

 Early Warning System

ADB-58396-001

India : Maharashtra Power Distribution Enhancement Program for  
Agricultural Solarization



## Quick Facts

|                         |  |
|-------------------------|--|
| Countries               | India  |
| Specific Location       | Maharashtra                                      |
| Financial Institutions  | Asian Development Bank (ADB)                     |
| Status                  | Proposed   |
| Bank Risk Rating        | B  |
| Borrower                | Government of India                              |
| Sectors                 | Agriculture and Forestry, Energy, Infrastructure |
| Investment Type(s)      | Loan   |
| Investment Amount (USD) | \$ 540.00 million                                |
| Loan Amount (USD)       | \$ 540.00 million                                |
| Project Cost (USD)      | \$ 540.00 million                                |



## Project Description

As stated by the ADB, the proposed results-based lending (RBL) aims to enhance power distribution by supporting the Maharashtra State Electricity Distribution Company Limited (MSEDCL) of the Government of Maharashtra, India through:

- (i) efficient transfer of state-owned renewable energy to agricultural consumers,
- (ii) reducing technical losses in distribution, and
- (iii) enabling renewable energy penetration.

The outcome: agricultural communities in Maharashtra access to low-carbon electricity and green jobs improved. This includes providing daytime electricity supply through renewable power to at least 900,000 farmers, increasing MSEDCL's Renewable Energy Purchase Obligation to at least 20%, reducing greenhouse gas emissions through agricultural solarization, lowering the failure rate of distribution transformers connected to agriculture feeders, and generating at least 10,000 direct rural jobs in the renewable energy sector.

The program aims to supply distributed renewable energy to Maharashtra's agricultural sector, benefitting farmers across 36 districts with positive social and environmental impacts. The RBL Program will implement physical infrastructure activities, including development of 5–20 megawatts (MW) utility-scale solar photovoltaic (PV) (totaling 1,000 MW under the viability gap funding [VGF]), 240 new substations, 1,500 circuit kilometers of 33 kilovolts (kV) High Tension (HT) lines, 4,500 circuit kilometers of 11 kV HT lines, 6,000 new distribution transformers.

The results-based lending (RBL) program outputs will include developing an Agriculture Solarization Monitoring Dashboard, Supervisory Control and Data Acquisition and conducting knowledge and awareness activities for up to 5,000 local participants on green jobs, internship opportunities with MSEDCL for women, and green-energy livelihoods options for up to 300 beneficiaries.



## Investment Description

- Asian Development Bank (ADB)



## Private Actors Description

As stated by Bloomberg, Maharashtra State Electricity Distribution Company Limited provides utility services. The Company offers electricity generation, transmission, and distribution services for agricultural, industrial, commercial, and consumer markets. Maharashtra State Electricity Distribution serves customers in India.



| Private Actor 1 | Private Actor 1 Role | Private Actor 1 Sector | Relation | Private Actor 2  | Private Actor 2 Role | Private Actor 2 Sector |
|-----------------|----------------------|------------------------|----------|--|----------------------|------------------------|
| -               | -                    | -                      | -        | Maharashtra State Electricity Distribution Company Limited | Client               | Energy                 |



## Contact Information

### ADB Team Leader:

Jaimes Kolantharaj - Principal Energy Specialist

*No contacts provided at the time of disclosure.*

## ACCESS TO INFORMATION

You can submit an information request for project information at: <https://www.adb.org/forms/request-information-form>

ADB has a two-stage appeals process for requesters who believe that ADB has denied their request for information in violation of its Access to Information Policy. You can learn more about filing an appeal at: <https://www.adb.org/site/disclosure/appeals>

## ACCOUNTABILITY MECHANISM OF ADB

The Accountability Mechanism is an independent complaint mechanism and fact-finding body for people who believe they are likely to be, or have been, adversely affected by an Asian Development Bank-financed project. If you submit a complaint to the Accountability Mechanism, they may investigate to assess whether the Asian Development Bank is following its own policies and procedures for preventing harm to people or the environment. You can learn more about the Accountability Mechanism and how to file a complaint at: <http://www.adb.org/site/accountability-mechanism/main>.



## Bank Documents

- [Program Safeguard Systems Assessment](#)