**Indonesia: Integrated Participatory Development and Management of Irrigation Program**

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Integrated Participatory Development and Management of Irrigation Program</th>
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</thead>
<tbody>
<tr>
<td>Project Number</td>
<td>43220-014</td>
</tr>
<tr>
<td>Country</td>
<td>Indonesia</td>
</tr>
<tr>
<td>Project Status</td>
<td>Active</td>
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<tr>
<td>Project Type / Modality of Assistance</td>
<td>Loan</td>
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</table>
| Source of Funding / Amount | Loan 3529-INO: Integrated Participatory Development and Management of Irrigation Program  
Ordinary capital resources  
US$ 500.00 million  
Loan 8327-INO: Integrated Participatory Development and Management of Irrigation Program  
ASEAN Infrastructure Fund  
US$ 100.00 million  
Loan: Integrated Participatory Development and Management of Irrigation Program  
World Bank  
US$ 28.00 million |
| Strategic Agendas | Environmentally sustainable growth  
Inclusive economic growth |
| Drivers of Change | Governance and capacity development  
Partnerships |
| Sector / Subsector | Agriculture, natural resources and rural development - Irrigation |
| Gender Equity and Mainstreaming | Some gender elements |

**Description**
The program will support the Government of Indonesia in implementing its irrigation improvement program (IIP), 2015-2025, which advances the overarching agenda of food security and rural poverty reduction through increased and improved water delivery. The focus of the ADB support will be on improving irrigation system operation, maintenance, and water delivery to farmers. The program will finance a time slice of the government’s IIP in 74 districts across 16 provinces from 2017 to 2021. The International Fund for Agricultural Development (IFAD) is providing parallel financing to the Ministry of Agriculture for improved delivery of agricultural services to maximize the benefits of the irrigation improvements.

**Project Rationale and Linkage to Country/Regional Strategy**
The program is aligned with the government’s long-term National Development Plan, 2005-2025 and National Medium-Term Development Plan, 2015-2019, in which water and food security are priorities. To meet these national goals, the irrigation improvement program calls for participatory irrigation management, better asset management systems, needs-based budgeting, strengthening of water users associations and water resources agencies, and the rehabilitation of 3.2 million ha of irrigation systems. The program is also aligned with the priorities of ADB’s country partnership strategy, 2016-2019 for Indonesia. The Program promotes improved operation and maintenance (O&M) and management. The program is included in ADB’s country operations business plan, 2017-2019 for Indonesia. It is aligned with ADB’s Water Operational Plan, 2011-2020 and Operational Plan for Agriculture and Natural Resources, 2015-2020.

**Impact**
Improved rural incomes and livelihoods, and enhanced food security

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<tr>
<th>Project Outcome</th>
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<tr>
<td>Description of Outcome</td>
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<tr>
<td>Progress Toward Outcome</td>
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<tr>
<th>Implementation Progress</th>
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| Description of Project Outputs | Systems and institutional capacity for sustainable irrigated agriculture strengthened  
Irrigation operation, maintenance, and management improved  
Irrigation infrastructure improved |
DGWR reported 94,052 ha. from national schemes and 122,871 ha. from subnational schemes rehabilitated in 2017. DILL now reviewing achievements with social and environment screening tools to ensure Category A irrigation schemes were not included. Modernization guidelines drafted. As of 31 Dec 2017, guidelines for PROM, SETIP, WUAs; and IAMP are being updated. Methodology to establish the certification system was consulted with DGWR, MOA, and MOHA through national convention. The irrigation commissions performance indicators guidelines have been updated as the basis to assess operationalization of irrigation commissions. The RP2I guidelines have been drafted. Once issued, DOM will review the 12 RP2Is that have been reported in the program area. The program will support updating and improvement of RP2Is as relevant. Gender audit is ongoing. Based on audit, gender mainstreaming elements are included in these guidelines and monitoring forms. A draft capacity development framework (CDF) has been developed and will be implemented on a yearly basis. The CDF comprises technical fiduciary (financial management procurement, anti-corruption), environment and social safeguards, and management components to improve capacity of participating agencies to comply with government regulations and agree program action plan. Most of 2018 CDF activities will be implemented in 2018 in cluster basis. All technical toolkits that describe legal basis, implementation guidelines and are being finalized by respective technical units for dissemination. Toolkits will form the basis of the training modules to support implementation of the CDF. Conceptualization of an updated IAMIS software has started and is expected to be upgraded to a web-based geospatial system by Dec 2018. Will start to review quality of 0.2 million ha and integrate them to IAMIS. WUAs performance indicators are being updated. As of to May 2018, inception mission 3720 WUAs have been inventoried in the program area. List of registered WUAs within the program area is being compiled. The SETIP guidelines have been updated (DLU2). The updated guidelines include gender mainstreaming elements, and environment and social safeguards information.

The government has a comprehensive framework for participation of beneficiaries in irrigation. Farmers are involved at every step of the process of planning, design and implementation rehabilitation works, maintain and operate irrigation systems as laid out in the MNPJN regulations 12/2015 and 30/2015. Indonesia also has a regulatory framework which supports gender equality.

The program design includes enhancing community participation to improve governance and delivery of services.

Responsponsible Officer: Eric Quincieu

Responsible ADB Department: Southeast Asia Department

Responsible ADB Division: Environment, Natural Resources & Agriculture Division, SERD

Executing Agencies: Directorate General of Water Resources

Jl. Pattimura No.20, Jakarta

Ministry of Public Works & Housing

SEK@EN@PL@GO.ID

Jl. Pattimura No. 20 Keb. Baru

Jakarta, Selatan, Indonesia

**Timetable**

| Concept Clearance | 29 May 2016 |
| Fact Finding | 09 Feb 2016 to 28 Mar 2016 |
| MRM | 23 Jun 2016 |
| Approval | 18 May 2017 |
| Last Review Mission | - |
| Last PD Update | 28 Sep 2018 |

**Loan 3529-INO**

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<th>Effectivity Date</th>
<th>Closing</th>
<th>Original</th>
<th>Revised</th>
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<td>31 Jul 2017</td>
<td>08 Sep 2017</td>
<td>30 Jun 2023</td>
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### Loan 8327-INO

#### Milestones

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#### Financing Plan

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<th>Total (Amount in US$ million)</th>
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<th>ADB</th>
<th>Others</th>
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