



### Project Summary Information

Date of Document Preparation: Feb. 24, 2022

<b>Project Name</b>	Assam Electricity Distribution System Enhancement and Loss Reduction Project
<b>Document Code</b>	PD000315-PSI-IND
<b>Country</b>	Republic of India
<b>Sector/Subsector</b>	Energy / Electricity Transmission and Distribution
<b>Status of Financing</b>	Approved
<b>Project Description</b>	<p>The project aims to augment Assam's electricity distribution system, comprising networks at 33Kilo-Volts (KV) level and below, by a) constructing new 33/11KV substations at important load centers, b) laying of new 33KV and 11KV overhead distribution lines, c) installation of new High Voltage Distribution System (HVDS) at select locations to improve reliability and to reduce the distribution losses, and d) introducing smart meters. The project will consist of the following components:</p> <ul style="list-style-type: none"> <li>- Component 1: Construction of approximately 196 nos. of 33/11KV substations with the associated 33KV and 11KV distribution lines;</li> <li>- Component 2: Construction of HVDS at around 2,000 locations to replace the existing low voltage network;</li> <li>- Component 3: Installation of approximately 185,000 smart meters for domestic consumers; and</li> <li>- Component 4: Technical assistance including a) engaging Project Management Consultants to support project implementation, and b) implementing measures such as trainings, workshops and procurement of new testing tools to improve the capacity of the implementing entity (Assam Power Distribution Company Limited or APDCL).</li> </ul>
<b>Objective</b>	The objective of the Project is to improve the reliability, capacity and security of the power distribution system in Assam.

<b>Expected Results</b>	<p>The project is expected to result in improvement of the electricity distribution network by reducing distribution losses, voltage fluctuations and distribution transformers' failure rates. The key results indicators are:</p> <ul style="list-style-type: none"> <li>(i) Primary energy consumption saved (measured in Giga Watt hours or GWh);</li> <li>(ii) Greenhouse gas emissions reduction (tons of CO<sub>2</sub> equivalent per year);</li> <li>(iii) Reduction in distribution losses (%); and</li> <li>(iv) Additional capacity added to the distribution system (measured in Mega Volt-Ampere or MVA).</li> </ul>
<b>Environmental and Social Category</b>	Category B
<b>Environmental and Social Information</b>	<p>The Bank's Environmental and Social Policy (ESP), including the Environment and Social Standards (ESSs) and the Environmental and Social Exclusion List (ESEL) will apply to this project. ESS 1 (Environmental and Social Assessment and Management) will apply to assessment and mitigation of environmental and social (ES) risks and impacts. Applicability of ESS 2 (Involuntary Resettlement) and ESS 3 (Indigenous Peoples) will be assessed during implementation. The project has been categorized as Category B with a "Medium" ES risk rating.</p> <p>As the project consists of sub-projects whose details are not yet identified and require a phased approach, the client has prepared and AIIB has reviewed an Environmental and Social Management Planning Framework (ESMPF) accompanied with model Environmental and Social Impact Assessments (ESIAs) for selected sub-projects, a generic Environmental and Social Management Plan (ESMP), and precautionary Resettlement Planning Framework (RPF) and Tribal People Development Framework (TPDF) in case ESS2 and ESS3 are triggered.</p> <p>Based on the preliminary ES impact assessment under the ESMPF, the environmental, social, health and safety risks and impacts are localized, expected to be temporary, reversible in nature and can be managed and mitigated through implementation of ESMPF and the ESMP as well as ESIAs prepared for each one of subprojects which will be prepared based on good practices.</p> <p>Consultations concerning the model ESIA and ESMPF have been conducted. This process of consultation will continue during project implementation, in accordance with national guidelines on restrictions imposed due to the COVID-19 pandemic. The English version of the ESMPF, and Assamese executive summary of the ESMPF have been posted on the</p>

	<p>client's<sup>1</sup> and AIIB's<sup>2</sup> websites and hard copies made available in the project area. More ES information will be further disclosed in accordance with prepared ES Information Disclosure Plan of the ESMPF.</p> <p>A multi-tier Grievance Redress Mechanism (GRM) at the project-level has been proposed by the ESMPF in accordance with the requirements of the Bank's ESP. Locally appropriate public consultation and disclosure process will be used to disseminate information about the project-level GRM and the PPM. Communities and individuals who believe that they are adversely affected by the project will be able to submit complaints to the project-level GRM for their resolution. In addition to the above GRM for addressing complaints from the local community, commensurate mechanism will be made available at the contractor level for worker's grievance.</p>																																												
<p><b>Cost and Financing Plan</b></p>	<p style="text-align: center;"><b><u>Indicative Cost and Financing Plan (USD millions)</u></b></p> <table border="1" data-bbox="714 655 1879 1129"> <thead> <tr> <th rowspan="3">Item</th> <th rowspan="3">Cost</th> <th colspan="4">Financing</th> </tr> <tr> <th colspan="2">AIIB</th> <th colspan="2">Govt. of Assam</th> </tr> <tr> <th>Amount</th> <th>Share</th> <th>Amount</th> <th>Share</th> </tr> </thead> <tbody> <tr> <td><u>Component 1</u></td> <td>329</td> <td>263</td> <td>80%</td> <td>66</td> <td>20%</td> </tr> <tr> <td><u>Component 2</u></td> <td>105</td> <td>84</td> <td>80%</td> <td>21</td> <td>20%</td> </tr> <tr> <td><u>Component 3</u></td> <td>44</td> <td>35</td> <td>80%</td> <td>9</td> <td>20%</td> </tr> <tr> <td><u>Component 4</u></td> <td>4</td> <td>4</td> <td>100%</td> <td>-</td> <td>-</td> </tr> <tr> <td><b>Total</b></td> <td><b>482</b></td> <td><b>386</b></td> <td><b>80%</b></td> <td><b>96</b></td> <td><b>20%</b></td> </tr> </tbody> </table>	Item	Cost	Financing				AIIB		Govt. of Assam		Amount	Share	Amount	Share	<u>Component 1</u>	329	263	80%	66	20%	<u>Component 2</u>	105	84	80%	21	20%	<u>Component 3</u>	44	35	80%	9	20%	<u>Component 4</u>	4	4	100%	-	-	<b>Total</b>	<b>482</b>	<b>386</b>	<b>80%</b>	<b>96</b>	<b>20%</b>
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<sup>1</sup> <https://www.apdcl.org/website/Aiib>

<sup>2</sup> <https://www.aiib.org/en/projects/details/2022/approved/India-Assam-Distribution-System-Enhancement.html>

<b>Implementing Entity</b>	Assam Power Distribution Company Limited		
<b>Estimated date of loan closing</b>	12/2027		
<b>Contact Points:</b>	<b>AIIB</b>	<b>Borrower</b>	<b>Implementation Entity</b>
<b>Name</b>	Hari Bhaskar	Prasanna V Salian	Pradeep Goswami
<b>Title</b>	Principal Investment Operations Specialist	Deputy Secretary Department of Economic Affairs Ministry of Finance	Chief Project Manager
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<b>Date of Concept Decision</b>	Nov 2019		
<b>Date of Appraisal Decision</b>	Nov 2021		
<b>Date of Financing Approval</b>	Feb 2022		

<b>Independent Accountability Mechanism</b>	<p>AIIB's Policy on the Project-affected Peoples Mechanism (PPM) applies to this Project. The PPM has been established by the Bank to provide an opportunity for the independent and impartial review of submissions from Project-affected people who believe they have been or are likely to be adversely affected by the Bank's failure to implement its ESP in situations when their concerns cannot be addressed satisfactorily through the project-level GRM or the processes of the Bank's Management. For information on the PPM, please visit: <a href="https://www.aiib.org/en/policies-strategies/operational-policies/policy-on-the-project-affected-mechanism.html">https://www.aiib.org/en/policies-strategies/operational-policies/policy-on-the-project-affected-mechanism.html</a></p>
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