contractors adopt adequate safety measures and avoid accidents and disturbances causing from noise, dust etc. and any resettlement impact outside of the right of way and will be liable to compensate the economic losses
- ✓ Construction works in the lines can start in phases and in sections only after payment of compensation and entitlements, and any unanticipated or omitted impact during construction to be updated and compensated.

## 6.9 Negotiated Settlement

101. Negotiated settlements (based on willing seller and willing buyer principles) help avoid expropriation and eliminate the need to use governmental authority to remove people forcibly. The borrower/client is encouraged to acquire land and other assets through a negotiated settlement wherever possible. However, the borrower should ensure (i) land purchase is based on meaningful consultation with affected persons, including those without legal title to assets, (ii) offer adequate and fair price for land and/or other assets, (iii) negotiations with displaced persons openly address the risks of asymmetry of information and bargaining power of the parties involved in such transactions (for this purpose), (iv) Engage an independent external party to document the negotiation and settlement processes, (iv) agree with ADB on consultation processes, policies, and laws that are applicable to such transactions; third-party validation; (v) mechanisms for calculating the replacement costs of land and other assets affected; and record-keeping requirements and (vi) negotiated land purchase shall not lead to landlessness of the affected person. Failure of negotiation shall not lead to involuntary land acquisition and NESCO shall find alternative sites.

102. Any such agreement should offer an adequate and fair price for land and/or other assets that would be at minimum equivalent to replacement cost of the loss asset. NESCO will ensure that negotiations openly address the risks of asymmetry of information and bargaining power of the parties involved in negotiation and documents the negotiation process and engages a third party for verification of the negotiated settlement processes. The negotiated settlement should be free from coercion and any forms of intimidation and shall meet the documentary evidence of the procedure as set out in SPS provisions on Involuntary Resettlement Safeguard's Principle 6, and para 25 of Appendix 2.

103. Under the direct purchase approach, landowners voluntarily sell their land at a negotiated price based on the current market value and including other possible costs in compliance with legal requirements. NESCO will ensure the negotiation procedures are transparent, consistent, and equitable manner if land acquisition will be through negotiated settlement to ensure that those people who enter negotiated settlements will maintain the same or better income and livelihood status and will not be landless. The process will involve but not limited to key steps as below:

- ✓ Identification of Suitable Land: NESCO identifies the required land based on technical feasibility and project needs.
- ✓ Market Price Assessment: A valuation of the land is conducted considering government rates, recent transactions, and independent assessments.
- ✓ Negotiation with Landowners: Discussions are held with landowners to ensure a fair price and agreement on the terms of sale.
- ✓ Formal Agreement and Documentation: Once both parties agree, legal documents are prepared, ensuring compliance with relevant laws.

- ✓ Compensation and Transfer: The agreed payment is made to the landowners, and ownership is officially transferred to NESCO.

104. NESCO follows a structured and transparent process of land purchase/acquisition that prioritizes voluntary acquisition over compulsory measures. NESCO uses a willing seller and willing buyer approach to ensure smooth and timely execution of its projects, particularly for constructing substations and other infrastructure. A designated internal committee is responsible for managing the land acquisition process. This committee conducts market assessments to determine fair land values and set benchmarks for negotiation. During the negotiation phase, all existing assets on the land such as trees, crops, structures, and any other visible improvements present at the time are identified and their values are consulted with the owners and included in the total compensation offered to the landowner. Once both parties agree, a formal deed of transfer is executed covering the negotiated price including all applicable costs as taxes, registration fees, and charges. NESCO ensures that all legal documentation is properly completed including verification of land title, mutation, and non-encumbrance certification. After the purchase, the land is prepared for use through clearing, leveling, and developing access routes before it is handed over to contractors for construction. Progress is closely monitored by NESCO's project teams to ensure alignment with implementation schedules.

## 6.10 Compensation Payment Procedure and Valuation of Asset

105. NESCO will ensure that the properties (land and non-structure assets and income) affected by the Project will be compensated at full replacement cost<sup>41</sup> in accordance with ADB SPS and the RP. Valuation for compensation purposes in Bangladesh is determined by the Deputy Commissioner. The process for payment of compensation and other assistance for land, assets, incomes and livelihoods, resettlement assistance and livelihood restoration (including loss of income and workdays) by the affected households are explained below.

### Land:

- The value of land is assessed based on the prevailing base market rate in the *mouza* (the smallest revenue or administrative unit) where the land is located.
- The Deputy Commissioner determines this mouza rate using a combination of:
  - Buy and sell transaction data from the past 12 months within the same mouza or adjacent areas.
  - Land registration records maintained by the Sub-Registrar's Office.
  - Field surveys and physical inspections to assess the actual condition, usage, and market trends in the area.
- The Deputy Commissioner distinguishes between different land uses—agricultural, residential, commercial, or industrial—and adjusts valuation accordingly.
- In accordance with ARIPA 2017, once the base market (mouza) rate is determined, the Deputy Commissioner adds an additional 200% premium on mouza rates (i.e., three times the mouza rate)<sup>42</sup> as an enhancement to ensure the landowners are compensated at full replacement cost.

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<sup>41</sup> The calculation of full replacement cost will be based on the following elements: (i) fair market value; (ii) transaction costs; (iii) interest accrued, (iv) transitional and restoration costs; and (v) other applicable payments, if any. Where market conditions are absent or in a formative stage, the borrower/client will consult with the displaced persons and host populations to obtain adequate information about recent land transactions, land value by types, land titles, land use, cropping patterns and crop production, availability of land in the project area and region, and other related information. The borrower/client will also collect baseline data on housing, house types, and construction materials. Qualified and experienced experts will undertake the valuation of acquired assets. In applying this method of valuation, depreciation of structures and assets should not be taken into account.

<sup>42</sup> E.g. it is understood Mouza rate+ 200% = it becomes 300 times. If it is 1 BDT as mouza rate then 2 BDT as premium= becomes 3 BDT in total

### **Trees:**

- The value of trees located on the acquired land is assessed based on their type, size, age, health, and commercial or productive potential.
- The Forest Department assists the Deputy Commissioner in determining accurate valuations, drawing on technical expertise in forestry and market data.
- Valuation categories include:
  - Timber trees – assessed based on estimated wood volume and market price for timber.
  - Fruit-bearing trees – valued according to average annual yield, year of productive life, and market price of the produce.
  - Ornamental or shade trees – assessed based on size, species, and landscape or environmental value.

After determining the base value, the Deputy Commissioner provides an additional 100% compensation on top of the assessed amount (base rate), as mandated under ARIPA 2017, to ensure compensation meets the replacement cost.

- **Note:** the above is a general procedure. The more accurate approach for valuation of trees and fruit trees and compensation rates to be reassessed and confirmed during the RP update before compensation.

### **Structures:**

- All built structures on the acquired land—such as residential houses, commercial buildings, boundary walls, tin-sheds, or semi-permanent constructions—are valued based on their current replacement cost.
- The Public Works Department (PWD) assists the Deputy Commissioner (DC) by providing technical assessments, standardized construction rates, and material specifications.
- The valuation considers:
  - Type and quality of construction (e.g., RCC, brick, tin, etc.)
  - Size and layout of the structure
  - Age and physical condition but no depreciation for structures will be applied for compensation to meet ADB SPS principles
  - Current market prices of materials
  - Cost of labor required to rebuild or replicate the structure
  - Location and functionality
- After determining the base value, the DC applies an additional 100% compensation, resulting in a total payout of double the assessed value, in line with the provisions of ARIPA 2017, and to meet replacement cost compensation.

### **Crops:<sup>43</sup>**

- Standing crops on the acquired land are valued based on their type, stage of growth, expected yield, and prevailing market prices.
- The Deputy Commissioner consults with officials from the Department of Agricultural Extension (DAE) and other relevant local agricultural offices to determine accurate and fair valuations.
- Key factors considered include:
  - Type of crop (e.g., rice, wheat, vegetables, fruits)
  - Stage of harvest (e.g., newly planted, maturing, or ready to harvest)
  - Estimated yield per unit area

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<sup>43</sup> Loss of crops is not identified as this stage as the lines will be traversing through the existing 11 kV right of way and the area is mostly urban without passing through agricultural land rather it goes along the roads. Provisions provided in case of unanticipated impact.

- Current local market rates
- If acquisition results in loss of seasonal income or agricultural investment, that loss is also factored into the compensation.
- Once the base value is assessed, the Deputy Commissioner applies a 100% additional amount to compensation, meaning the landowner receives double the assessed value for the crops, in accordance with ARIPA 2017 and to meet replacement cost.

#### **Sharecroppers:**

- Sharecroppers (*adhiars* or *bargadars*) who cultivate land under informal or semi-formal arrangements are recognized as eligible for compensation under ARIPA 2017, even though they do not hold legal title to the land.
- The Deputy Commissioner identifies genuine sharecroppers through:
  - Field verification
  - Community consultation
  - Records or certification from Union Parishad or agricultural offices
- The value of compensation is calculated based on:
  - Type of crop being cultivated
  - Stage of growth (sown, growing, or harvest-ready)
  - Expected yield, using standard productivity data from the Department of Agricultural Extension
  - Current market price of the crop at the local level
  - The sharecropping ratio agreed with the landowner (typically 50:50 or 60:40)
- If crops are not yet harvested, the sharecropper is compensated for their lost income share based on the expected yield and market price.
- If crops are at early stages, the Deputy Commissioner may compensate for input costs (e.g., seeds, fertilizer, labor) invested by the sharecropper.
- After determining the base rate, the Deputy Commissioner provides an additional 100% top-up, meaning the sharecropper receives double the assessed value of the lost crop income, as per ARIPA 2017.

#### **6.11 Eligibility**

106. All affected households will be eligible and entitled for compensation for loss of land and non-land asset, any loss of income and livelihood and resettlement assistance as applicable. Lack of legal documents of their customary rights of occupancy or land titles shall not bar them from compensation and resettlement assistance. All affected persons including those having no title/documents to land they occupy/use, shall be receiving compensation according to the groups of affected persons as per paragraph 7 of SPS (SR-2). This paragraph 7 of SPS (SR-2) provides that displaced persons (affected persons) in a project area could be of three types: (i) persons with formal legal rights to land lost in its entirety or in part; (ii) persons who lost the land they occupy in its entirety or in part who have no formal legal rights to such land, but who have claims to such lands that are recognized or recognizable under national laws; and (iii) persons who lost the land they occupy in its entirety or in part who have neither formal legal rights nor recognized or recognizable claims to such land. Accordingly, paragraph 8 of the SPS (SR-2) provides the involuntary resettlement requirements apply to all three types of displaced persons. The borrower/client will provide adequate and appropriate replacement land and structures or cash compensation at full replacement cost for lost land and structures, adequate compensation for partially damaged structures, and relocation assistance, if applicable, to those persons described in para. 7 (i) and 7(ii) prior to their relocation. For those persons described in para. 7(iii), the borrower/client will compensate them for the loss of assets other than land, such as dwellings, and for other improvements to the land, at full replacement cost. The entitlements of those under para. 7(iii) is given only if they occupied the land or structures in the project area prior to the cut-off date for eligibility for compensation and assistance.

107. Compensations and entitlement to affected persons shall be paid prior to any physical and economic displacement though physical displacement is not anticipated at this stage of the project processing. Livelihood restoration and rehabilitation activities will be continued. Construction contractors shall hire local labour where feasible that has the necessary skills.

## 6.12 Cut-off-Date

108. The cut-off date for eligibility under the project is based on the commencement of the Census of affected persons and Inventory of Losses (IOL) survey, which was carried out across different project areas during May–June 2024 for substations and other components, and during April 2025 for distribution lines and people were informed during public consultations as per dates in Table 6.4. These cut off dates serve as the basis for determining eligibility for compensation and resettlement assistance. Affected persons identified on or before the respective cut-off dates are considered eligible for compensations and applicable entitlement. Any households, structures, or economic units established after the relevant cut-off date will not be recognized for compensation or assistance. However, individuals or households who were present in the project area prior to the cut-off date but were inadvertently missed during the affected persons' identification and census and IOL survey will still be eligible for compensation and applicable entitlements subject to verification. To ensure fairness and inclusion, the project adopts two types of cut-off dates:

- **Social Cut-off Date:** Refers to the date on which the socio-economic survey and census of affected persons and IOL were conducted, publicly disclosed during community consultations and household-level interviews. It applies to all affected persons including non-titled affected persons, including informal settlers and vendors.
- **Legal Cut-off Date:** Applicable to titled landowners, this is the date of issuance of the notice under Section 4 of the ARIPA 2017, which formally initiates the land acquisition process. It is issued by the Deputy Commissioner upon receipt of the Land Acquisition Plans (LAPs) from the Implementing Agency (IA) which is NESCO for substation sites and associated infrastructure.

109. This dual cut-off approach ensures that both titled and non-titled affected persons are fairly considered while deterring opportunistic settlement after the project's disclosure.

Table 6.4: Cut-off-Date

District	Name of the Upazila	Sub-station and other components	Distribution lines only
Rajshahi	Rajpara, Paba, Boalia	29 May 2024	25 April 2025
Pabna	Pabna Sadar, Ishwardi	5 June 2024	23 April 2025
Bogura	Bogura Sadar, Mohasthanagar, Dupchachiya	29 May 2024	29 April 2025
Rangpur	Rangpur Sadar, Taraganj	5 June 2024	27 April 2025
Dinajpur	Dinajpur Sadar, Bochaganj, Kaharul	5 June 2024	26 April 2025
Chapai nawabganj	Chapai Nawabganj Sadar	7 June 2024	
Panchagarh	Panchagarh Sadar	7 June 2024	
Gaibandha	Dhanghora	2 June 2024	
Nilphamari	Saidpur	9 June 2024	
Sirajganj	Sirajganj Sadar, Kodda	15 June 2024	
Naogaon	Naogaon Sadar	29 May 2024	
Lalmonirhat	Hatibandha	7 June 2024	
<b>12-District</b>	<b>22- Upazila</b>		

## 6.11 Entitlement Matrix

110. In accordance with ADB SPS all groups of affected households and persons will be entitled to compensation and resettlement assistance depending on the nature of ownership rights on lost assets, significance of the impacts, socio-economic status as vulnerability of the households, and measures to support livelihood restoration. The Entitlement Matrix (Table 6.5) summarizes the categories of APs, impact and compensation and entitlements for each type of loss. The APs with no land-title shall be compensated at minimum for all non-land economic losses. All compensation in this entitlement matrix for loss of land and other assets to be paid at full replacement cost to comply with ADB SPS (2009). The entitlement matrix covers detailed provisions for broader range of losses although not all types of these losses are anticipated under the project. This is a draft RP and will be updated based on final route alignment and detailed design and the entitlement matrix to address any additional impacts that may occur during the detailed design or project implementation. The entitlement Matrix will be updated during the draft RP update, however, entitlements herein will not be downgraded

Table 6.5: Entitlement Matrix

Note. This entitlement Matrix will be updated during the draft RP update, however, entitlements herein will not be downgraded.

#	Type of loss	Eligibility	Entitlement	Details	Responsibility
<b>A</b>	<b>Land</b>				
a-1	Permanent loss of land, agricultural, homestead, commercial, water bodies (ponds) Land	Title and non-titled APs as per SPS provisions stated in above sections of this RP (Legal owner(s) titles is identified by Deputy Commissioner (DC)	<p><b>Option-1: Involuntary acquisition of land through eminent domain:</b></p> <ul style="list-style-type: none"> <li>• Cash compensation at replacement cost<sup>44</sup> including market value of land and other costs determined by the deputy commissioner (DC)<sup>45</sup></li> <li>• Other charge and duty fees related to land transactions</li> <li>• Dislocation allowance for private land @ Tk. 20,000/acre</li> </ul> <p><b>Option 2: Direct Purchase</b></p> <ul style="list-style-type: none"> <li>• Direct purchase by NESCO from the landowners through negotiated settlement with mutually agreed price that includes land and non-land asset and costs</li> </ul> <p>Preference for land for land for APs whole livelihood are land based, subject to preference of APs and availability of suitable land.<sup>46</sup></p>	<ul style="list-style-type: none"> <li>• Two months' advance notice to be issued to harvest standing crops.</li> <li>• In case of partial impact, any residual land if not suitable to use economically or by its purpose, shall be compensated too.</li> <li>• Provisions of ADB SPS for Negotiated Settlement (iSection 6.9) and followings to be followed: <ul style="list-style-type: none"> <li>➤ Land will be purchased through a willing-seller–willing-buyer process with consent from the landowners</li> <li>➤ Consultation and prior consent will be documented with third-party observation and signatures as evidence of fair negotiation</li> <li>➤ No coercion and intimidation applied.</li> <li>➤ Land purchase must not result in landlessness for AHs</li> <li>➤ Process will be overseen and documented by a third party</li> <li>➤ Failure of negotiation will not trigger involuntary land</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• NESCO and DC for involuntary acquisition</li> <li>• NESCO and third party for negotiated settlement</li> </ul>

<sup>44</sup> Calculation of full replacement cost based on the following elements: (i) fair market value; (ii) transaction costs; (iii) interest accrued, (iv) transitional and restoration costs; and (v) other applicable payments, if any. Where market conditions are absent or in a formative stage, the borrower/client will consult with the displaced persons and host populations to obtain adequate information about recent land transactions, land value by types, land titles, land use, cropping patterns and crop production, availability of land in the project area and region, and other related information. The borrower/client will also collect baseline data on housing, house types, and construction materials. Qualified and experienced experts will undertake the valuation of acquired assets. In applying this method of valuation, depreciation of structures and assets should not be taken into account.

<sup>45</sup> Current mouza rate as decided by the DC plus additional 200% solatium

<sup>46</sup> Lack of suitable land to be demonstrated at satisfaction of ADB) and cash compensation in combination of livelihood restoration/improvement strategies.

#	Type of loss	Eligibility	Entitlement	Details	Responsibility
				acquisition or use of eminent domain and NESCO will select alternative site	
a-2	Loss of land for tower footing on river crossing <sup>47</sup>	Title and non-titled APs as per SPS provisions stated in sections above of this RP (Legal owner(s) titles is identified by (DC)	Cash compensation for land loss to the legal landowners at replacement cost <sup>48</sup>	<ul style="list-style-type: none"> <li>Market prices and other costs to meet replacement cost to be determined by the DC</li> <li>Land ownership will be remained with the owner</li> <li>Land will be returned to owner restored at least to pre-project condition.</li> </ul>	<ul style="list-style-type: none"> <li>NESCO/DC</li> <li>Contractor for restoration of land to previous use below the tower</li> </ul>
<b>B</b>	<b>Structure</b>				
b-1	Primary Structures (residential, commercial, residential cum commercial)	All APs regardless of land title and tenure status including squatters, encroachers, Households/persons affected by construction impacts	<ul style="list-style-type: none"> <li>Replacement cost of the structure and other fixed assets without deducting depreciation factor.</li> <li>Additional reconstruction allowances to non-shift-able structures (@10%of the value of structures that will be damaged) in addition to and on top of the compensation amount of the loss structure</li> <li>Shift-able cost @5% of shiftable structures (which shall cover the cost for hiring a truck to shift and in case 5% is not sufficient then the difference will be paid in addition to the 5%)</li> </ul>	<ul style="list-style-type: none"> <li>All APs can keep salvage materials without deduction from their compensation amounts</li> <li>Temporary Impacts will be identified through additional survey by NESCO</li> <li>If the remained parts of the structure will not be viable/safe to use, the whole structure shall be compensated</li> </ul>	NESCO and other relevant departments for valuation such as PWD
b-2	Secondary Structures (Tube well, storage, garage etc)	All APs regardless of land title and tenure status including squatters, encroachers, Households/persons and/ or community	Replacement cost of the structure and other fixed assets without deducting depreciation value based on replacement cost.	All APs can keep salvage materials without deduction from their compensation amounts	NESCO

<sup>47</sup> There are no towers in the distribution project. However, for any river crossing when towers are erected for which land for tower footings will be compensated

<sup>48</sup> At the current mouza rate (one time) to be decided by DC.

#	Type of loss	Eligibility	Entitlement	Details	Responsibility
		affected by construction impacts			
b-3	Community Structures/common property resources	Community	Replacement cost of the structure and other fixed assets Or Reconstruction of common property resources	Based on consultation with community	NESCO/Contractor
<b>C</b>	<b>Loss of Crops</b>				
c-1	Loss of crops being affected due to substation land acquisition, river crossing tower footing land and crops below the distribution line corridor	All APs regardless of land title and tenure status, including titled and/or nontiled cultivators (person who planted the crop) whether owner, lease holder, tenant, sharecropper, etc.	<ul style="list-style-type: none"> <li>• <u>Substation land and tower footing land</u>: Compensation for crops and loss of crop season due to planned constructions works on sites at replacement cost</li> <li>• <u>Distribution line corridor</u>: Compensation for standing crops and loss of crop season due to planned construction works at sites for loss during the period of disruption, based on replacement cost</li> </ul>	<ul style="list-style-type: none"> <li>• Cultivator will retain the crops and plants without deduction from compensation.</li> <li>• Estimated market value at harvest, to be determined by DC through agricultural department</li> <li>• Two months advance notice to be issued in time to harvest the standing crops.</li> </ul>	NESCO/DC
<b>D</b>	<b>Trees</b>				
d-1	Timber Trees	All APs regardless of land title and tenure status	Compensation for trees based on timber value at market price	Owners will be allowed to keep timber without deduction from compensation within time given by NESCO.	NESCO/DC
d-2	Fruit Trees	All APs regardless of land title and tenure status	<ul style="list-style-type: none"> <li>• Compensation for perennial crops and fruit trees at annual net product market value multiplied by years required for tree to reach productive age</li> <li>• Additional 30% of timber value for replanting new tree</li> </ul>	Owners will be allowed to keep the timber and fruit without deduction from compensation within time given by NESCO.	NESCO/DC
<b>E. Loss of Income and Livelihood</b>					
e-1	Share cropper, tenant and lease holder from agriculture land	All APs regardless of land title and tenure status, including sharecropper/lease	<ul style="list-style-type: none"> <li>• Compensation for standing crops</li> <li>• Return of lease amount by landowner</li> <li>• Livelihood assistance including employment on project works as applicable .</li> </ul>	<ul style="list-style-type: none"> <li>• APs identified based on census verification of NESCO with APs/community representatives..</li> </ul>	NESCO

#	Type of loss	Eligibility	Entitlement	Details	Responsibility
		holder of affected land			
e-2	Income Loss form business	All APs regardless of land title and tenure status	Temporary: compensation of income during business interruption Permanent: Compensation for loss of business for three months of income loss from the business (based on reported tax records, in absence of such, based on average income of similar business in the area)	<ul style="list-style-type: none"> <li>• APs identified based on census and joint verification of NESCO with APs/community representatives.</li> </ul>	NESCO
e-2	Wage Earner and Employees	All APs regardless of land title and tenure status	Temporary: compensatin of loss income during the interruption Permanent: Compensation for loss of income for three months of minimum wage	<ul style="list-style-type: none"> <li>• APs identified based on census and joint verification of NESCO with APs/community representatives.</li> </ul>	NESCO
e-3	Temporary loss of income during construction	All APs (vendors and wage earner/employee) regardless of land title and tenure status	<ul style="list-style-type: none"> <li>• Vendors: compensation @ BDT 10,000 as one time</li> <li>• Wage earner/Employee: @ BDT 400 per day for a maximum disruption of two weeks (14 days) <sup>49</sup></li> </ul>	<ul style="list-style-type: none"> <li>• APs identified based on census survey during construction</li> <li>• Vendors will be allowed to continue their business in the same place or area post construction</li> <li>• Restoring the place at least to the pre-project level</li> </ul>	NESCO/Contractor
<b>F. Assistance and Other Allowances</b>					
f-1	Vulnerable Allowances	Households defined as vulnerable in this RP <sup>50</sup>	<ul style="list-style-type: none"> <li>• BDT 10,000.00 as one-time grant in addition to other compensations</li> <li>• Livelihood assistance including priority employment in project construction works as applicable</li> </ul>	<ul style="list-style-type: none"> <li>• APs identified based on census.</li> </ul>	NESCO
f-2	Severely Affected Households	APs affected significantly by the project (losing 10% or more of their productive/income	<ul style="list-style-type: none"> <li>• BDT 10,000.00 as one-time grant in addition to other compensations</li> <li>• Livelihood assistance including priority employment in project construction works as applicable</li> </ul>	<ul style="list-style-type: none"> <li>• APs identified based on census</li> </ul>	NESCO/Contractor

<sup>49</sup> As estimated maximum time for construction works at site. However, if distruption will be prolonged due to project works, compensation will be calculated accordindgly.

<sup>50</sup> Woman headed households, Households headed or have by persons, Households living below poverty line, landless household, IP household.

#	Type of loss	Eligibility	Entitlement	Details	Responsibility
		generating land/assets) irrespective of land titles and tenure			
<b>G. Temporary Impacts during construction</b>					
g-1	Temporary Impact during Construction (Any impact on land, trees, structures, crops or any other asset)	All APs regardless of land title and tenure status and as applicable	<ul style="list-style-type: none"> <li>• Compensation will be paid at replacement cost and according to the entitlement matrix.</li> <li>• Land will be returned to owner rehabilitated at least to pre-project condition</li> </ul>	<ul style="list-style-type: none"> <li>• The temporary Impacts will be identified through survey by NESCO and contractor during construction</li> <li>• All temporary use of lands outside proposed sub- stations to be through written approval of the landowner and impact compensated</li> <li>• The contractor shall bear the cost of any impact on structure or land or crops due to movement of machinery and in connection with collection and transportation of borrow materials.</li> </ul>	NESCO/Contractor
<b>H. Unanticipated Impacts</b>					
	Future impacts during construction not assessed during the feasibility design	All APs regardless of land title and tenure status and as applicable	Compensation at replacement cost and applicable allowances as relevant as per the entitlement matrix	<ul style="list-style-type: none"> <li>• The principles of this EM and RP prepared in accordance with SPS 2009 and Bangladesh laws will apply to any unanticipated IR impacts</li> <li>• Unanticipated involuntary impacts will be documented during the implementation phase and mitigated based on ADB SPS, 2009 principles and Bangladesh laws and gap filling measures in this draft RP.</li> </ul>	NESCO/Contractor

## **VII: INCOME RESTORATION**

111. The income restoration and rehabilitation measures is to restore the economic status of the project resettlement affected persons at least at the level prior to the project. The project impact on private land as source of livelihood will be minimum (approx. 1 acres) to be acquired from six land owners who are also not severely affected and their primary occupation and income is from business. For distribution lines, at this stage, temporary impacts are foreseen for 34 vendors and 7 wage earners due to the construction of overhead lines and NESCO will allow the temporary affected persons and wage earners to proceed with their livelihood activities post construction works and also in other sections of the road, and permanent loss of income or livelihood is not anticipated. NESCO will ensure full restoration of temporarily affected land to its original condition before returning it to the respective APs.

112. The IR impact of the project is mainly minimal and temporary, and income restoration measures under the project are primarily based on compensation and assistance entitlements to the affected persons and possibility of their employment in project construction works, as detailed in above sections, entitlement matrix and itemized in budget tables. NESCO supported by PIAC will ensure that all affected persons (APs) receive their compensation and entitlements primary through their bank accounts in their own name (joint account of spouses as applicable). Where necessary, support will be provided by contractors (ensuring by NESCO) to help vendors to shift to new locations.

113. Employment in Construction Work: The project will require many skilled and unskilled laborers for the construction works. The contractor(s) will be required to give preference to hiring affected persons and local people including women providing gender sensitive work environment. Provisions in the general contract conditions also shall require the contractors to pay equal wages to men and women for equal work without any gender discrimination. Employment in the project construction will act as an additional source of income in the income and livelihood restoration and improvement processes of the APs.

## VIII: RESETTLEMENT BUDGET AND FINANCING PLAN

### 8.1 Budget

114. The budget in this draft RP is estimated based on the feasibility level assessment which shall be updated during the detailed design (section-wise RP addendums for lines and other components as applicable) and prior to disbursement of compensation. However, the unit cost for land compensation is estimated based on the current mouza rate<sup>51</sup> and addition solatium. The compensation rate for land acquisition is estimated at current mouza rate (May 2025) as base rate with an addition of 200% premium. Compensation for any other assets and economic losses such as income/businesses, trees, structures, crops, or other livelihood to be at full replacement cost, and assistance for vulnerabilities, are assessed for the current year rates. This budget is indicative for different expenditure categories assessed by census of affected persons (May 2025). These costs will be updated and finalized prior to implementation. Additionally, a 15% contingency cost is provisioned to accommodate any unforeseen cost that may incur during implementation. NESCO considers any change of resettlement impact would not be significant and would fit within the envisaged RP budget and 15% contingency. Details on land price calculation is in Annexure 9 and records of government mouza rate in Annexure 10.

### 8.2 Budgeting and Financial Plan

115. All land acquisition and resettlement related costs will be provided by NESCO as a counterpart funds. NESCO shall ensure that funds are secured to update and implement the RP timely. NESCO will submit updated RP based on detailed design to ADB for concurrence before its implementation. Compensations and entitlements to APs should be paid fully prior to displacement and possession of lands and assets and start of construction works in APs sites. The total estimated budget for implementation of the RP is BDT 126,228,409 (126.23 million) equivalent to USD 1,034,659 (1.03 million). Summary budget is in Table 8.1 and breakdown budget as per type of economic losses in Tables 8.2, 8.3, 8.4, 8.5 and 8.6.

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<sup>51</sup> The mouza rate is the official government-determined land value for each revenue unit (mouza), which is periodically updated—typically every one year. To ensure accuracy and fairness under the ARIPA 2017, the Deputy Commissioner DC must assess the land value based on the average of the highest registered sale prices over the past 12 months in the relevant mouza. This valuation is compiled into a valuation roll using data from the Sub-Registrar's Office (sale registrations), the Land Records Office, and through field verification, reflecting current and location-specific market trends.

Table 8.1: Estimated Budget (approach for valuation of fruit trees and rates to be reassessed and confirmed in RP update before compensation).

#	Compensation Item	Unit	Quantity	Unit rate BDT	New Sub-station	Distribution Lines	Total in BDT	Total in USD
<b>A</b>	<b>Land</b>							
1	Land compensation	Acre	1.16	91,354,167	105,970,834	-	<b>105,970,834</b>	<b>868,613</b>
2	Dislocation allowance for private land @ Tk. 20,000/acre	Acre	1.16	20,000	23,200	-	<b>23,200</b>	<b>190</b>
	<b>Sub-Total</b>				<b>105,994,034</b>	-	<b>105,994,034</b>	<b>868,803</b>
<b>B</b>	<b>Structures</b>							
1	Primary Structures	Sqft	120	3600	432000	-	<b>432000</b>	<b>3541</b>
3	Dismantling cost for non shiftable structures @ 10% of the structure value	BDT	432000	10%	43200	-	<b>43200</b>	<b>354</b>
	<b>Sub-Total</b>				<b>475200</b>	-	<b>475200</b>	<b>3895</b>
<b>C</b>	<b>Trees</b>							
1	Trees on Private Land	Number	114		748,000	-	<b>748,000</b>	<b>6,131</b>
3	Value of fruits @ 30% of timber value for each grown up trees	BDT	558,000	30%	167,400	-	167,400	<b>1,372</b>
	<b>Sub-Total</b>				<b>915,400</b>	-	<b>915,400</b>	<b>7,503</b>
<b>D</b>	<b>Other Compensation</b>							
1	Wage loss	Number	7	5,600	-	39,200	<b>39,200</b>	<b>322</b>
2	Affected Vendors <sup>52</sup>	Number	34	10,000	-	340,000	<b>340,000</b>	<b>2,787</b>
	<b>Sub-Total</b>				-	<b>379,200</b>	<b>379,200</b>	<b>3,109</b>
	<b>Sub-total (A-D)</b>				<b>107,384,634</b>	<b>379,200</b>	<b>107,763,834</b>	<b>883,310</b>
<b>E</b>								
1	Costs for grievance redress, consultations and staff orientation	(Lump Sum)					<b>1,000,000</b>	<b>8,197</b>
2	RP updating, imple-mentation, monitoring	(Lump Sum)					<b>1,000,000</b>	<b>8,197</b>
	<b>Sub-Total</b>				-	-	<b>2,000,000</b>	<b>16,394</b>
	<b>Total (A-E)</b>				<b>107,384,634</b>	<b>379,200</b>	<b>109,763,834</b>	<b>899,704</b>
1	Contingency 15%				16,107,695	56,880	<b>16,464,575</b>	<b>134,955</b>
	<b>Grand Total in</b>				<b>123,492,329</b>	<b>436,080</b>	<b>126,228,409</b>	<b>1,034,659</b>

<sup>52</sup> Vendors will receive a lumpsum compensation for any temporary income loss likelihood of which to be confirmed during detailed design and construction works. At time of surveys, they were observed to operate businesses from easily movable structures and shift locations throughout the city on a daily basis. They do not occupy fixed spots and can continue operations on the opposite side of the road or in nearby areas. They are included in the survey and the RP budget as were present at the site during the surveys.

## 8.2 Detailed Budget

116. Detailed budget is provided below in Table 8.2, 8.3, 8.4, 8.5 and 8.6

Table-8.2: Compensation for Land for New Substation on Private Land

#	Type of Loss	Unit	Quantity	Replacement Cost	Total BDT	Total USD
<b>1</b>	<b>Compensation for Land</b>					
<b>A</b>	Compensation for Private Land	Acre	1.16	91,354,167	<b>105,970,834</b>	<b>868,613</b>
<b>B</b>	Dislocation <sup>53</sup> allowance for private land @ Tk. 20,000/acre	Acre	1.16	20,000	<b>23,200</b>	<b>190</b>
	<b>Total Compensation for Land</b>				<b>105,994,034</b>	<b>868,803</b>

Table-8.3: Compensation for Structures on Private Land

#	Type of Loss Structure	Unit	Quantity	Unit Rate (with 100% Premium)	Total BDT	Total USD
1	Pucca (sqft)	sqft	120	3600	432000	3541
	Sub-total		-		-	-
2	Dismantling cost <sup>54</sup> of the non-shiftable structure (Pucca & Semipucca) @ 10% of the structure value	BD T	(432000)	10%	43200	354
	Sub-total				475200	3895
	Total for Structures				475200	3895

Table-8.4: Compensation for Private Trees

#	Trees on private land	Unit	Quantity	Unit rate	Unit Rate (with 100% Premium)	Total BDT	Total USD
<b>1</b>	<b>Fruit Bearing</b>						
<b>a</b>	Big	No.	0	5600	11200	-	-
<b>b</b>	Medium	No.	90	3100	6200	<b>558,000</b>	4573.77
<b>c</b>	Small	No.	15	1400	2800	42,000	344.26
	<b>Sub-total</b>		<b>105</b>			600,000	4918.03
<b>2</b>	<b>Wood/Timber</b>						
<b>a</b>	Big	No.	4	13,500	27000	<b>108,000</b>	<b>885.25</b>

<sup>53</sup> This is nominal and only one hundred sixty USD. It is proposed as good practice to offer additional allowances.

<sup>54</sup> Dislocation allowance is part of resettlement assistance and is not covered under ARIPA 2017. This allowance is provided to support affected persons—particularly those who lose private land—in preparing and settling into new land they purchase. It is intended to help cover costs associated with making the new land usable, such as land preparation, fencing, connecting utilities, or initial setup. It is a separate and additional benefit beyond compensation for land or structures, ensuring the person can effectively re-establish activities although is not anticipated in this project but the owner may purchase similar land elsewhere.

#	Trees on private land	Unit	Quantity	Unit rate	Unit Rate (with 100% Premium)	Total BDT	Total USD
<b>b</b>	Medium	No.	0	6,500	13000	-	-
<b>c</b>	Small	No.	0	2,000	4000	-	-
	<b>Sub-total</b>		<b>4</b>			<b>108,000</b>	<b>885.25</b>
<b>c</b>	<b>Medicinal</b>						
<b>1</b>	Big	Number	0	5,500	11000	-	-
<b>2</b>	Medium	Number	5	4,000	8000	40,000	327.87
<b>3</b>	Small	Number	0	1,400	2800	-	-
	<b>Sub-total</b>		<b>5</b>			40,000	327.87
	<b>Total Compensation</b>		<b>114</b>			748000	6131
<b>3.3</b>	Value of fruits @ 30% of timber value for each grown up trees.	BDT	558,000)	30%	30%	167,400	1,372
	<b>Sub-total</b>					167,400	1,372
	<b>Total for Substations</b>					915,400	7503

Table-8.5: Compensation for Distribution Lines

#	Type of Loss	Unit	Quantity	Unit Rate	Total BDT	Total USD
<b>a</b>	Compensation for wage loss for 14 days (two weeks) @ Tk. 400/per day	person	7	5600	39,200	322
<b>b</b>	Compensation for Affected Vendors @BDT 10000 lumpsum	person	34	10000	340,000	2787
	<b>Total</b>				<b>379,200</b>	<b>3,109</b>

## IX: INSTITUTIONAL ARRANGEMENT

117. The Power Department, Ministry of Power, Energy and Mineral Resources (MPEMR) is the main Project coordinating body on behalf of Government of Bangladesh. NESCO, a public company under the Ministry of Power, Energy and Mineral Resource (MoPEMR), is representing the Government of Bangladesh as the Executing Agency (EA) and Implementing Agency (IA) of proposed project. Primary roles and responsibilities for project implementation and the overall project implementation arrangement and roles and responsibilities are in table 9.1. The roles of the PMU, to be established Environment and Social Unit (ESU) to enhance NESCO capacity, and project implementation and assistance consultant (PIAC) to be engaged to support PMU/NESCO in project implementation (which will have qualified social and environmental safeguard experts in the team, who will assist the NESCO with RP update, implementation, monitoring and reporting) and others are discussed below.

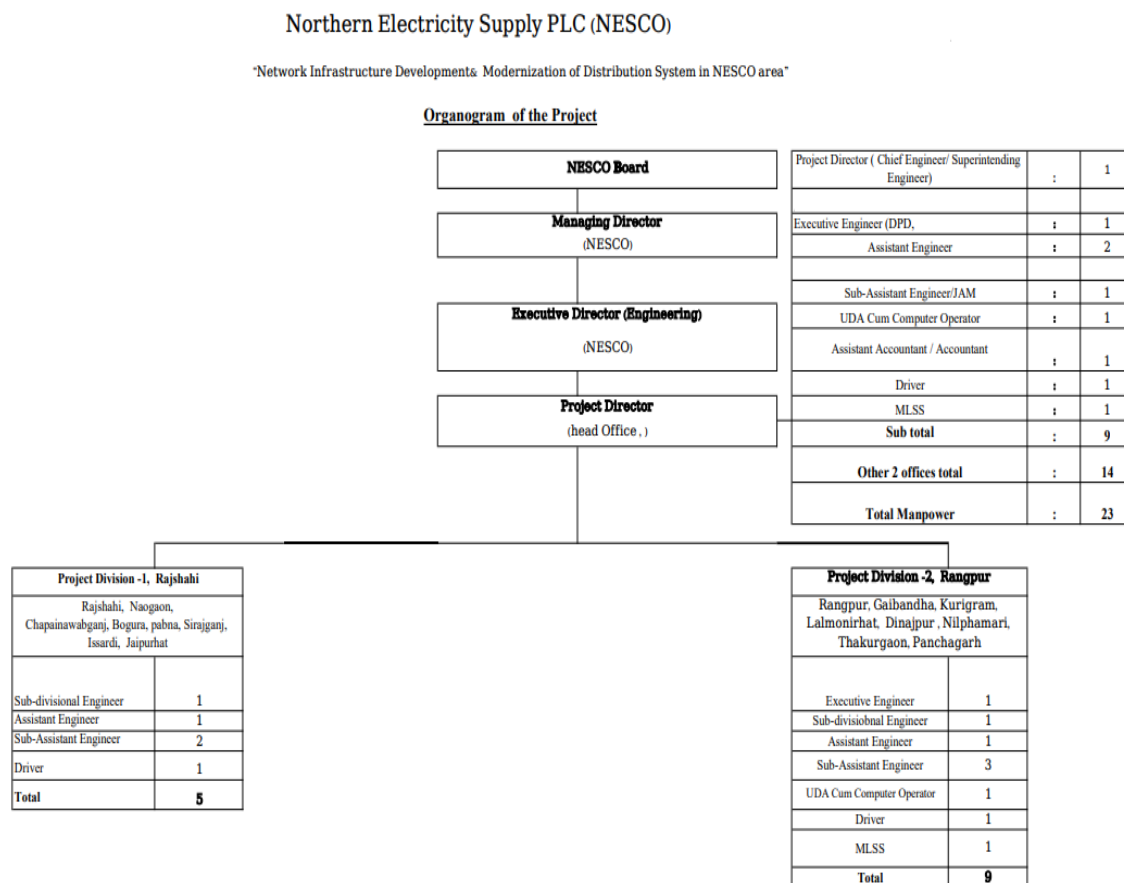
Table 9.1: Overall Project Management Roles and Responsibilities as per PAM

Organization	Management Roles and Responsibilities
Executing agency and Implementing agency: NESCO	<ul style="list-style-type: none"> <li>• Overall responsibility for ensuring project implementation, including timely submission of reports to ADB.</li> <li>• Processing of withdrawal applications to ADB.</li> <li>• Ensure that NESCO meets its counterpart fund requirements.</li> <li>• Ensure sufficient staff and budget resources for safeguards implementation.</li> <li>• Ensure compliance with loan covenants including social and environmental safeguards, finance, economic and others.</li> </ul>
NESCO (Project Management Unit) [PMU]	<p>(i) Conduct day-to-day project management</p> <ul style="list-style-type: none"> <li>• Procure goods and works ensuring EMP included in contract documents</li> <li>• Prepare withdrawal applications</li> <li>• Implement, supervise and monitor EMP and RP implementation</li> <li>• Issue project progress reports and safeguard monitoring reports</li> <li>• Operationalize the grievance redress mechanism and redress grievances in a timely manner</li> </ul> <p>(ii) Maintain project accounts and complete loan financial records</p> <p>(iii) Prepare financial statements and ensure timely conduct of audit</p>
ADB Project Team	<p>Oversee the project administration, monitor, and review overall project implementation</p> <ul style="list-style-type: none"> <li>• Field inception, review, midterm, special project administration, and project completion review missions to assess project implementation progress and compliance with the loan covenants.</li> <li>• Review and approve the PMU's submissions for procurement of goods, civil works, and services.</li> <li>• Timely disbursement of loan funds subject to the NESCO's submission of withdrawal applications.</li> </ul>

### 9.1 Project Organization Structure

118. The key staffing within NESCO's PMU is in Figure 1. The project director holds overall responsibility to oversee the project implementation, including planning, design, procurement, and execution according to the work schedule and safeguard compliance and semi-annual safeguard monitoring reports for ADB clearance. The project director is also responsible for financial and physical progress reports of the project on a monthly and quarterly basis to ADB, NESCO management, the Power Division of the Ministry of Power, Energy and Mineral Resources, and the Economic Relations Division of the Ministry of Finance. As the focal point of the project, the project director ensures fully compliance with the requirements of the government and ADB, and report directly to NESCO management.

Figure-2: Overall Organizational Structure (NESCO)



## 9.2 Overall Institutional Arrangements for Safeguards

119. NESCO will manage the project through its PMU and will establish its own ESU within approximately 18 to 24 months from the project effectiveness. Until the ESU will be staffed by full time qualified staff, NESCO will appoint its current 3 engineer staff as safeguard focals (1 environment focal, 1 social focal, and 1 social/gender focal) supported by safeguard experts of the PIAC. The designated engineer staff will be provided trainings on ADB SPS and national requirements by the PIAC in ccorination with ADB Bangladesh Resdient Mission. As the project components are mainly located in two divisions (disricts), they would be in capacity upon trainings and with support of safeguard specialists of the PIAC, to ensure safeguard oversight until the ESU will be set up. An environmental expert and a social safeguard cum labor expert will be appointed by PMU to support safeguard focals (from engineer staff) during project implementation (construction) until ESU can be staffed by full time qualified staff.

120. The PIAC will have qualified social and environmental experts in the team, to assist the NESCO with the RP update, implementation, monitoring and reporting. NESCO allocated staff will be responsible for overseeing the work of the PIAC on safeguards compliance, carry out supervision of IR safeguards and contractors' performance. The PIAC safeguard expert with PMU staff will monitor and supervise the contractor's performance through regular site visits, guide contractors in filling up the sites/sections specific IR impact checklists and conduct detailed measurement surveys (DMS) and report to NESCO/PMU. The filled-up checklists

shall be included in NESCO's regular semi-annual monitoring reports to ADB. In case of any change in the project scope or any unanticipated IR impact or unidentified APs, NESCO will inform ADB and prepare a corrective action plan and/or addendum to the RP to meet ADB SPS and national laws, and implement upon ADB clearance, and ensure compensation and other entitlements payment before any construction works start in the APs impacted sites.

121. As mentioned above, NESCO will establish ESU to enhance its safeguard capacity and resources with dedicated safeguard staff. Safeguards capacity building trainings on social and environmental safeguards and monitoring and supervision will be provided to NESCO staff and contractors by PIAC in coordination with ADB country office.

#### **9.4 NESCO's PMU**

122. NESCO will be overall responsibility for environmental and social safeguards. NESCO has already established a dedicated PMU to lead the project implementation. The PMU is headed by a Superintending Engineer with 5 Executive Engineers from Design & Inspection, Procurement and System Planning department of NESCO; 1 Deputy General Manager from ICT division; 1 Deputy Manager from ICT, 5 Subdivision Engineers from Rangpur Project, Rajshahi Project, Civil Dept. of NESCO; 2 Assistant Engineers. The Proposed Project's Organogram contains 1 Project Director (Chief Engineer/Superintending Engineer); 1 Deputy Project Director (Superintending Engineer/ Executive Engineer); 1 Executive Engineer; 2 Sub-divisional Engineer; 4 Assistant Engineers and 6 Sub-Assistant engineers. PMU will be supported by PIAC and the ESU when latter will be set up. A key role of the PMU is to supervise and monitor environmental safeguards compliance. NESCO will ensure sufficient PMU staff and budget are assigned to implement the safeguards requirements, supervise, and monitor the RP implementation and report to ADB.

123. NESCO/PMU will be required to submit semiannual social monitoring reports until the ADB project completion report is issued. Separate environmental and social monitoring reports will be due by the 15th of the month following the period end. These reports will be disclosed on ADB's website.

124. The subdivision and assistant engineers assigned to each contract package can be responsible for ensuring day-to-day checks are undertaken but the role should be assigned separately so to ensure focus on environment, social and EHS aspects rather than on doubling up with having to manage engineering matters. They will need on-the-job training regarding safeguards issues. A key role of the PMU is to supervise and monitor environmental and social safeguards compliance and report to ADB up until issue of the project completion report. On commissioning of the project components these will be turned over to NESCO O&M staff to operate and maintain. NESCO ensures contractors workers abide, in their behaviour and work, to directives issued by their employer with regards to environmental, social and health and safety management.

#### **9.3 Environment and Social Unit**

125. The ESU to be established at NESCO corporate level will be on a full-time basis. As mentioned above, until ESU will be staffed by full time qualified staff, under PMU safeguard focal will be of 3 engineer staff, supported by PIAC and provided safeguard trainings by PIAC and in coordination with Bangladesh Resident Mission of ADB. An environmental expert and social safeguards expert (resettlement and labor) is proposed to be appointed by PMU to support project implementation (construction) until permanent ESU can be staffed by full time qualified staff. Terms of reference of social safeguard and labour expert is provided in

Annexure 11. The ESU upon establishment will support NESCO for social safeguards tasks including but not limited to followings:

- Update draft RP based on detailed design and any unanticipated impact during implementation (by addendums as applicable), collect and analysis of data through field surveys and secondary sources.
- Participate in consultations with APs, communities, other stakeholders, monitoring through field visits the safeguards compliance.
- Facilitating timely and effective implementation of the RP in line with project schedules, planning, management, monitoring, and implementation of RP.
- Ensuring the availability and timely allocation of budgets for all resettlement activities.
- Synchronizing resettlement activities with contractor schedules to avoid implementation delays.
- Supervising, managing, and maintaining records of all entitlement payments to Affected Persons (APs), grievances and their resolution.
- Coordinate the GRM to address and resolve complaints efficiently.
- Prepare regular semiannual safeguard monitoring reports, and RP implementation progress report.
- Make budgetary arrangements in advance for the preparation, updating, and implementation of the RP.
- Training staff and on-site support, ensure supervisions and monitoring of various safeguards issues including to compliance with labour standards and laws
- Ensure the project adherence to the core labor standards as per the requirements of the International Labor Law, labor regulations of Bangladesh, and ADB SPS, and monitoring and reporting on the labor issues.

#### **9.4 Project Implementation Assistance Consultant - PIAC**

126. NESCO will engage a PIAC to be financed by NESCO with inputs required for the individual experts and their responsibilities for supervision of construction contractors. The PIAC will have Three experts such as (i) Environment Expert, ii) Health and Safety Expert and (iii) Social & safeguard Expert (resettlement and labor). The PIAC can be a consulting firm. PIAC's social safeguard expert will ensure compliance with resettlement plan while adhering to detailed design standards and to assess any additional impacts that may arise during detailed design. The PIAC will also support the ESU with updating of the RP in response to final designs and route alignments of the contractor before works can be started. Key tasks of the PIAC are but not limited to the following:

- Updating and verifying resettlement impacts (land, livelihoods, crops, trees, etc.) and update the draft Resettlement Plan accordingly.
- Conducting supervision and monitoring of contractor activities to ensure full compliance RP implementation in compliance with the ADB SPS requirements,
- Assist NESCO and meaningful consultation with stakeholders, affected people and communities, and grievance redress
- Supporting NESCO's PMU and regional units in planning, implementation, monitoring, and reporting on safeguards compliance to financing agencies.
- Assisting in developing and delivering training programs on environmental and social safeguards to improve staff and stakeholder capacity.
- Assist PMU, ESU in updating, implementing and monitoring of RP
- Assist PMU and ESU in grievance redress and record keeping.

## **9.5 Contractor**

127. The contractor will be responsible to comply with safeguard requirements. It will provide information to the PMU, ESU and PIAC in case of any grievance (and recording all grievances), change in the line alignment and any impacts that may arise during construction so that the impacts can be mitigated and compensated, and grievances resolved timely. The contractor will also record and inform any grievances that may arise during implementation due to construction. The contractor will be responsible for assessing and compensating any damages that may be caused by the contractor's performance during construction.

## **9.6 Other Agencies Involved in the Resettlement Process**

### **9.6.1 Role of Deputy Commissioner's Office**

10 The Deputy Commissioner (DC)<sup>55</sup> plays a crucial role in the Land Acquisition process under the Acquisition and Requisition of Immovable Property Act, 2017. The DC holds the legal responsibility for acquiring land and disbursing compensation directly to APs. The DC has access to land records and legal authority to determine land titles and eligibility for Cash Compensation under Law (CCL) for land and other assets.<sup>56</sup>

128. The DC is responsible for demarcating the alluvial-diluvia line (AD Line) to identify public areas required for project infrastructure. The Implementing Agency, NESCO will collaborate with the DC's representatives during Joint Verification Surveys (JVS) of affected properties and market surveys to finalize compensation budgets.

129. For the project, the DC will appoint land acquisition officer (LAO) in each affected district, with deputed officers assigned in each upazila for identifying owners and processing compensation documentation. These officers manage land records and revenue matters. The DC offices will receive funds for cash compensation under law from NESCO and disburse compensation to the affected households (owners) immediately after issuance of legal notices.

### **9.6.3 Others as Relevant**

130. For complex project with significant land acquisition, the Ministry of Land in Bangladesh sometimes form a Property Valuation Advisory Committee (PVAC) at the district level, responsible for determining compensation for land and other assets. However, for this project, this may not be relevant as the area of land required is minimal.

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<sup>55</sup> This is a permanent position and the nodal role for land acquisition as mentioned in sections above.

<sup>56</sup> DC is the head of district dealing with land and administration. They have land and revenue department where records of all titled owners are kept.

## **X. IMPLEMENTATION SCHEDULE**

131. Activities related to social safeguards include preparation of draft and updated RPs and their implementation, public consultations and information disclosure, and disclosure of draft and updated RPs (and addendums as will be needed), payment of compensation and other assistance, grievance redress, monitoring, livelihood restoration and so on. Under this project, for substations, payment of all compensations and entitlements shall be completed before sites where resettlement or economic impact is identified, are handed over to the contractor and the commencement of the construction/installation works. All land will be freed from any encumbrances before they are handed over to the contractor. For lines, given the relatively large area is covered by the distribution lines and technical design is not yet detailed and final, potential resettlement and economic impact losses shall be screened and updated based on detailed technical design before construction works, and any unavoidable impact should be compensated before start of construction works (and during/upon construction if identified at construction process).

132. The census of affected households to be updated and verified during the RP update, including on identification and verification of vulnerable households and severity of impact.

133. A phase wise approach can be adopted for the line where construction can start in sections where compensation is paid for any losses, and/or has no IR impact. Public consultations, information disclosure, grievance redress processes and monitoring will continue for the entire duration of the project. Table 10.1 presents tentative implementation schedule for resettlement activities. The implementation schedule in table for resettlement activities is tentative and subject to adjustment based on the actual progress of RP implementation and construction works.



## **XI. MONITORING AND REPORTING**

134. NESCO will ensure monitoring the safeguard compliance in project implementation, timely update of unanticipated or new impact, implementation of RP, timely delivery of compensation and entitlements, consultations and grievance redress to ensure smooth implementation of the project. Monitoring will enable the PMU to get feedback including from field works to work out remedial measures to ensure safeguard compliance and achievement of project targets within the planned schedule. The progress of all aspects of land purchasing, resettlement and income restoration will be monitored through the PMU.

135. As project is category B for IR, monitoring will be conducted internally by NESCO. NESCO will ensure internal monitoring of social safeguards and the RP implementation. Internal monitoring will be carried out by PMU (until the ESU will be established under NESCO) and supported by the PIAC. NESCO will submit to ADB semi-annual social safeguard monitoring reports from project effectiveness date until the project completion report issued, covering reporting periods from January to June, and July to December, to be submitted to ADB by 15<sup>th</sup> of following months upon the reporting period. In case of any major non-compliance issues or undefined IR impact, ADB may require additional monitoring reports on more frequent base. Monitoring reports will be disclosed on the ADB website after clearance.

136. Monitoring reports shall reflect the status of contract awards and construction works, RP implementation and compensation payment progress, any unanticipated or newly IR impact and APs, status of corrective actions as applicable, grievances and status of their resolutions, disclosure and consultations, and any IR and social issues raised by APs, communities or public and civil society organizations and other monitoring indicators as applicable to the project and any unanticipated impact including but not limited to following: (i) consultation and disclosure activities with APs, communities and stakeholders, with records and documentation of the same, (ii) GRM set up, functional, grievances and resolutions, (iii) project staff mobilization, safeguard trainings provision, (iv) mobilization of PIAC safeguard staff timely, (v) update of the draft RP and its implementation, (vi) additional Surveys and census for the identification of APs, baseline and socio-economic data, inventory of losses as will be applicable, conducted timely, (vii) securing resettlement budget, (viii) number of households compensated and assisted, (ix) number of affected persons purchasing agricultural land, (x) amount of compensation disbursed, (xi) amount of resettlement benefits disbursed, (xii) share of affected people attended consultations and aware of project and its safeguards measures.

## Annex-1: Project Component and Locations

#	Component Name	District	Sub District	Mouza Name	GPS coordinate
<b>A New Substations</b>					
1	Chandipur S& DD-2, Rajshahi (2*20/26 MVA GIS SS)	Rajshahi	Rajpara	Chandipur	24.36971899 88.574363155
2	Kodomtola (AIS) S&DD-1, Pabna (New Land) (2*10/13.33 MVA AIS SS)	Pabna	Pabna Sadar	Chara Asutuspur	24.99176417 89.25866888
3	S&D1 Campus (GIS), S & DD-1, Bogura (2*20/26 MVA GIS SS)	Bogura	Bogura Sadar	Sutrapur	24.84887986 89.3748620
4	Campus S&D-1, NESCO, Rangpur (GIS) S & DD-1, Rangpur (2*20/26 MVA GIS SS)	Rangpur	Rangpur Sadar	Alamnagar	25.74055537 89.25528869
5	Baharkasna (S&D-3), Rangpur (2*10/13.33 MVA AIS SS)	Rangpur	Rangpur Sadar	Sahebganj	25.77051246 89.30059355
6	S&DD-1, office campus, Shuihari, Dinajpur (2*10/13.33 MVA AIS SS)	Dinajpur	Dinajpur Sadar	Suihari	25.65808654 88.6475578
<b>B Substation Augmentation/renovation (33/11 Existing AIS Substation Renovation)</b>					
1	Fakirpara under S&DD-1, NESCO, Dinajpur,	Dinajpur	Dinajpur Sadar	Fakirpara	25.64371379 88.64807546
2	Balubari under S&DD-2, NESCO Dinajpur.	Dinajpur	Dinajpur Sadar	Prannath Pur	25.62377133 88.63952927
3	Upasahar under S&DD-2, NESCO, Dinajpur,	Dinajpur	Dinajpur Sadar	Skekhpora	25.61448907 88.64704315
4	Setabgonj under ESU, NESCO, Setabgonj.	Dinajpur	Bochaganj	Dhontola	25.80128937 88.46510287
5	Panchagarh substation under S&DD-Panchagarh.	Panchagarh	Panchagarh Sadar	Dhakkamara	26.346062 88.557315
6	Katkipara under S&DD-2, NESCO, Rangpur.	Rangpur	Rangpur Sadar	Satghara	25.7500389 89.23160277
7	Mahigonj under S & DD-3, NESCO, Rangpur,	Rangpur	Rangpur Sadar	Nasnia	25.73365069 89.29206178
8	Dhanghora under S&DD-2, NESCO, Gaibandha.	Gaibandha	Gaibandha Sadar	Danghor	25.3228079 89.508532
9	Niamotpur & Golahat under S&DD, NESCO, Saidpur, Nilphamari,	Nilphamari	Saidpur	Niamatpur, Golahat	Niamatpur 25.78025723 88.91052269 Golahat 25.812746, 88.885509
10	Noyagola GIS S& DD-1, Chapainababgang (only Transformer) (2*20/26 MVA GIS SS) Upgradation	Chapainababgang	Chapainababgang Sadar	Noyagola	24°37'1.54"N 88°18'5.85"E
<b>C Substation Bay Extensions (Type Bay Breaker)</b>					

1	Nurpur grid, Pabna	Pabna	Pabna Sadar	Radhanagar	24.02249435 89.2336818
2	Jaynagar grid, Ishwardi, Pabna (from T-3 Transformer)	Pabna	Ishwardi	Jaynagar	24.09658648 89.08300035
3	Natore Grid, Natore	Natore	Natore	Natore	24°24'42.32"N 89° 0'31.24"E
4	Jaldhaka Grid, Nilphamari	Nilphamari	Jaldhaka	Jaldhaka	26° 2'32.85"N 88°59'38.46"E
5	Amnura Grid, Chapainawabganj	Chapainawabganj	Chapainawabganj Sadar	Amnura	24.63411695 88.40193489
6	Sabgram Grid, Bogura	Bogura	Bogura Sadar	Chalk Alam	24.8684830 89.41141479
7	Mohasthan Grid, Bogura	Bogura	Mohasthan Ghor	Nagor Kandhi	24.95937896 89.35678783
8	Puran Bogura Grid, Bogura	Bogura	Bogura Sadar	Puran Bogura	24.84117836 89.35108421
9	Dupchachiya grid, Bogura	Bogura	Dupchachiya	Jogonnath Nagar	24.86663672 89.16250008
10	Naogaon Grid	Naogaon	Naogaon Sadar	Pirojpur	24.80311435 88.96394714
11	Golahat grid, Sayedpur, Nilphamari	Nilphamari	Sayedpur	Golahat	25.81290778 88.88559975
12	Taraganj grid SS	Rangpur	Taraganj	Ikochali	25.810957 89.00976
13	Lalmonirhat Grid, Lalmonirhat	Lalmonirhat	Lalmonirhat		25°55'3.54"N 89°27'14.96"E
14	Kurigram Grid, Kurigram	Kurigram	Kurigram		25°48'32.80"N 89°35'39.11"E
<b>D Substation switching station and Bay Extensions (Type bay Extension and Switching Station)</b>					
1	Rangpur (PGCB 132/3 kV Rangpur)	Rangpur	Rangpur Sadar	Alam Nagar	25.72850379 89.25239459
2	Kathakali 132 kV PGCB, Kathakali	Rajshahi	Paba	Shomshajipur	24.36602538 88.67532168
3	Purbosadipur (PGCB Purbasadpur 230/132/33)	Dinajpur	Kaharul	Beldhanga	25.7540549 88.67887761
<b>E Substation switching Station (GIS/AIS 33 kv GIS/AIS 33 kv Switching station and bay construction, extension, shifting)</b>					
1	Pabna AIS (only Panel Shifting)	Pabna	Pabna Sadar	Radhanagar	24.02376282 89.23458522
2	Hatibandha Grid, Hatibandha (Under construction)	Lalmonirhat	Hatibandha	Borokata	26.20787436 89.08885044
3	Thakurgaon (PGCB Thakurgaon)	Thakurgaon	Thakurgaon Sadar	Sit Chilarong	26.03847432 88.42552654
4	Chapainawabganj (PGCB substation)	Chapainawabganj	Chapainawabganj Sadar	Horipur	24.5796615 88.28957979
<b>F Overhead 33kv Lines (33.73 Km)</b>					
1	Nurpur Grid to Bolorampur Kodomtola Proposed Sub-station (8km)	Pabna	Pabna Sadar	Nurpur, Singha, Salgaria, Laskarpur, Duarpara, Arifpur, Bolorampur	
2	Chondipur to Miapur Grid, Rajshahi (8km)	Rajshahi	Rajshahi City and Paba	Kazihata, Rajpara, Hologram, Lokkhipur, Mollahpara, Aliganj and Khirshen	
	Rajshahi Link Line,	Rajshahi	Rajshahi City	Sreerampur, Kazihata	

	Rajshahi (1 km)				
3	Lalbag To Proposed Baharkasna Sub-station, Rangpur (11.6 km)	Rangpur	Rangpur City	Alamnagar, Tajhat, Baharkasna, Kamal Kasna	
	Lalbag to Shapla, S&D 1 Rangpur (1.8 km)	Rangpur	Rangpur City	Alamnagar	
4	Puran Bogra Grid To Bogra S&D Campas -1, Bogura (2.9 km)	Bogura	Bogura Sadar	Seojgari, Sutrapur and Malgram	
5	Dinajpur Interconnection line (0.33 km)	Dinajpur	Dinajpur Sadar	Uttar Gosaiपुर	
<b>G Workshops</b>					
1	Shalbagan, Rajshahi	Rajshahi	Rajshahi City/Boalia	Choto Bangram	24.38380861 88.60961359
2	ZRS, Bogura (Near Rest house)	Bogura	Bogura Sadar	Malgram	24.84190548 89.35286701
3	Lalbag, Rangpur	Rangpur	Rangpur Sadar	Alamnagar	25.72888284 89.25238755
4	Dinajpur	Dinajpur	Dinajpur Sadar	Prannath Pur	25.62409903 88.63890398
<b>H Buildings, Equipment &amp; Softwires</b>					
1	Disaster Recovery Center, Lalbagh	Rajshahi	Rajshahi City/Boalia	Boalia	25°43'46.08"N 89°15'8.04"E
2	Data Centre Expansion	Rajshahi	Rajshahi City/Boalia	Boalia	24°22'26.77"N, 88°36'11.45"E
<b>I Central Store</b>					
	Central Store Bogura	Bogura	Bogura Sadar	Malgram	24.84161825 89.3535888
<b>F Solar Rooftop</b>					
1	installation of 200 kW rooftop solar with battery storage	Various parts of NESCO			
2	installation of 300 kW solar photovoltaic nano-grid system	Various parts of NESCO			

## Annex 2: Total Land Required for Component (in acres)

S L N o	Component Name	Required land acre/ line length km	Private Land	PGCB/NE SCO/Gov. Own Land	Purcha se
<b>A New Substations (land in acre)</b>					
1	Chandipur S& DD-2, Rajshahi (2*20/26 MVA GIS SS)	0.06	0.000	0.06	0.000
2	Kodomtola (AIS) S&DD-1, Pabna (New Land) (2*10/13.33 MVA AIS SS)	0.60	0.600	0.000	0.600
3	S&D1 Campus (GIS), S & DD-1, Bogura (2*20/26 MVA GIS SS)	0.057	0.000	0.057	0.000
4	Campus S&D-1, NESCO, Rangpur (GIS) S & DD-1, Rangpur (2*20/26 MVA GIS SS)	0.06	0.000	0.06	0.000
5	Baharkasna (S&D-3), Rangpur (2*10/13.33 MVA AIS SS)	0.56	0.56	0.000	0.56
6	S&DD-1, office campus, Shuihari, Dinajpur (2*10/13.33 MVA AIS SS)	0.40	0.000	0.40	0.000
	<b>Sub Total</b>	<b>1.737</b>	<b>1.16</b>	<b>0.577</b>	<b>1.16</b>
<b>B Substation Augmentation/renovation (33/11 AIS Substation Upgradation &amp; 1 nos 33/11 KV GIS Substation upgradation)</b>					
1	Fakirpara under S&DD-1, NESCO, Dinajpur,	0.50	0.000	0.50	0.000
2	Balubari under S&DD-2, NESCO Dinajpur.	0.60	0.000	0.60	0.000
3	Upasahar under S&DD-2, NESCO, Dinajpur,	0.48	0.000	0.48	0.000
4	Setabgonj under ESU, NESCO, Setabgonj.	0.40	0.000	0.40	0.000
5	Panchagarh substation under S&DD-Panchagarh.	0.45	0.000	0.45	0.000
6	Katkipara under S&DD-2, NESCO, Rangpur.	0.400	0.000	0.400	0.000
7	Mahigonj under S & DD-3, NESCO, Rangpur,	0.360	0.000	0.360	0.000
8	Dhanghora under S&DD-2, NESCO, Gaibandha.	0.490	0.000	0.490	0.000
9	Niamotpur under S&DD, NESCO, Saidpur, Nilphamari,	1.000	0.000	1.000	0.000
10	Noyagola GIS S& DD-1, Chapainababgang (only Transformer) (2*20/26 MVA GIS SS) Upgradation	0.06	0.000	0.06	0.000
	<b>Sub-total</b>	<b>4.74</b>	<b>0.000</b>	<b>4.74</b>	<b>0.000</b>
<b>C Substation Bay Extensions (Type Bay Breaker)</b>					
1	Nurpur grid, Pabna	0.03	0.000	0.03	0.000
2	Jaynagar grid, Ishwardi, Pabna (from T-3 Transformer)	0.018	0.000	0.018	0.000
3	Natore Grid, Natore	0.006	0.000	0.006	0.000
4	Jaldhaka Grid, Nilphamari	0.012	0.000	0.012	0.000
5	Amnura Grid, Chapainawabganj	0.012	0.000	0.012	0.000
6	Sabgram Grid, Bogura	0.024	0.000	0.024	0.000
7	Mohasthan Grid, Bogura	0.012	0.000	0.012	0.000
8	Puran Bogura Grid, Bogura	0.006	0.000	0.006	0.000
9	Dupchachiya grid, Bogura	0.03	0.000	0.03	0.000

<b>S L N o</b>	<b>Component Name</b>	<b>Required land acre/ line length km</b>	<b>Private Land</b>	<b>PGCB/NE SCO/Gov. Own Land</b>	<b>Purcha se</b>
10	Naogaon Grid	0.018	0.000	0.018	0.000
11	Golahat grid, Sayedpur, Nilphamari	0.018	0.000	0.018	0.000
12	Taraganj grid SS	0.012	0.000	0.012	0.000
13	Lalmonirhat Grid, Lalmonirhat	0.006	0.000	0.006	0.000
14	Kurigram Grid, Kurigram	0.012	0.000	0.012	0.000
	<b>Sub-total</b>	<b>0.216</b>	<b>0.000</b>	<b>0.216</b>	<b>0.000</b>
<b>D</b>	<b>Substation Switching Station and Bay Extensions/33 KV Switching Substation (GIS)</b>				
1	Rangpur (PGCB 132/33 kV Rangpur)	0.08	0.000	0.08	0.000
2	Purbosadipur (PGCB Purbasadpur 230/132/33)	0.08	0.000	0.08	0.000
3	Kathakali 132 kV PGCB, Kathakali	0.1	0.000	0.1	0.000
	<b>Sub-total</b>	<b>0.26</b>	<b>0.000</b>	<b>0.26</b>	<b>0.000</b>
<b>E</b>	<b>Substation Switching Station (GIS/AIS 33 kV)/ 33 KV Switching Sub Station Installation &amp; Shifting (AIS)</b>				
1	Pabna AIS (only Panel Shifting)	0.10	0.000	0.10	0.000
2	Hatibandha grid (Proposed)	0.40	0.000	0.40	0.000
3	Thakurgaon (PGCB Thakurgaon)	0.10	0.000	0.10	0.000
4	Chapainawabganj (PGCB substation)	0.10	0.000	0.10	0.000
	<b>Sub-total</b>	<b>0.70</b>	<b>0.000</b>	<b>0.70</b>	<b>0.000</b>
<b>G</b>	<b>Workshops</b>				
1	Shalbagan, Rajshahi	0.30	0.000	0.30	0.000
2	ZRS, Bogura (Near Rest house)	0.24	0.000	0.24	0.000
3	Lalbag, Rangpur	0.23	0.000	0.23	0.000
4	Dinajpur	0.1	0.000	0.1	0.000
	<b>Sub-total</b>	<b>0.87</b>	<b>0.000</b>	<b>0.87</b>	<b>0.000</b>
<b>H</b>	<b>Buildings, Equipment &amp; Softwires</b>				
1	Disaster Recovery Center, Lalbagh		0.000	0.000	0.000
2	Data Centre Expansion		0.000	0.000	0.000
			0.000	0.000	0.000
	<b>Sub-total</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>
	<b>Grand Total</b>				

### Annex-3 : Details of Affected Households and Types of Losses

SL No	Component Name	Affected entities type		
		Only Land affected	Land Tress and Structures	Total Entities
<b>A</b>	<b>New Substations (land in acre)</b>			
1	Chandipur S& DD-2, Rajshahi	0	0	<b>0</b>
2	Kodomtola (AIS) S&DD-1, Pabna (New Land)	0	5 (0.600 acres of land) (114 trees) (1 structure)	<b>5</b>
3	S&D1 Campus (GIS), S & DD-1, Bogura	0	0	<b>0</b>
4	Campus S&D-1, NESCO, Rangpur (GIS) S & DD-1, Rangpur	0	0	<b>0</b>
5	Baharkasna (S&D-3), Rangpur	1 (0.560 acre of land)	0	<b>1</b>
6	S&DD-1, office campus, Shuihari, Dinajpur	0	0	<b>0</b>
7	Noyagola GIS S& DD-1, Chapainababgang (only Transformer)	0	0	<b>0</b>
	<b>Sub Total</b>	<b>1</b>	<b>5</b>	<b>6</b>

**Annex-4 : Details of Affected Persons due to Permanent Land Acquisition of Private Land**

SL	Name of HHH	Father/Husband	Mobile Number	Chain age	Village/Road Number	Union/Ward	Mouza Name	Upazila	District	Type of HH/Entities	Structure SL	Use of Structure	Type of Structure	No. of Structure	Area of Structure	No. of Tenant	No. of Wage Labor
<b>A Baharkasna (S&amp;D-3), Rangpur (2*10/13.33 MVA GIS SS)</b>																	
1	MD. ASLAM HOSSAIN	ABU HENA MD. REJAUL KARIM	01713176921		SHAHEB GANJ	9 No Ward	Shahebganj	Ranjpur Sadar	Rangpur	Only Land							
<b>B Kodomtola AIS, Sub-station, Pabna</b>																	
1	Md. Saddam Hossain Mitho	Abdul Latif	01711450954		Bolorampur	Dogasi	Chor Ashoto shpur	Pabna Sadar	Pabna	Land Trees & Structures	1	Godun	Semi-Pucca	1	24		
2	Habibur Rahman	Abdul Latif	01711450954		Bolorampur	Dogasi	Chor Ashoto shpur	Pabna Sadar	Pabna	Land Trees & Structures	1	Godun	Semi-Pucca	1	24		
3	Hanif Hossain Roni	Abdul Latif	01714859002		Bolorampur	Dogasi	Chor Ashoto shpur	Pabna Sadar	Pabna	Land Trees & Structures	1	Godun	Semi-Pucca	1	24		
4	Abdul Hasan Roni	Abdul Latif	01711450954		Bolorampur	Dogasi	Chor Ashoto shpur	Pabna Sadar	Pabna	Land Trees & Structures	1	Godun	Semi-Pucca	1	24		
5	Abdul Halim	Abdul Latif	01714859002		Bolorampur	Dogasi	Chor Ashoto shpur	Pabna Sadar	Pabna	Land Trees & Structures	1	Godun	Semi-Pucca	1	24		

### Annex-5: List of Affected Vendors to be Temporarily Affected by the Distribution Line

SL	Name of HHH	Father/Husband	Mobile Number	Chainage	Village/Road Number	Union/Ward	Mouza Name	Upazila	District	Type of Business	Yearly Income	Yearly Expenditure	Total Family Member
<b>A Rangpur: Lalbag To Shapla 1.77 km</b>													
1	Nazrul Islam	Md. Mansur	01783315481	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	182,000	148,500	4
2	Raju Ahmed	Shahed Ahmed	01318992367	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	142,600	126,400	5
3	Shahidur	L/ Shahadat Hossain	01537389834	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	157,000	142,000	5
4	Tanim	L/Anwarul	01738605401	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	135,000	130,000	4
5	Anamul Haque	L/ Mofij Uddin	01792788317	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	142,000	132,500	4
6	Piyal	Nobi Hossain	01948039958	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Electric	126,000	120,000	3
7	Mithu	Uzir Bepari	01317108517	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	138,600	125,000	5
8	Mannan	L/ Ishaq Ali	01884366479	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	130,000	115,000	5
9	Imran	L/Altaf Hossain	01927307215	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	142,000	132,000	4
10	Niyamul	L/ Mostofa Mia	01824416865	0 to 1	College Rd Chandrar Mor	26 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	126,000	120,000	3
11	Dipok	Dilip	01739290273	1 to 1.77	Habibnagar	21 No Ward	Alamnagar	Rangpur City	Rangpur	Tea Stall	135,000	124,500	5
<b>B Rangpur: Lalbag To Baherkasna 11.350 km</b>													
1	Tareq Billal	L/ Rafiqul	0172209444	2 to 3	Ashratpur	28 No Ward	Tajhat	Rangpur City	Rangpur	Tea Stall	118,000	115,000	4
2	Sabur Mia	Abdul Hai	01718645609	2 to 3	Ashratpur	28 No Ward	Tajhat	Rangpur City	Rangpur	Tea Stall	134,000	120,000	5
3	Monjurul Islam	Sabur Mia	01722774602	2 to 3	Ashratpur	28 No Ward	Tajhat	Rangpur City	Rangpur	Tea Stall	156,000	134,000	5
4	Halim	L/Gias Uddin	01712506800	3 to 4	Arsadnagar	28 No Ward	Tajhat	Rangpur City	Rangpur	Tea Stall	122,000	115,400	4
5	Kasem	L/ Chan Mia	01734372930	3 to 4	Arsadnagar	28 No Ward	Tajhat	Rangpur City	Rangpur	Decorator	144,000	123,000	4
6	Md. Adil	L/ Mukbul Hossain	01877986295	5 to 6	Sathmatha	29 No Ward	Tajhat	Rangpur City	Rangpur	Tea Stall	136,000	125,000	3
<b>C Puran Bogra Grid To Bogra S&amp;D Campas -1 (3.112 km)</b>													
1	Aminul	Afzal	01307266151	0 to 1	Sehojgari	8 No Ward	Sehojgari	Bogura City	Bogura	Tea Stall	138,000	130,000	4
2	Kisor	Boloram	01307266152	0 to 1	Sehojgari	8 No Ward	Sehojgari	Bogura City	Bogura	Tea Stall	115,600	110,000	4

SL	Name of HHH	Father/Husband	Mobile Number	Chainage	Village/Road Number	Union/Ward	Mouza Name	Upazila	District	Type of Business	Yearly Income	Yearly Expenditure	Total Family Member
3	Ataur	Mofizul	01718663425	0 to 1	Sehojgari	8 No Ward	Sehojgari	Bogura City	Bogura	Tea Stall	125,000	116,500	3
4	Motiar Rahman	Bakul	01906904059	0 to 1	Station Rd	8 No Ward	Sehojgari	Bogura City	Bogura	Fruite Shop	145,000	123,300	5
5	Azibur Rahman	Abdul Malek	01906904059	0 to 1	Station Rd	8 No Ward	Sehojgari	Bogura City	Bogura	Fruite Shop	152,000	136,700	4
6	Salam	Jamal	01970638544	0 to 1	Station Rd	8 No Ward	Sehojgari	Bogura City	Bogura	Fruite Shop	143,000	124,700	4
7	Rabiul	L/ Afjal Hossain	01729761591	0 to 1	Sathmatha	8 No Ward	Sehojgari	Bogura City	Bogura	Fruite Shop	136,000	122,300	5
8	Azizul Islam	L/ Habibur	01729761591	0 to 1	Sathmatha	8 No Ward	Sehojgari	Bogura City	Bogura	Fruite Shop	126,000	114,700	4
9	Abu Bokko	L/ Keramot Ali	01822576818	0 to 1	Sathmatha	8 No Ward	Sehojgari	Bogura City	Bogura	Tea Stall	124,000	112,600	4
10	Sekandar Ali	L/ Jobed Ali	01964784479	1 to 2	Jamilnagar	8 No Ward	Malgram	Bogura City	Bogura	Tea Stall	120,000	95,000	3
11	Alam Hossen	Nurmohammad	01786207127	1 to 2	Jamilnagar	8 No Ward	Malgram	Bogura City	Bogura	Tea Stall	134,000	110,000	3
12	Sajol	Lokman Ali	01717047761	1 to 2	Jamilnagar	8 No Ward	Malgram	Bogura City	Bogura	Hotel	155,000	92,500	4
13	Hannan	Sajahan	01739711838	1 to 2	Kamargari	8 No Ward	Malgram	Bogura City	Bogura	Tea Stall	127,000	105,000	4
14	Pappu	Sobhan	01969390981	1 to 2	Kamargari	8 No Ward	Malgram	Bogura City	Bogura	Hotel	140,000	111,500	5
15	Habibur	Abdul Samad	01969390981	1 to 2	Kamargari	8 No Ward	Malgram	Bogura City	Bogura	Hotel	138,000	116,400	4
16	Rasid	L/ Okib Uddin	01964784479	1 to 2	Kamargari	8 No Ward	Malgram	Bogura City	Bogura	Fruite Shop	130,000	97,000	3
17	Sowkot Mia	Almas Mia	01861900013	2 to 3.112	Malgram	15 No Ward	Malgram	Bogura City	Bogura	Tea Stall	124,500	97,600	4

## Annex-6: Details of Records of Social Due Diligence

### A. New Sub-Stations

#### A1. Chandipur S& DD-2, Rajshahi (2\*20/26 MVA GIS SS) (Nesco owned land will not be compensated)

No.	REQUIRED INFORMATION	DESCRIPTION																															
	Name of Existing Substations/Workshop/ Bay Extension and other Facilities	Chandipur S& DD-2, Rajshahi (2*20/26 MVA GIS SS)																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1.	Name of the District	Rajshahi																															
2.	Name of the Sub-district/Upazila	Thana-Rajpara																															
3.	Name of the Village/Block	Chandipur																															
4.	Name of The Mouza	Chandipur																															
5.	Name of the Union/Ward	Word-8																															
6	Coordinates of the land	Latitude:24.36971899 Longitude: 88.574363155																															
7	Surrounding landscape:	<b>North: Residence</b> <b>South: Residence</b> <b>East: Residence</b> <b>West: Road and Mather bosks college</b>																															
8	Present Status of Proposed Land	Abandon land																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016																															
10	What is the approximate total area of the substation/facility	0.06 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (5-10 meter)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School-150 meter (Sopnosiri School) Hospital-150 meter(Mission hospital)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Existing Store Room																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	No																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	Yes																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bamboo Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo Bushes	L	M	S	L	M	S	L	M	S											
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo Bushes																							
	L	M	S	L	M	S	L	M	S																								

No.	REQUIRED INFORMATION	DESCRIPTION									
		No. Trees	0	0	0	0	2	2	0	0	0
<b>D. Current Land Use – Built Structures</b>											
21	Are there any built structures will be affected on the Proposed land?	Yes									
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	1 Guard room (affected) Length—22 feet, width-12 feet(pacca)									
23	What is the land filling requirement? (meter)	No									
24	Access Road distance Road from sub-station	Adjacent to the land									

**Photographs of Substation/sub-project**



North (Residential)



South (Residential)



East (Abandon land & Residential)



West (Access Road & mother bks college)



Proposed substation picture



Proposed substation picture



Affected/existing Structure/Trees



Pictures of Access Road

**A2. Kodomtola (AIS) S&DD-1, Pabna (New Land) (2\*10/13.33 MVA AIS SS (Private land will be compensated))**

No.	REQUIRED INFORMATION	DESCRIPTION																													
<b>Name of the Sub-stations</b>		<b>Kodomtola (GIS) S&amp;DD-1, Pabna (New Land) (2*10/13.33 MVA AIS SS)</b>																													
<b>A</b>	<b>Location of the Substation</b>																														
1.	Name of the District	Pabna																													
2.	Name of the Sub-district/Upazila	Pabna Sadar																													
3.	Name of the Village/Block	Bolorampur																													
4.	Name of The Mouza	Charasotuspur																													
5.	Name of the Union/Ward	Dogachi																													
6.	Total extent of land required (Acre)	0.60 Acre																													
6.1	Total Extent of Private Land (Acre)	0.60 Acre																													
6.2	Total Extent of Government Land (Acre)																														
6.3	Own Land/owned by PGCB/BREB/NESCO (Acre)	Private land																													
7	Land taking status. It can be leased/ donated/ parched/acquisition/ own land.	Negotiation Completed																													
8	Plot No	Not Available																													
9	Coordinates of the land	Latitude:24.99176417 Longitude: 89.25866888																													
10	Surrounding landscape:	North: Residence & Food mill South: Factory & Food mill East: Road & Residence West: Cow & goat khamar & ECO Park																													
<b>B</b>	<b>Type of Land</b>																														
11	<b>Type of land</b> (paddy, other seasonal crops, marshy land, pond or other water bodies, forest etc.)	Orchard																													
12	<b>Current use of the land</b> (under cultivation, abandoned, barren, scrubs etc.)	Orchard																													
13	Whether the land is irrigated or non-irrigated?	Irrigated																													
14	Any important major structures and/or natural resources observed in the surrounding area (within a radius of 500 meters) of the land (e.g. bridges, canals, rivers, ponds, electricity lines, roads, highways, railway tracks, schools, hospitals, forest reserves etc.)	School: 1 km ( Charasotuspur Gove. Primary School) Park: 100 meter ( Rana Eco Park) Mosque: 1km ( Hasna banu Jame mosque) Hospital: 3 km( Upazilla Health complex)																													
<b>C.</b>	<b>Current Land Use – Vegetation</b>																														
15	If cultivated, type of crops cultivated	Seasonal crops																													
16	No. seasons that cultivation is conducted	3times																													
17	Are there any trees grown on the land?	Yes (Mango, guava, jujube, papaya, jackfruit, blackberry, litchi, dalim, coconut, Lemon, Jamrul, Neem etc.																													
18	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>4</td> <td>0</td> <td>0</td> <td>0</td> <td>90</td> <td>15</td> <td></td> <td>5</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			L	M	S	L	M	S	L	M	S	No. Trees	4	0	0	0	90	15		5	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal																								
	L	M	S	L	M	S	L	M	S																						
No. Trees	4	0	0	0	90	15		5	0																						
<b>D.</b>	<b>Current Land Use – Built Structures</b>																														
19	Are there any built structures on the Proposed land?	No																													

No.	REQUIRED INFORMATION	DESCRIPTION
20	If yes, how many residential/commercial structures (Details of structures such as no of structures by type/category of structure and length/width, No of Household etc.)	N/A
21	How many other primary structures (community buildings, schools, etc.) (Details of structures such as no of structures by type/category of structure and length/width, No of Households etc.)	No
22	How many other secondary structures (e.g. irrigation pumps, tube-well, Boundary wall, RCC Pillar, Toilet, Sello Pump etc.) (Details of structures such as no of structures by type/category of structure and length/with, Number of Households etc.)	1 Semi pucca Godown, Lenth- 12*10=120
<b>E</b>	<b>Land Ownership</b>	
23	No. Landowners (Total)	5
23.1	No. Private landowners	5
23.2	No. Other landowners (e.g. business companies, government agencies)	0
24.	No. Landowners covered in the census survey	1 (5 land owner live together/joint family)
25.	Landowners' willingness to land acquisition	Negotiation completed. They are interested to sell
26.	Any particular issue/s related to the substation land	No
27.	What is the land filling requirement? (meter)	Not required
28.	Access Road distance Road from sub-station	Adjacent to the road

### Photographs of Substation/sub-project





East (Road & Residence)



West (Cow & goat khamar & ECO Park)



Proposed substation



Proposed substation



Proposed substation



Pictures of Access Road



Affected trees



Affected trees

**A3. S&D1 Campus (GIS), S & DD-1, Bogra (2\*20/26 MVA GIS SS), Bogra (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																													
Name of the Sub-stations		S&D1 Campus (GIS), S & DD-1, Bogra (2*20/26 MVA GIS SS)																													
<b>A</b>	<b>Location of the Substation</b>																														
1.	Name of the District	Bogura																													
2.	Name of the Sub-district/Upazila	Bogura Sadar																													
3.	Name of the Village/Block	Near Shat matha ( Khokon Park road)																													
4.	Name of The Mouza	Sutrapur																													
5.	Name of the Union/Ward	Bogura Pourashava (ward: 05)																													
6.	Total extent of land required (Acre)	0.057 Acre																													
6.1	Total Extent of Private Land (Acre)	No																													
6.2	Total Extent of Government Land (Acre)	0.057 Acre																													
6.3	Own Land/owned by PGCB/BREB/NESCO (Acre)	NESCO Own land																													
7	Land taking status. It can be leased/donated/ parched/acquisition/ own land.	NESCO own land																													
8	Plot No																														
9	Coordinates of the land	<b>Latitude: 24.84887986</b> <b>Longitude: 89.3748620</b>																													
10	Surrounding landscape:	North: Residence South: Office Assess Road East: Residence West: Mosque																													
<b>B</b>	<b>Type of Land</b>																														
11	<b>Type of land</b> (paddy, other seasonal crops, marshy land, pond or other water bodies, forest etc.)	NESCO Existing Substation																													
12	<b>Current use of the land</b> (under cultivation, abandoned, barren, scrubs etc.)	Abandoned land																													
13	Whether the land is irrigated or non-irrigated?	Non-irrigated																													
14	Any important major structures and/or natural resources observed in the surrounding area (within a radius of 500 meters) of the land (e.g. bridges, canals, rivers, ponds, electricity lines, roads, highways, railway tracks, schools, hospitals, forest reserves etc.)	School: 300 meters ( Bogura Zilla School) Road: 100 meters ( Khokon park road) Hospital: 3 km (Bogura Sadar Hospital) Thana: 100 meters(Bogura Sadar thana)																													
<b>C.</b>	<b>Current Land Use – Vegetation</b>																														
15	If cultivated, type of crops cultivated	No																													
16	No. seasons that cultivation is conducted	No																													
17	Are there any trees grown on the land?	Yes (Mango, jackfruit, coconut etc.)																													
18	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	2	0	0	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal																								
	L	M	S	L	M	S	L	M	S																						
No. Trees	0	0	0	0	2	0	0	0	0																						
<b>D.</b>	<b>Current Land Use – Built Structures</b>																														
19	Are there any built structures on the Proposed land?	Yes																													

No.	REQUIRED INFORMATION	DESCRIPTION
20	If yes, how many residential/commercial structures (Details of structures such as no of structures by type/category of structure and length/width, No of Household etc.)	1 NESCO Store room, (pucca) Length-80 feet, Width-53 feet (80x53)' 4280 Sqft) 2. Store room, (Semi pacca) Length-17 feet, Width-13 (17x13)' 221 Sqft
21	How many other primary structures (community buildings, schools, etc.) (Details of structures such as no of structures by type/category of structure and length/width, No of Households etc.)	No
22	How many other secondary structures (e.g. irrigation pumps, tube-well, Boundary wall, RCC Pillar, Toilet, Sello Pump etc.) (Details of structures such as no of structures by type/category of structure and length/with, Number of Households etc.)	No
<b>E</b>	<b>Land Ownership</b>	
23	No. Landowners (Total)	NESCO own land
23.1	No. Private landowners	N/A
23.2	No. Other landowners (e.g. business companies, government agencies)	N/A
24.	No. Landowners covered in the census survey	No
25.	Landowners willingness to land acquisition	N/A
26.	Any particular issue/s related to the substation land	No
27.	What is the land filling requirement? (meter)	No
28.	Access Road distance Road from sub-station	Adjacent to the road

### Photographs of Substation/sub-project



North ( Residence)

South (Control room & access road)



East (Residence)



West (Mosque)



Proposed substation land



Proposed substation land



Proposed substation land



Pictures of Access Road



Affected Structure



Affected Structure



Affected Trees



Affected Trees

**A4. Campus S&D-1, NESCO, Rangpur (GIS) S & DD-1, Rangpur (2\*20/26 MVA GIS SS)  
(NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Name of the Sub-stations</b>		<b>Campus S&amp;D-1, NESCO, Rangpur (GIS) S &amp; DD-1, Rangpur (2*20/26 MVA GIS SS)</b>																															
<b>A Location of the Substation</b>																																	
1.	Name of the District	Rangpur																															
2.	Name of the Sub-district/Upazila	Thana-Kotwali																															
3.	Name of the Village/Block	Alamnagar																															
4.	Name of The Mouza	Alamnagar																															
5.	Name of the Union/Ward	Ward-26																															
6.	Total extent of land required (Acre)	0.06 Acre																															
6.1	Total Extent of Private Land (Acre)	No																															
6.2	Total Extent of Government Land (Acre)	No																															
6.3	Own Land/owned by PGCB/BREB/NESCO (Acre)	Nesco Own Land																															
7	Land taking status. It can be leased/donated/ parched/acquisition/ own land.	Nesco Own Land																															
8	Plot No																																
9	Coordinates of the land	Latitude: 25.74055537 Longitude: 89.25528869																															
10	Surrounding landscape:	<b>North: Nesco Quarter, Fellow land South: Nesco Store Room East: Access Road, Nesco compound West: Residence</b>																															
<b>B Type of Land</b>																																	
11	<b>Type of land</b> (paddy, other seasonal crops, marshy land, pond or other water bodies, forest etc.)	Nesco Abandon land																															
12	<b>Current use of the land</b> (under cultivation, abandoned, barren, scrubs etc.)	Abandon land																															
13	Whether the land is irrigated or non-irrigated?	Non-irrigated																															
14	Any important major structures and/or natural resources observed in the surrounding area (within a radius of 500 meters) of the land (e.g., bridges, canals, rivers, ponds, electricity lines, roads, highways, railway tracks, schools, hospitals, forest reserves etc.)	Knowledge K.I school-100 meter Homeo college-150 meter Homeo jame masjid-150 meter																															
<b>C. Current Land Use – Vegetation</b>																																	
15	If cultivated, type of crops cultivated	No																															
16	No. seasons that cultivation is conducted	No																															
17	Are there any trees grown on the land?	Yes																															
18	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Ba mb oo Bu sh es</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>6</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Ba mb oo Bu sh es	L	M	S	L	M	S	L	M	S	No. Trees	0	0	6	0	0	0	0	2	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Ba mb oo Bu sh es																							
	L	M	S	L	M	S	L	M	S																								
No. Trees	0	0	6	0	0	0	0	2	0	0																							
<b>D. Current Land Use – Built Structures</b>																																	
19	Are there any built structures on the Proposed land?	Yes																															

No.	REQUIRED INFORMATION	DESCRIPTION
20	If yes, how many residential structures (Details of structures such as no of structures by type/category of structure and length/width, No of Household etc.)	1 Nesco store room (Affected) Semi pucca Length-30 feet, width-20 feet
21	How many other primary structures (community buildings, schools, etc.) (Details of structures such as no of structures by type/category of structure and length/width, No of Households etc.)	No
22	How many other secondary structures (e.g. irrigation pumps, tube-well, Boundary wall, RCC Pillar, Toilet, Sello Pump etc.) (Details of structures such as no of structures by type/category of structure and length/with, Number of Households etc.)	Boundary wall (Affected) Length-60 feet, Hight-12 feet
<b>E</b>	<b>Land Ownership</b>	
23	No. Landowners (Total)	Nesco Own land
23.1	No. Private landowners	0
23.3	No. Other landowners (e.g., business companies, government agencies)	0
24.	No. Landowners covered in the census survey	0
25.	Landowners' willingness to land acquisition	N/A
26.	Any particular issue/s related to the substation land	No
27.	What is the land filling requirement? (meter)	0 meter
28.	Access Road distance Road from sub-station	Adjacent to the land

#### Photographs of Substation/sub-project



North (Nesco Quarter, Fellow land)

South (Nesco Store Room)



East (Access Road, Nesco compound)



West (Residence)



Pictures of Access Road



Proposed substation picture



Proposed substation land



Proposed substation land



Affected Structure



Affected Structure

**A5. Baharkasna (S&D-3), Rangpur (2\*10/13.33 MVA AIS SS) (Private Land will be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Name of the Sub-stations</b>		<b>Baharkasna (S&amp;D-3), Rangpur (2*10/13.33 MVA AIS SS)</b>																															
<b>A</b>	<b>Location of the Substation</b>																																
1.	Name of the District	Rangpur																															
2.	Name of the Sub-district/Upazila	Thana-Kotwali																															
3.	Name of the Village/Block	Shahebganj																															
4.	Name of The Mouza	Shahebganj																															
5.	Name of the Union/Ward	Ward-9																															
6.	Total extent of land required (Acre)	0.56 Acre																															
6.1	Total Extent of Private Land (Acre)	No																															
6.2	Total Extent of Government Land (Acre)	No																															
6.3	Own Land/owned by PGCB/BREB/NESCO (Acre)	Monubor Rahman Particle mills (Pvt)																															
7	Land taking status. It can be leased/donated/ parched/acquisition/ own land.	Private land																															
8	Plot No	142, 143																															
9	Coordinates of the land	Latitude:25.77051246 Longitude: 89.30059355																															
10	Surrounding landscape:	<b>North: Haragacha road, Fellow land South: Residence, Agricultural land East: Residence West: Residence</b>																															
<b>B</b>	<b>Type of Land</b>																																
11	<b>Type of land</b> (paddy, other seasonal crops, marshy land, pond or other water bodies, forest etc.	High land																															
12	<b>Current use of the land</b> (under cultivation, abandoned, barren, scrubs etc.)	Abandon land																															
13	Whether the land is irrigated or non-irrigated?	Non irrigated																															
14	Any important major structures and/or natural resources observed in the surrounding area (within a radius of 500 meters) of the land (e.g. bridges, canals, rivers, ponds, electricity lines, roads, highways, railway tracks, schools, hospitals, forest reserves etc.)	Sahebganj school-500 meter Sahebganj bazar jame masjid-400 meter																															
<b>C.</b>	<b>Current Land Use – Vegetation</b>																																
15	If cultivated, type of crops cultivated	No No																															
16	No. seasons that cultivation is conducted	No																															
17	Are there any trees grown on the land?	No																															
18	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bamboo Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo Bushes																							
	L	M	S	L	M	S	L	M	S																								
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>D.</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
19	Are there any built structures on the Proposed land?	No
20	If yes, how many residential structures (Details of structures such as no of structures by type/category of structure and length/width, No of Household etc.)	No
21	How many other primary structures (community buildings, schools, etc.) (Details of structures such as no of structures by type/category of structure and length/width, No of Households etc.)	No
22	How many other secondary structures (e.g., irrigation pumps, tube-well, Boundary wall, RCC Pillar, Toilet, Sello Pump etc.) (Details of structures such as no of structures by type/category of structure and length/with, Number of Households etc.)	No
<b>E</b>	<b>Land Ownership</b>	
23	No. Landowners (Total)	1
23.1	No. Private landowners	0
23.3	No. Other landowners (e.g., business companies, government agencies)	1
24.	No. Landowners covered in the census survey	1
25.	Landowners' willingness to land acquisition	Yes
26.	Any particular issue/s related to the substation land	No
27.	What is the land filling requirement? (meter)	0 meters
28.	Access Road distance Road from sub-station	Adjacent to the land

#### Photographs of Substation/sub-project



North (Haragacha road, Fellow land)

South (Residential, Agricultural land)



East (Residence)



West (Residence)



Pictures of Access Road



Proposed substation picture



Proposed substation land



Proposed substation land

**A6. S&DD-1, office campus, Shuihari, Dinajpur (2\*10/13.33 MVA AIS SS) (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Name of the Sub-stations</b>		<b>S&amp;DD-1, office campus, Shuihari, Dinajpur (2*10/13.33 MVA AIS SS)</b>																															
<b>A Location of the Substation</b>																																	
1.	Name of the District	Dinajpur																															
2.	Name of the Sub-district/Upazila	Thana-Kotwali																															
3.	Name of the Village/Block	Shuihari																															
4.	Name of The Mouza	shuihari																															
5.	Name of the Union/Ward	Ward-4																															
6.	Total extent of land required (Acre)	0.4 Acre																															
6.1	Total Extent of Private Land (Acre)	No																															
6.2	Total Extent of Government Land (Acre)	No																															
6.3	Own Land/owned by PGCB/BREB/NESCO (Acre)	Nesco Own Land																															
7	Land taking status. It can be leased/donated/ parched/acquisition/ own land.	Nesco Own Land																															
8	Plot No																																
9	Coordinates of the land	Latitude:25.65808654 Longitude: 88.6475578																															
10	Surrounding landscape:	<b>North: Nursery, Fellow land South: Nesco Corporate building East: Dinajpur Rangpur Highway Road West: Nesco Abandon land</b>																															
<b>B Type of Land</b>																																	
11	<b>Type of land</b> (paddy, other seasonal crops, marshy land, pond or other water bodies, forest etc.)	Nesco Abandon land																															
12	<b>Current use of the land</b> (under cultivation, abandoned, barren, scrubs etc.)	Abandon land																															
13	Whether the land is irrigated or non-irrigated?	Non-irrigated																															
14	Any important major structures and/or natural resources observed in the surrounding area (within a radius of 500 meters) of the land (e.g., bridges, canals, rivers, ponds, electricity lines, roads, highways, railway tracks, schools, hospitals, forest reserves etc.)	Dinajpur govt college-500 meter PDB Masjid-100 meter																															
<b>C. Current Land Use – Vegetation</b>																																	
15	If cultivated, type of crops cultivated	No																															
16	No. seasons that cultivation is conducted	No																															
17	Are there any trees grown on the land?	Yes (Affected)																															
18	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bamboo Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>8</td> <td>1</td> <td>4</td> <td>8</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo Bushes	L	M	S	L	M	S	L	M	S	No. Trees	8	1	4	8	2	0	0	0	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo Bushes																							
	L	M	S	L	M	S	L	M	S																								
No. Trees	8	1	4	8	2	0	0	0	0	0																							
<b>D. Current Land Use – Built Structures</b>																																	
19	Are there any built structures on the Proposed land?	Yes																															

No.	REQUIRED INFORMATION	DESCRIPTION
20	If yes, how many residential structures (Details of structures such as no of structures by type/category of structure and length/width, No of Household etc.)	1 Abandon Nesco old building (Pacca) Affected Length-70 feet, Width-50 feet
21	How many other primary structures (community buildings, schools, etc.) (Details of structures such as no of structures by type/category of structure and length/width, No of Households etc.)	No
22	How many other secondary structures (e.g. irrigation pumps, tube-well, Boundary wall, RCC Pillar, Toilet, Sello Pump etc.) (Details of structures such as no of structures by type/category of structure and length/with, Number of Households etc.)	Boundary wall (Affected) Length-60 feet, hight-2.5 feet
<b>E</b>	<b>Land Ownership</b>	
23	No. Landowners (Total)	Nesco own land
23.1	No. Private landowners	0
23.3	No. Other landowners (e.g. business companies, government agencies)	0
24.	No. Landowners covered in the census survey	0
25.	Landowners' willingness to land acquisition	N/A
26.	Any particular issue/s related to the substation land	No
27.	What is the land filling requirement? (meter)	0 meter
28.	Access Road distance Road from sub-station	Adjacent to the land

#### Photographs of Substation/sub-project



North (Nursery, Fellow land)

South (Nesco Corporate building)



East (Dinajpur Rangpur Highway Road)



West (Nesco Abandon land)



Pictures of Access Road



Proposed substation picture



Proposed substation land



Proposed substation land



Affected Structure/Trees



Affected Structure/Trees

**B. Substation Augmentation/renovation (33/11 AIS Substation Renovation)**

**B1. Fakirpara under S&DD-1, NESCO, Dinajpur (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Fakirpara under S&amp;DD-1, NESCO, Dinajpur,</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Dinajpur																															
2	Name of the Sub-district/Upazila	Thana-Kotwali																															
3	Name of the Village/Block	Fakirpara																															
4	Name of The Mouza	Fakirpara																															
5	Name of the Union/Ward	Ward no-6																															
6	Coordinates of the land	Latitude: 25.64371379 Longitude: 88.64807546																															
7	Surrounding landscape:	<b>North: Nesco control room, Access Road South: Fellow land, Residential East: Fellow land West: Access road, Upazila veterinary hospital</b>																															
8	Present Status of Proposed Land	Existing Sub station																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 1990																															
10	What is the approximate total area of the substation/facility	0.50 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	10-15 meter																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School-190 meter (Holilan school) Hospital-3.4 km (Health care Hospital) Mosque-30 meter (Bus terminal jame masjid)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	Yes																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm or Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm or Bus he	L	M	S	L	M	S	L	M	S											
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm or Bus he																							
	L	M	S	L	M	S	L	M	S																								

No.	REQUIRED INFORMATION	DESCRIPTION
		No. Trees
<b>B</b>	<b>Current Land Use – Built Structures</b>	
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (Access room & Control room)



South (Fellow land, Residence)



East (Fellow Land, Residence)



West (Access road, Upazila veterinary hospital)



Existing substation/Proposed Renovation



Existing substation/ Proposed Renuvation



Unaffected Structue



Access road Picture

**B2. Balubari under S&DD-2, NESCO Dinajpur. (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
Sub Project Under NESCO/PGCB/BREB:		NESCO																															
Name of Existing Substations/Workshop/ Bay Extension and others Facilities		Balubari under S&DD-2, NESCO Dinajpur.																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Dinajpur																															
2	Name of the Sub-district/Upazila	Thana-Kotwali																															
3	Name of the Village/Block	Balubari																															
4	Name of The Mouza	Prannathpur																															
5	Name of the Union/Ward	Ward no-8																															
6	Coordinates of the land	Latitude: 25.62377133 Longitude: 88.63952927																															
7	Surrounding landscape:	<b>North: Nesco Control room &amp; quarter building</b> <b>South: Rail line, Residential</b> <b>East: Abandon quarter building, Fellow land</b> <b>West: NESCO S &amp; D-2 office building</b>																															
8	Present Status of Proposed Land	Existing Sub station																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016																															
10	What is the approximate total area of the substation/facility	0.60 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	50																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Dinajpur miniciple school-120 meter Dinajpur General Hospital-400 meter Balubari jame masjid-100 meter																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	Yes																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">B m of Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			B m of Bus he	L	M	S	L	M	S	L	M	S											
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			B m of Bus he																							
	L	M	S	L	M	S	L	M	S																								

No.	REQUIRED INFORMATION	DESCRIPTION
		No. Trees
<b>B</b>	<b>Current Land Use – Built Structures</b>	
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (Nesco Control room & quarter building)



South (Rail line, Residential)



East (Abandon quarter building, Fellow land)



West (NESCO S & D-2 office building )



Existing substation/Proposed Renovation



Existing substation/ Proposed Renovation



Existing Unaffected Structure



Access road

**B3. Upasahar under S&DD-2, NESCO, Dinajpur, (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
Sub Project Under NESCO/PGCB/BREB:		NESCO																															
Name of Existing Substations/Workshop/ Bay Extension and others Facilities		Upasahar under S&DD-2, NESCO, Dinajpur,																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Dinajpur																															
2	Name of the Sub-district/Upazila	Thana-Kotwali																															
3	Name of the Village/Block	Upasahar-6 (old)																															
4	Name of The Mouza	Skekhpura																															
5	Name of the Union/Ward	Ward no-9																															
6	Coordinates of the land	Latitude: 25.61448907 Longitude: 88.64704315																															
7	Surrounding landscape:	<b>North: Residence,Road,School South: Urasahar road, Residential East: Upasahar Health Complex West: Residence, Road</b>																															
8	Present Status of Proposed Land	Existing Sub station																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016																															
10	What is the approximate total area of the substation/facility	0.48 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (10-15 meter)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Glorious Memorial model school-30 meter Abdur Rahim Medical college-1 Km 7 no Upasahar Masjid -100 meter																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	Yes																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">B m of Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			B m of Bus he	L	M	S	L	M	S	L	M	S	No. Trees										
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			B m of Bus he																						
		L	M	S	L	M	S	L	M	S																							
No. Trees																																	
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (Residence, School and Road)



South (Upashahar road, Residence)



East (Upashahar heath complex)



West (Residence & Road)



Existing substation



Existing substation



Unaffected Structure



Access road

**B4. Setabgonj under ESU, NESCO, Setabgonj, Dinajpur (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION				
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>				
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Setabgonj under ESU, NESCO, Setabgonj, Dinajpur</b>				
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>					
1	Name of the District	Dinajpur				
2	Name of the Sub-district/Upazila	Thana-Bochaganj				
3	Name of the Village/Block	PDB para				
4	Name of The Mouza	Dhontola				
5	Name of the Union/Ward	Ward no-6				
6	Coordinates of the land	Latitude:25.80128937 Longitude: 88.46510287				
7	Surrounding landscape:	<b>North: Nesco control room,Residential</b> <b>South: Nesco abandon room, hospital road</b> <b>East: Nesco Store room</b> <b>West: Residential</b>				
8	Present Status of Proposed Land	Existing Sub station				
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016				
10	What is the approximate total area of the substation/facility	0.40 Acre				
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No				
12	Is the existing facility well fenced and is there any encroachment	Yes				
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (5-10 meter)				
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Dhontola primary school-500 meter Mosaganj Health complex-70 meter PDB para jame masjid-200 meter				
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation				
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A				
17	Was there support of local people while finalizing the substation site?	Yes				
18	Was there any displacement due to the land acquisition, if yes provide details	No				
19	Are there any trees grown on the land?	No				
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<b>Type of tree</b>	Non-fruit bearing	Fruit bearing	Medicinal	Be m o c B u s h e s
			L M S	L M S	L M S	

No.	REQUIRED INFORMATION	DESCRIPTION									
		No. Trees									
<b>B</b>	<b>Current Land Use – Built Structures</b>										
21	Are there any built structures on the Proposed land?	No									
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A									
23	What is the land filling requirement? (meter)	No									
24	Access Road distance Road from sub-station	Adjacent to the road									

**Photographs of Substation/sub-project**



North (Control room, Residence)



South (Abandon store, Hospital Road)



East (Store room, Residence)



West (Residence)



Existing substation



Existing substation



Unaffected/existing Structure



Access road

**B5. Panchagarh Substation under S&DD-Panchagarh (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION				
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>				
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Panchagarh substation under S&amp;DD-Panchagarh</b>				
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>					
1	Name of the District	Panchagarh				
2	Name of the Sub-district/Upazila	Panchagarh Sadar				
3	Name of the Village/Block	Mithapokur				
4	Name of The Mouza	Dhakkamara				
5	Name of the Union/Ward	Dhakkamara				
6	Coordinates of the land	Latitude: 26.346062 Longitude: 88.557315				
7	Surrounding landscape:	North: Existing Substation & Residence South: Residential Area East: Control room & Office camera's West: Residence				
8	Present Status of Proposed Land	Existing Substation				
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016 from PDB				
10	What is the approximate total area of the substation/facility	0.45 Acre				
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Additional land not required				
12	Is the existing facility well fenced and is there any encroachment	Yes				
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the substation (Panchagarh Sadar)				
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 1 km (Mithapokur gove primary School) Hospital: 2 km (Upazilla Health Complex)				
15	What was land ownership prior to construction of substation/facility (Previous land status)	Owned by PDB				
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A				
17	Was there support of local people while finalizing the substation site?	Yes				
18	Was there any displacement due to the land acquisition, if yes provide details	No				
19	Are there any trees grown on the land?	Yes				
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<b>Type of tree</b>	Non-fruit bearing	Fruit bearing	Medicinal	Be m o o B u s h e
			L M S	L M S	L M S	

No.	REQUIRED INFORMATION	DESCRIPTION									
		No. Trees	2	0	0	2	1	1	0	0	0
<b>B</b>	<b>Current Land Use – Built Structures</b>										
21	Are there any built structures on the Proposed land?	No									
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A									
23	What is the land filling requirement? (meter)	Not Require									
24	Access Road distance Road from sub-station	Adjacent to the road.									

**Photographs of Substation/sub-project**



North (Existing Substation & Residence)

South (Residential Area)

East (Control room & Office camera's)

West (Residence)



Proposed Substation



Proposed Substation



Affected Trees



Affected Trees



Not Affected Structures



Pictures of Access Road

**B6. Katkipara under S&DD-2, NESCO, Rangpur. (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
Sub Project Under NESCO/PGCB/BREB:		NESCO																															
Name of Existing Substations/Workshop/ Bay Extension and others Facilities		Katkipara under S&DD-2, NESCO, Rangpur.																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Rangpur																															
2	Name of the Sub-district/Upazila	Thana-Kotwali																															
3	Name of the Village/Block	Katkipara																															
4	Name of The Mouza	Satgara																															
5	Name of the Union/Ward	Ward no-18																															
6	Coordinates of the land	Latitude:25.7500389 Longitude: 89.23160277																															
7	Surrounding landscape:	<b>North: Access Road South: Residential, Fellow land East: Nesco building, Fellow land West: Dhaka Rangpur Highway</b>																															
8	Present Status of Proposed Land	Existing Sub station																															
9	How long since the substation/facility has been built (Year of Commissioning)	1991																															
10	What is the approximate total area of the substation/facility	0.40 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	30 meters																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Rangpur Residential school-60 meter Ajimuddin jame masjid-40 meter																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">B m of Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			B m of Bus he	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			B m of Bus he																							
	L	M	S	L	M	S	L	M	S																								
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

### Photographs of Substation/sub-project



North (Access Road)



South (Residential, Fellow land)



East (Nesco building, Fellow land)



West (Dhaka Rangpur Highway)



Proposed substation



Proposed substation



Unaffected/existing Structure



Access road

**B7. Mahigonj under S & DD-3, NESCO, Rangpur, (NESCO owned land will not compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
Sub Project Under NESCO/PGCB/BREB:		NESCO																															
Name of Existing Substations/Workshop/ Bay Extension and others Facilities		Mahigonj under S & DD-3, NESCO, Rangpur, & Bay Extention																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Rangpur																															
2	Name of the Sub-district/Upazila	Thana-Kotwali																															
3	Name of the Village/Block	Nasnia																															
4	Name of The Mouza	Nasnia																															
5	Name of the Union/Ward	Ward no-30																															
6	Coordinates of the land	Latitude:25.73365069 Longitude: 89.29206178																															
7	Surrounding landscape:	<b>North: R.k Road</b> <b>South: Fellow land</b> <b>East: Residence</b> <b>West: Fellow land</b>																															
8	Present Status of Proposed Land	Existing Sub station																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016																															
10	What is the approximate total area of the substation/facility	0.36 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (10-15 meter)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Amanullah School-1 km Sadar hospital-4 km																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm or Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm or Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bm or Bushes																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	0	0	0	0	0	0	0	0																							

No.	REQUIRED INFORMATION	DESCRIPTION
<b>B</b>	<b>Current Land Use – Built Structures</b>	
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (R.k Road)



South (Fellow land)



East (Residence)



West (Fellow land)



Existing substation picture



Existing substation picture



Proposed Bay Extension/ sub-station  
Renovation



Access road

**B8. Dhanghora under S&DD-2, NESCO, Gaibandha. (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION				
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>				
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Dhanghora under S&amp;DD-2, Gaibandha</b>				
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>					
1	Name of the District	Gaibandha				
2	Name of the Sub-district/Upazila	Dhanghora Sadar				
3	Name of the Village/Block	Dhanghor				
4	Name of The Mouza	Dhanghor				
5	Name of the Union/Ward	Union: Bollomjar				
6	Coordinates of the land	<b>Latitude: 25.3228079</b> <b>Longitude: 89.508532</b>				
7	Surrounding landscape:	North: Road & Residence South: Pond & Fallow land East: Control Room West: Fallow land				
8	Present Status of Proposed Land	Existing Substation Augmentation				
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016				
10	What is the approximate total area of the substation/facility	0.49 acre				
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No				
12	Is the existing facility well fenced and is there any encroachment	Yes				
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (5-10 meters)				
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 1km (Genasohor gove. Primary school) College: 3km (Gaibandha Gove. College) Hospital: 3km (Gaibandha Sadar Hospital)				
15	What was land ownership prior to construction of substation/facility (Previous land status)	Owned by PDB				
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A				
17	Was there support of local people while finalizing the substation site?	yes				
18	Was there any displacement due to the land acquisition, if yes provide details	No				
19	Are there any trees grown on the land?	Yes				
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<b>Type of tree</b>	Non-fruit bearing	Fruit bearing	Medicinal	B m o c B u s h e
			L M S	L M S	L M S	

No.	REQUIRED INFORMATION	DESCRIPTION									
		No. Trees	0	0	0	0	9	10	0	0	5
<b>B</b>	<b>Current Land Use – Built Structures</b>										
21	Are there any built structures on the Proposed land?	No									
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A									
23	What is the land filling requirement? (meter)	No									
24	Access Road distance Road from sub-station	Adjacent to the Road.									

**Photographs of Substation/sub-project**



North: (Road & Residence)



South (Pond & Fallow land)



East (Control Room)



West (Fallow land)



Proposed Substation



Proposed Substation



Affected Trees



Affected Trees



Un-affected Existing Structures



Access Road

**B9. Niamotpur under S&DD, Saidpur, Nilphamari (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION				
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>				
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Niamotpur under S&amp;DD, Saidpur, Nilphamari</b>				
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>					
1	Name of the District	Nilphamari				
2	Name of the Sub-district/Upazila	Saidpur Sadar				
3	Name of the Village/Block	Niamotpur				
4	Name of The Mouza	Niamotpur				
5	Name of the Union/Ward	Niamotpur				
6	Coordinates of the land	Latitude: 25.78025723 Longitude: 88.91052269				
7	Surrounding landscape:	North: Fallow Land South: Road & Existing office East: Basic industrial Area West: Control room & residence				
8	Present Status of Proposed Land	Existing Substation Renovation				
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016				
10	What is the approximate total area of the substation/facility	1 Acre				
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No				
12	Is the existing facility well fenced and is there any encroachment	Yes				
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (10 meters)				
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 2km (Niamotpur Gove. Primary School) College: 5km (kamarpukur Degree College) Hospital: 5km (Upazila health complex saidpur)				
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB land				
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A				
17	Was there support of local people while finalizing the substation site?	Yes				
18	Was there any displacement due to the land acquisition, if yes provide details	No				
19	Are there any trees grown on the land?	Yes				
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<b>Type of tree</b>	Non-fruit bearing	Fruit bearing	Medicinal	Be m o c B u s h e s
			L M S	L M S	L M S	

No.	REQUIRED INFORMATION	DESCRIPTION									
		No. Trees	0	0	0	0	0	0	0	0	0
<b>B</b>	<b>Current Land Use – Built Structures</b>										
21	Are there any built structures on the Proposed land?	No									
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A									
23	What is the land filling requirement? (meter)	No									
24	Access Road distance Road from sub-station	Adjacent to the road									

**Photographs of Substation/sub-project**



**B10. Noyagola GIS S& DD-1, Chapai nawabganj (only Transformer) (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Noyagola GIS S&amp; DD-1, Chapainababgang (only Transformer) (2*20/26 MVA GIS SS)</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1.	Name of the District	Chapai nawabganj																															
2.	Name of the Sub-district/Upazila	Thana-Sadar																															
3.	Name of the Village/Block	Nayagola																															
4.	Name of The Mouza	Nayagola																															
5.	Name of the Union/Ward	Ward no-1																															
7	Coordinates of the land	Latitude: 24.61682996 Longitude: 88.30151092																															
10	Surrounding landscape:	<b>North: Mango Garden, Access Road South: Mango Garden East: Mango Garden, Crop land West: Mango garden</b>																															
11	Present Status of Proposed Land	Existing Sub station																															
12	How long since the substation/facility has been built (Year of Commissioning)	June 2021																															
	What is the approximate total area of the substation/facility	0.06 Acre																															
13	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
14	Is the existing facility well fenced and is there any encroachment	Yes																															
15	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	200 meters																															
16	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Police line primary school-1000 meter Uttar vabanipur jame masjid-450 meter																															
17	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation																															
18	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
19	Was there support of local people while finalizing the substation site?	Yes																															
20	Was there any displacement due to the land acquisition, if yes provide details	No																															
21	Are there any trees grown on the land?	Yes																															
22	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm of</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No.</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of	L	M	S	L	M	S	L	M	S	No.	0	0	0	0	2	0	0	0	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of																							
	L	M	S	L	M	S	L	M	S																								
No.	0	0	0	0	2	0	0	0	0	0																							
<b>D.</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
23	Are there any built structures on the Proposed land?	No
24	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
25.	What is the land filling requirement? (meter)	No
26.	Access Road distance Road from sub-station	Adjacent to the road

### Photographs of Substation/sub-project



North (Mango Garden, Access Road)



South (Mango Garden)



East (Crop land, Mango Garden)



West (Mango Garden)



Existing substation/Proposed Renovation



Existing substation/Proposed Renuvation



Unaffected/existing Structure



Access road Picture

### C. Substation Bay Extensions (Type Bay Breaker)

#### C1. Nurpur grid, Pabna ((PGCB owned land will not be compensated)

No.	REQUIRED INFORMATION	DESCRIPTION				
Sub Project Under NESCO/PGCB/BREB:		NESCO				
Name of Existing Substations/Workshop/ Bay Extension and others Facilities		Nurpur grid, Pabna				
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>					
1	Name of the District	Pabna				
2	Name of the Sub-district/Upazila	Thana-Sadar				
3	Name of the Village/Block	Nurpur				
4	Name of The Mouza	Radha nagar				
5	Name of the Union/Ward	Ward no-10				
6	Coordinates of the land	Latitude: 24.02249435 Longitude: 89.2336818				
7	Surrounding landscape:	<b>North: PGCB grid</b> <b>South: Fellow land</b> <b>East: Control room</b> <b>West: PGCB grid</b>				
8	Present Status of Proposed Land	Existing PGCB Sub station				
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016				
10	What is the approximate total area of the substation/facility	3.35 Acre				
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes				
12	Is the existing facility well fenced and is there any encroachment	Yes				
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	70 meters				
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Polash cadet School-270 meter Nesco jame masjid-40 meter Pabna health complex-2 km				
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation				
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A				
17	Was there support of local people while finalizing the substation site?	Yes				
18	Was there any displacement due to the land acquisition, if yes provide details	No				
19	Are there any trees grown on the land?	No				
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<b>Type of tree</b>	Non-fruit bearing	Fruit bearing	Medicinal	Barren or Bushy
			L M S	L M S	L M S	

No.	REQUIRED INFORMATION	DESCRIPTION									
		No. Trees									
<b>B</b>	<b>Current Land Use – Built Structures</b>										
21	Are there any built structures on the Proposed land?	No									
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	No									
23	What is the land filling requirement? (meter)	No									
24	Access Road distance Road from sub-station	Adjacent to the road									

**Photographs of Substation/sub-project**





Existing substation



Proposed Bay station



Un-affected Existing Structure



Access road Picture

**C2. Jaynagar grid, Ishwardi, Pabna (PGCB owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Jaynagar grid, Ishwardi, Pabna (from T-3 Transformer)</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Pabna																															
2	Name of the Sub-district/Upazila	Ishwardi																															
3	Name of the Village/Block	Jaynagar wapda																															
4	Name of The Mouza	Jaynagar																															
5	Name of the Union/Ward	Solimpur																															
6	Coordinates of the land	Latitude: 24.09658648 Longitude: 89.08300035																															
7	Surrounding landscape:	<b>North: Power grid, fellow land South: switching station East: PGCB grid, fellow land West: PGCB grid, fellow land</b>																															
8	Present Status of Proposed Land	PGCB Existing Sub station																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 1986																															
10	What is the approximate total area of the substation/facility	0.4 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	50																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Jaynagar govt school-1.4 km New green Hospital-2.1 km PGCB colony masjid-200 meter																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">B m or Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>5</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			B m or Bus he	L	M	S	L	M	S	L	M	S	No. Trees	5	0	0	0	0	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			B m or Bus he																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	5	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	No
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (Power grid, fellow land)

South (switching station)

East (PGCB grid, Fellow land)

West (PGCB grid, fellow land)



Proposed Bay Extension land

Proposed Bay Extension land



Unaffected existing Structure



Access road

**C3. Natore Grid, Natore PGCB owned land will not compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Natore Grid, Natore</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Natore																															
2	Name of the Sub-district/Upazila	Natore Sadar																															
3	Name of the Village/Block																																
4	Name of The Mouza																																
5	Name of the Union/Ward																																
6	Coordinates of the land	Latitude: 24°24'42.32"N Longitude: 89° 0'31.24"E																															
7	Surrounding landscape:	<b>North: Dhaka Sirajganj highway South: Crop land East: Crop land West: Crop land</b>																															
8	Present Status of Proposed Land	PGCB Proposed Sub station																															
9	How long since the substation/facility has been built (Year of Commissioning)	Proposed land Not yet acquisition																															
10	What is the approximate total area of the substation/facility	4.00 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	No																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	70 meters																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	school-1.3 km college-250 meter jame masjid-450 meter																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	Proposed PGCB land																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Not yet acquisition completed																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bamboo or Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo or Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bamboo or Bushes																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	No
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

### Photographs of Substation/sub-project



North (Dhaka Sirajganj highway)



South (Crop land)



East (Crop land)



West (Crop land)



**C4. Jaldhaka Grid, Nilphamari (PGCB owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION
	Sub Project Under NESCO/PGCB/BREB:	NESCO

No.	REQUIRED INFORMATION	DESCRIPTION																															
Name of Existing Substations/Workshop/ Bay Extension and others Facilities		Jaldhaka Grid, Nilphamari																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Nilphamari																															
2	Name of the Sub-district/Upazila	Jaldhaka																															
3	Name of the Village/Block																																
4	Name of The Mouza																																
5	Name of the Union/Ward																																
6	Coordinates of the land	Latitude: 26° 2'32.85"N Longitude: 88°59'38.46"E																															
7	Surrounding landscape:	<b>North: Power grid South: abandon land East: PGCB grid West: Residence</b>																															
8	Present Status of Proposed Land	Existing PGCB Sub station																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 1993																															
10	What is the approximate total area of the substation/facility	7.0 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (5-10 meter)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Shialkole primary school-500 meter Shahid M Mansur ali Medical-30 meter Sialkole jame masjid-20 meter																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	BPDB Substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bamboo or Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo or Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bamboo or Bushes																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																
21	Are there any built structures on the Proposed land?	No																															
22	If yes, how many primary and secondary structures (Details of structures such as no	No																															

No.	REQUIRED INFORMATION	DESCRIPTION
	or structures by type/category or structure and length/width etc.)	
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (Power grid)



South (Abandon PGCB land)



East (PGCB Grid)



West (Residence)



Existing substation



Existing substation



Proposed bay station land



Access road

**C5. Amnura Grid, Chapainawabganj (PGCB owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION				
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>				
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Amnura Grid, Chapainawabganj</b>				
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>					
1	Name of the District	Chapai nawabganj				
2	Name of the Sub-district/Upazila	Thana-Sadar				
3	Name of the Village/Block	Amnura				
4	Name of The Mouza	Amnura				
5	Name of the Union/Ward	Jhilim				
6	Coordinates of the land	Latitude:24.63411695 Longitude: 88.40193489				
7	Surrounding landscape:	<b>North: Amnura road, Rail gate South: PGCB grid, Power plant East: Access Road, School West: Fellow land, rail line</b>				
8	Present Status of Proposed Land	Existing PGCB Grid				
9	How long since the substation/facility has been built (Year of Commissioning)	2015				
10	What is the approximate total area of the substation/facility	3.5 Acre				
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes				
12	Is the existing facility well fenced and is there any encroachment	Yes				
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	30 meters				
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Amnura darulhuda madrasa-15 meter Amnura mission hospital-750 meter Saif uddin para jame masjid-200 meter				
15	What was land ownership prior to construction of substation/facility (Previous land status)	BPDB				
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A				
17	Was there support of local people while finalizing the substation site?	Yes				
18	Was there any displacement due to the land acquisition, if yes provide details	No				
19	Are there any trees grown on the land?	yes				
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<b>Type of tree</b>	Non-fruit bearing	Fruit bearing	Medicinal	Be m o o B u s h e s
			L M S	L M S	L M S	

No.	REQUIRED INFORMATION	DESCRIPTION									
		No. Trees	0	0	0	1	1	3	0	0	0
<b>B</b>	<b>Current Land Use – Built Structures</b>										
21	Are there any built structures on the Proposed land?	Yes									
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	1 Control room (Not affected) Length-70 feet. Width-50 feet									
23	What is the land filling requirement? (meter)	No									
24	Access Road distance Road from sub-station	Adjacent to the road									

**Photographs of Substation/sub-project**



North (Amnura road, Rail gate)



South (PGCB grid, Power plant)



East (Access Road, School)



West (Fellow land, rail line)



Proposed Bay extension land



Proposed Bay extension land



Un-affected Existing Structure



Access road

**C6. Sabgram Grid, Bogura (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Sabgram Grid, Bogura</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Bogura																															
2	Name of the Sub-district/Upazila	Bogura Sadar																															
3	Name of the Village/Block	Chak alam																															
4	Name of The Mouza	Chak alam																															
5	Name of the Union/Ward	Sabgram																															
6	Coordinates of the land	Latitude: 24.8684830 Longitude: 89.41141479																															
7	Surrounding landscape:	North: Crops land South: Crops land East: Road & hatchery West: Crops land																															
8	Present Status of Proposed Land	NESCO Existing Substation																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2021																															
10	What is the approximate total area of the substation/facility	1 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	No																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (100 meters)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 1km ( sabgram primary School) Madrasa: 1km ( Chakalam dakhil madrasa) Hospital: 2km ( upazilla health complex)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	Private land																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	Mutually parched																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm of Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bus he	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bus he																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	No
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



**C7. Mohasthan Grid, Bogura (PGCB owned land will not compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Mohasthan Grid, Bogura</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Bogura																															
2	Name of the Sub-district/Upazila	Mohasthanagar																															
3	Name of the Village/Block	Hatibanda																															
4	Name of The Mouza	Nagarkandi																															
5	Name of the Union/Ward	Raynagar																															
6	Coordinates of the land	Latitude: 24.95937896 Longitude: 89.35678783																															
7	Surrounding landscape:	North: Control Room South: Fallow land East: Road & Residence West: Residence & Fallow land																															
8	Present Status of Proposed Land	Existing Substation (PGCB)																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2019																															
10	What is the approximate total area of the substation/facility	5 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (100-110 meters)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 1km (Mohasthanagar Model School) Mosque: 1km (Bitul Mamur Mosque) Hospital: 3 km (TMMS Hospital) (Upazila Health complex)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	Private Land																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	Acquired																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	Yes																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm of Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>2</td> <td>0</td> <td>2</td> <td>20</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bus he	L	M	S	L	M	S	L	M	S	No. Trees	0	0	2	0	2	20	0	0	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bus he																							
	L	M	S	L	M	S	L	M	S																								
No. Trees	0	0	2	0	2	20	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	Yes
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	PGCB existing substation
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

### Photographs of Substation/sub-project



North (Control Room)

South (PGCB office room)



East (Road)

West (Existing Substation)



Existing Substation/Proposed bay station



Existing sub-station/ Proposed bay station



Un-affected Existing Structures



Pictures of Access Road

**C8. Puran Bogura Grid, Bogura (PGCB owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Puran Bogura Grid, Bogura</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Bogura																															
2	Name of the Sub-district/Upazila	Bogura sadar																															
3	Name of the Village/Block	Puran bogura																															
4	Name of The Mouza	Puran bogura																															
5	Name of the Union/Ward	Ward no: 08																															
6	Coordinates of the land	Latitude: 24.84117826 Longitude:89.35108921																															
7	Surrounding landscape:	North: Fallow land South: PGCB Building East: Assess Road West: Fallow land																															
8	Present Status of Proposed Land	Existing PGCB substation																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016																															
10	What is the approximate total area of the substation/facility	0.253 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (50 meters)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 1km (PDB primary School) Hospital: 2km (Zia Medical) Mosque: 500 meters (PDB & NESCO Mosque)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	Yes																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm of Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bus he	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	2	2	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bus he																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	0	2	2	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (Fallow land)



South (PGCB Building)



East (Substation & Access Road)



West (Fallow land)



Existing substation/ Proposed bay station



Existing Sub-station Proposed bay station



Existing Structures



Pictures of Access Road

**C9. Dupchachiya Grid, Bogura (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Dupchachiya Grid, Bogura</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Bogura																															
2	Name of the Sub-district/Upazila	Dupchachiya																															
3	Name of the Village/Block	Jogonathnagar																															
4	Name of The Mouza	Jogonathnagar																															
5	Name of the Union/Ward	Dupchachiya union																															
6	Coordinates of the land	Latitude: 24.866636721 Longitude: 89.16250008																															
7	Surrounding landscape:	North: Control room South: Crops land East: Crops land West: Road & Residence																															
8	Present Status of Proposed Land	Existing Substation (NESCO)																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2021																															
10	What is the approximate total area of the substation/facility	1 acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (50-60 meters)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School:500 m (Technical School & College) Hospital: 1km (Upazilla Health Complex)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	From PDB																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	NO																															
19	Are there any trees grown on the land?	NO																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm or Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm or Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bm or Bushes																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the land.

**Photographs of Substation/sub-project**



North (Control room)



South (Crops land)



East (Crops land)



West (Road & Residence)



Existing Sub-station/ Proposed bay station



Existing Substation/ Proposed bay station



Existing Structures



Pictures of Access Road

**C10. Naogaon Grid (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Naogaon Grid</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Naogaon																															
2	Name of the Sub-district/Upazila	Naogaon Sadar																															
3	Name of the Village/Block	Pirojpur																															
4	Name of The Mouza	Pirojpur																															
5	Name of the Union/Ward	Naogaon Sadar union																															
6	Coordinates of the land	Latitude: 24.80311435 Longitude: 88.9639474																															
7	Surrounding landscape:	North: Control room South: Existing Substation East: Assess Road & substation West: Control room & Existing Substation																															
8	Present Status of Proposed Land	Existing Substation (NESCO)																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016																															
10	What is the approximate total area of the substation/facility	1 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (70 meters)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 1km (Pirojpur Gove. Primary School) Hospital: 5km (Naogaon Sadar Hospital)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	Owned from PDB																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	yes																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm or Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>3</td> <td>0</td> <td>1</td> <td>6</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm or Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	3	0	1	6	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bm or Bushes																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	3	0	1	6	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the land

**Photographs of Substation/sub-project**



North (Control room)



South (Existing Substation)



East (Access Road & Substation)



West (Control room & Existing Substation)



Existing Sub-station/ Proposed bay station



Existing Sub-station/ Proposed bay station



Existing Structures/ substation



Pictures of Access Road

**C11. Golahat grid, Sayedpur, Nilphamari (PGCB owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Golahat grid, Sayedpur, Nilphamari</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Nilphamari																															
2	Name of the Sub-district/Upazila	Saidpur Sadar																															
3	Name of the Village/Block	Golahat																															
4	Name of The Mouza	Golahat																															
5	Name of the Union/Ward	Golahat																															
6	Coordinates of the land	Latitude: 25.81290278 Longitude: 88.88559975																															
7	Surrounding landscape:	North: PGCB Substation South: NESCO Control room East: Fallow land West: Road (Saidpur-Nilphamari Road)																															
8	Present Status of Proposed Land	Existing Substation (PGCB)																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016																															
10	What is the approximate total area of the substation/facility	1 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (450-500 Meter)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 1km (PDB Gove. Primary School) College: 3 km ( Saidpur Degree College) Hospital: 5 km ( Upazila Health Complex)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB substation																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	Yes																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">B m of Bus he</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>3</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			B m of Bus he	L	M	S	L	M	S	L	M	S	No. Trees	3	0	0	0	0	0	1	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			B m of Bus he																						
	L	M	S	L	M	S	L	M	S																								
No. Trees	3	0	0	0	0	0	1	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

21	Are there any built structures on the Proposed land?	Yes
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	Existing Substation NESCO
23	What is the land filling requirement? (meter)	Not Require
24	Access Road distance Road from sub-station	Adjacent to the road (10 meter)

**Photographs of Substation/sub-project**



North (PGCB Substation)



South (NESCO Control room)



Existing Sub-stion



Proposed bay station land



Existing Structures



Pictures of Access Road

**C12. Taraganj Grid SS (PGCB owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Taraganj Grid SS</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Rangpur																															
2	Name of the Sub-district/Upazila	Taraganj Sadar																															
3	Name of the Village/Block	Bolabari																															
4	Name of The Mouza	Ikochali																															
5	Name of the Union/Ward	Ikochali																															
6	Coordinates of the land	Latitude: 25.810957 Longitude: 89.100976																															
7	Surrounding landscape:	North: Road (Rangpur - Sayedpur Hwy) South: Crops land East: Crops land West: Crops land																															
8	Present Status of Proposed Land	Under construction PGCB grid																															
9	How long since the substation/facility has been built (Year of Commissioning)	2020																															
10	What is the approximate total area of the substation/facility	4 Acre																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (200 meters)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 200 m (Belabari High School) Rice Mill: 1 km Hospital: 8 km (beltoli Medical)																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	Private land																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	Acquire																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	NO																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bamboo or Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo or Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo or Bushes																							
	L	M	S	L	M	S	L	M	S																								
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	Under Construction PGCB Grid
23	What is the land filling requirement? (meter)	N/A
24	Access Road distance Road from sub-station	Adjacent to the land

**Photographs of Substation/sub-project**



North: Road (Rangpur - Sayedpur Hwy)

South (Paddy)



East (Paddy)

West (Paddy)



Proposed bay station land

Existing Substation

#### D. Substation switching station and Bay Extensions

##### D1. Rangpur (PGCB 132/3 kV Rangpur) (NESCO owned land will not be compensated)

No.	REQUIRED INFORMATION	DESCRIPTION				
Sub Project Under NESCO/PGCB/BREB:		NESCO				
Name of Existing Substations/Workshop/ Bay Extension and others Facilities		Switching Station & Bay Extension, Rangpur				
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>					
1	Name of the District	Rangpur				
2	Name of the Sub-district/Upazila	Thana-Kotwali				
3	Name of the Village/Block	Alamnagar				
4	Name of The Mouza	Alamnagar				
5	Name of the Union/Ward	Ward no-21				
6	Coordinates of the land	Latitude: 25.72850379 Longitude: 89.25239459				
7	Surrounding landscape:	<b>North: Nesco control room, Store</b> <b>South: Residential</b> <b>East: Nesco rest house</b> <b>West: workshop &amp; fellow land</b>				
8	Present Status of Proposed Land	Fallow land				
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016				
10	What is the approximate total area of the substation/facility	0.6 Acre				
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	Yes				
12	Is the existing facility well fenced and is there any encroachment	Yes				
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	120 meters				
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Carmickle school-520 meter Nesco jame masjid-110 meter				
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB Substation				
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A				
17	Was there support of local people while finalizing the substation site?	Yes				
18	Was there any displacement due to the land acquisition, if yes provide details	No				
19	Are there any trees grown on the land?	Yes				
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	Type of tree	Non-fruit bearing	Fruit bearing	Medicinal	Be m o c B u s h e

No.	REQUIRED INFORMATION	DESCRIPTION												
		No.	L	M	S	L	M	S	L	M	S	L	M	S
		Trees	0	0	2	10	0	0	0	0	0	0	0	0
<b>B</b>	<b>Current Land Use – Built Structures</b>													
21	Are there any built structures on the Proposed land?	No												
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	No												
23	What is the land filling requirement? (meter)	No												
24	Access Road distance Road from sub-station	Adjacent to the road												

**Photographs of Substation/sub-project**



North (Nesco control room, Store)



South (Residential)



East (Nesco rest house)



West (workshop & fellow land)



Proposed switching and bay station



Existing substation picture



Existing Structure picture



Access Road picture

**D2: Kathakali 132 kV PGCB, Kathakali, (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Kathakali 132 kV PGCB, Kathakali</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Rajshahi																															
2	Name of the Sub-district/Upazila	Thana-Paba																															
3	Name of the Village/Block	Katakali																															
4	Name of The Mouza	Som sadipur																															
5	Name of the Union/Ward	Ward no-3																															
6	Coordinates of the land	Latitude: 24.36602538 Longitude: 88.67532168																															
7	Surrounding landscape:	<b>North: Nesco Sub Station grid South: Nesco S &amp; D-5 Office East: Nesco Store West: Nesco Abandon land, Residence</b>																															
8	Present Status of Proposed Land	NESCO Existing switching Station																															
9	How long since the substation/facility has been built (Year of Commissioning)	2020																															
10	What is the approximate total area of the substation/facility																																
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	60 meters																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Nesco link primary school-70 meter Bidyt kendro jame masjid-400 meter Sadia memorial hospital-270 meter																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	PDB (2003)																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm of Bus hes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bus hes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bus hes																							
	L	M	S	L	M	S	L	M	S																								
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (Nesco Sub Station grid)



South (Nesco S & D-5 Office)



East (Nesco Store/Abandon land)



West (Nesco Abandon land, Residence)



Existing and proposed switching station



Existing and proposed switching station



Unaffected Structure picture



Access road picture

**D3. Switching Station, purbo sadipur, Dinajpur (NESCO owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Purbo sadipur Switching Station</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Dinajpur																															
2	Name of the Sub-district/Upazila	Kaharul																															
3	Name of the Village/Block	Purbo Sadipur																															
4	Name of The Mouza	Beldanga																															
5	Name of the Union/Ward	Sundorpur																															
6	Coordinates of the land	Latitude:25.7540549 Longitude: 88.67887761																															
7	Surrounding landscape:	<b>North: PGCB sub station, Access Road South: Agricultural land East: Agricultural land West: Nesco control room</b>																															
8	Present Status of Proposed Land	NESCO Existing switching Station																															
9	How long since the substation/facility has been built (Year of Commissioning)	2016																															
10	What is the approximate total area of the substation/facility	0.22																															
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	100 meter 150 HH																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	Purbo mollikpur MGH school-750 meter Altafun nesa Hospital-1.9 km Dosh mile jame masjid-700 meter																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	NESCO Own Land																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	N/A																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bm of Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bm of Bushes																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	0	0	0	0	0	0	0	0																							
<b>B</b>	<b>Current Land Use – Built Structures</b>																																

No.	REQUIRED INFORMATION	DESCRIPTION
21	Are there any built structures on the Proposed land?	Yes
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	Existing Switching Station
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road

**Photographs of Substation/sub-project**



North (PGCB sub station, Access Road)



South (Agricultural land)



East (Agricultural land)



West (Nesco control room)



Pictures of Access Road



Proposed substation picture



Proposed Switching station land



Proposed Switching station land



Existing Structure Picture



Access Road picture

**E. Substation switching Station (GIS/AIS 33 kv)**

**E1. Pabna AIS (only Panel Shifting) (PGCB owned land will not be compensated)**

No.	REQUIRED INFORMATION	DESCRIPTION																															
<b>Sub Project Under NESCO/PGCB/BREB:</b>		<b>NESCO</b>																															
<b>Name of Existing Substations/Workshop/ Bay Extension and others Facilities</b>		<b>Pabna AIS (only Panel Shifting)</b>																															
<b>A</b>	<b>Location of the of Existing Substations/Workshop/ Bay Extension and others Facilities</b>																																
1	Name of the District	Pabna																															
2	Name of the Sub-district/Upazila	Pabna Sadar																															
3	Name of the Village/Block	Nurpur																															
4	Name of The Mouza	Radhanagar																															
5	Name of the Union/Ward	Ward no: 10																															
6	Coordinates of the land	Latitude: 24.02376282 Longitude: 89.23458522																															
7	Surrounding landscape:	<b>North: Guardroom</b> <b>South: Control Room</b> <b>East: Fallow land</b> <b>West: Mango Garden</b>																															
8	Present Status of Proposed Land	Existing PGCB substation																															
9	How long since the substation/facility has been built (Year of Commissioning)	Year 2016																															
10	What is the approximate total area of the substation/facility																																
11	Is there any requirement for additional land required for bay extension/construction of additional infrastructure/bay	No																															
12	Is the existing facility well fenced and is there any encroachment	Yes																															
13	What is the nearest habitat from the substation (distance in meters) and how many households in the just in the vicinity	Adjacent to the land (40-50 meter)																															
14	Are there any social infrastructure (schools, hospitals, temples, monastery etc). If yes, name and distance from the substation/facility	School: 1km (Baliya Halot School) BADC: 200 Meters Hospital: 1km (Pabna Community Hospital) Upazilla Porishad: 200 meters																															
15	What was land ownership prior to construction of substation/facility (Previous land status)	Private land																															
16	If private land, has the land been acquired or mutually purchased or voluntarily donated?	Acquired																															
17	Was there support of local people while finalizing the substation site?	Yes																															
18	Was there any displacement due to the land acquisition, if yes provide details	No																															
19	Are there any trees grown on the land?	No																															
20	If yes, what are the trees grown (Type [small, medium, large] and their numbers)	<table border="1"> <thead> <tr> <th rowspan="2">Type of tree</th> <th colspan="3">Non-fruit bearing</th> <th colspan="3">Fruit bearing</th> <th colspan="3">Medicinal</th> <th rowspan="2">Bamboo/Bushes</th> </tr> <tr> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> <th>L</th> <th>M</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>No. Trees</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Type of tree	Non-fruit bearing			Fruit bearing			Medicinal			Bamboo/Bushes	L	M	S	L	M	S	L	M	S	No. Trees	0	0	0	0	0	0	0	0	0	0
Type of tree		Non-fruit bearing			Fruit bearing			Medicinal			Bamboo/Bushes																						
		L	M	S	L	M	S	L	M	S																							
No. Trees	0	0	0	0	0	0	0	0	0	0																							

No.	REQUIRED INFORMATION	DESCRIPTION
<b>B Current Land Use – Built Structures</b>		
21	Are there any built structures on the Proposed land?	No
22	If yes, how many primary and secondary structures (Details of structures such as no of structures by type/category of structure and length/width etc.)	N/A
23	What is the land filling requirement? (meter)	No
24	Access Road distance Road from sub-station	Adjacent to the road.

**Photographs of Substation/sub-project**



North (Guardroom)



South (Control Room)



East (Fallow land)



West (Mango Garden)



Existing sub-station and Proposed Switching station



Existing sub-station and proposed switching station



Access Road



Consultation with NESCO & PGCB officials