

Water Financing Partnership Facility

Annual Report 2016



BILL & MELINDA
GATES *foundation*



Kingdom of the Netherlands



ABBREVIATIONS

| | | |
|-------|---|--|
| ADB | – | Asian Development Bank |
| AWDO | – | Asian Water Development Outlook |
| CDTA | – | capacity development technical assistance |
| DBO | – | design-build-operate |
| DMC | – | developing member country |
| DMF | – | design and monitoring framework |
| IAMIS | – | irrigation asset management information system |
| IWRM | – | integrated water resources management |
| MFF | – | multitranches financing facility |
| PATA | – | policy advisory technical assistance |
| PCR | – | project completion report |
| PPTA | – | project preparatory technical assistance |
| PRC | – | People's Republic of China |
| RETA | – | regional technical assistance |
| TA | – | technical assistance |
| TCR | – | TA completion report |
| WHO | – | World Health Organization |
| WFPF | – | Water Financing Partnership Facility |
| WSP | – | water safety plan |

NOTES

- (i) In preparing any country program or strategy, financing any project, or by making any designation of, or reference to, a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgment as to the legal or other status of any territory or area.
- (ii) In this report, "\$" refers to US dollars.

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I. INTRODUCTION

1. The Water Financing Partnership Facility (WFPF or the Facility) was established on 29 November 2006, to provide additional financial and knowledge resources from development partners to support the implementation of Asian Development Bank's (ADB) Water Financing Program, thus achieving the following targeted outcomes by 2020: (i) 500 million people with sustainable access to safe drinking water and improved sanitation, (ii) 170 million people with reduced risks to floods, (iii) 95 million people with more productive and efficient irrigation and drainage services, (iv) integrated water resources management (IWRM) introduced in 30 river basins, and (v) improved water governance through national water reforms and capacity development
2. The Facility's overview and updated governance structure are provided in Appendix 1.
3. This Report covers the period January to December 2016 and presents the performance for the year against the annual work program and the cumulative performance to date measured against the Facility's Design and Monitoring Framework (DMF) as revised in 2016 (see Appendix 2).

II. HIGHLIGHTS AND KEY ACHIEVEMENTS

4. ADB's water operation in 2016 witnessed a sustained level of investment that made it possible to meet the annual target of \$2.0-\$2.5 billion. The approved investments amounted to \$2.418 billion, covering all water sub-sectors. However, while this is an achievement in itself, ADB recognizes that its investments would benefit from further broadening across a range of water sub-sectors, including more focus on flood risk and environmental water management. Investment in irrigation and drainage, and flood management is yet to reach a comparable level, although an increasing trend in the latter is noted. Further, ADB is committed to financing climate and disaster-resilient water infrastructure, with a future vision of water sector investments predicated on climate change adaptation.
5. Faced with fund constraints that pose a challenge going forward, the WFPF continued to perform well as exemplified in the following presentations of 2016 highlights and achievements.

Delivering Results

6. **More than half of 2016 approved water investments benefited from WFPF support.** An equivalent of \$1.316 billion or 53% of the \$2.418 billion approved projects in 2016 benefited from WFPF support by way of grant component of loan, technical assistance (TA) attached to loan, cofinancing of project preparation technical assistance (PPTA) and other project support. The subsector and regional distribution are provided in Tables 1 and 2, respectively.

Table 1: 2016 Approved Water Investments By Subsector (in Billion)

| Sub-Sector | 2016 Approved Investments | WFPF Supported |
|---|---------------------------|----------------|
| Water Supply, Sanitation, and Wastewater Management | 1.374 | 0.723 |
| Irrigation and Drainage | 0.283 | 0.234 |
| Flood Management | 0.512 | 0.259 |
| Water Resources Management | 0.240 | 0.100 |
| Hydropower Generation | 0.009 | 0.000 |
| Total | 2.418 | 1.316 |

Table 2: 2016 Approved Water Investments By Region (in Billion)

| Region | 2016 Approved Investments | WFPF Supported |
|-----------------------|---------------------------|----------------|
| Central and West Asia | 0.463 | 0.179 |
| East Asia | 0.634 | 0.169 |
| Pacific | 0.045 | 0.045 |
| South Asia | 0.668 | 0.568 |
| Southeast Asia | 0.458 | 0.355 |
| Private Sector | 0.150 | 0.000 |
| Total | 2.418 | 1.316 |

**Box 1: Indonesia
Flood Management in Selected River Basins
Sector Project**

Approved in August 2016, this investment supports better management and mitigation of flood risks.

Frequency of flooding in Indonesia has been increasing and flood impacts have worsened since 1980. Weak hydrological data acquisition and management, and flood forecasting and climate risk modelling, and lack of coordinated decision-making have limited the government's flood management capacity and effectiveness. Not to mention insufficient investment and poor operation and maintenance of flood protection infrastructure.

7. One of those approved is the \$108.70 million loan for Flood Management in Selected River Basins Sector Project¹ in Indonesia (see Box 1) for which the PPTA was cofinanced by WFPF in the amount of \$387,385. The Project which supports the government's target of \$3 billion investment in flood management will (i) enhance hydrometeorological data analysis and management, and institutional coordination for flood risk management, (ii) upgrade flood protection infrastructure, (iii) improve watershed conditions to moderate run-off peaks and soil erosion, and (iv) prepare the communities for managing floods.

8. **Completed flood management project.** During the reporting period, the project completion report (PCR) for Hunan Flood Management Sector Project² in the People's Republic of China (PRC) revealed a higher number of actual beneficiaries than expected. The number of people whose risk to flooding was reduced as a result of the project totaled 16 million, far exceeding the target of 6.4 million. This significant increase is mainly attributable to the growth of industrial and commercial enterprises in the project areas. As stated in the PCR, the number grew from 522,569 in 2006 to 750,950 in 2015. The PCR further stated that by 2015, the land value for industrial and commercial purposes in the project areas increased by an average of 65% from 2005. The project was supported by WFPF through an advisory technical assistance (TA) attached to the loan which: (i) reviewed and analyzed Hunan's flood warning system, and (ii) assessed the feasibility of providing flood insurance to rural and urban people in Hunan. The TA recommendations were adopted by Hunan provincial government to guide the implementation of integrated and sustainable flood management.

9. **First Green Climate Fund for water supply and wastewater management.** ADB received a \$31 million grant from the Green Climate Fund – a first for ADB – to support the Urban Water Supply and Wastewater Management Investment Program³ in Fiji through a \$153.20 million multitranche financing facility (MFF). The initial tranche of \$42.11 million was approved in November 2016. It is envisaged that by 2023, 98% of the population in the greater Suva area will have access to continuous supply of safe drinking water and 60% of households have access to a reticulated sewerage system. The project benefited from the design-build-

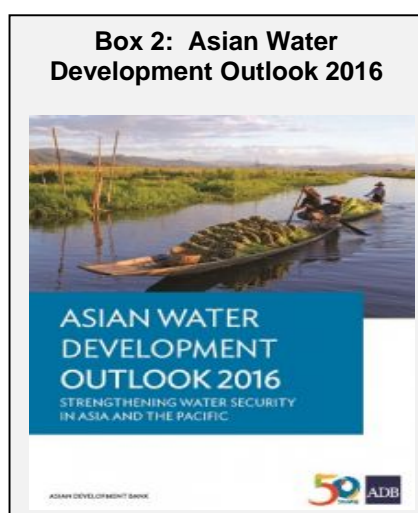
¹ LN3440-INO: Flood Management in Selected River Basins Sector Project

² LN2244-PRC: Hunan Flood Management Sector Project

³ LN3512-FIJ: Urban Water Supply and Wastewater Management Investment Program

operate (DBO) sample bidding documents and guidelines for water and wastewater treatment projects prepared by a DBO procurement expert engaged through WFPF resources. The use of DBO mode of contracts, as indicated in the January-June 2016 semiannual progress report, is one of the sustainability measures ADB is taking to enhance operation and maintenance (O&M) arrangement. Furthermore, as previously reported, WFPF is supporting the Water Authority of Fiji in the pilot implementation of AquaRating⁴, a tool to help enhance the sustainability of the utility's operation and increase its accountability. The pilot is scheduled to be completed in March 2017.

10. **Breakthrough policy on fecal sludge management.** The institutional and regulatory framework for establishing fecal sludge management (FSM) systems in Nepal was completed and approved in 2016 at the Ministry level. In parallel, the standard design and guidelines for construction of domestic septic tanks became an integral part of the Department of Water Supply and Sanitation's Design 12 Volumes (equivalent of "building code"). Furthermore, the Water, Sanitation, and Hygiene (WASH) Policy Framework was updated to highlight a section on FSM. This was facilitated through WFPF complementary support to the ongoing Third Small Towns Water Supply and Sanitation Sector Project⁵. WFPF mobilized technical, regulatory, and financing experts to help put in place the enabling conditions for developing and implementing FSM projects.



11. **Assessment of water security in Asia-Pacific.** The Asian Water Development Outlook (AWDO) 3rd edition (see Box 2), financed from WFPF resources, was released at Stockholm World Water Week in August 2016. This edition assessed the progress in water security in Asia and the Pacific over the past five years and found that overall the region has made progress since the 2013 edition, when 38 out of 49 countries were assessed as water insecure. In 2016, the number has reduced to 29 countries.

12. AWDO was created by ADB and the Asia-Pacific Water Forum to highlight important water management issues, targeted at leaders and policy makers. The inaugural edition in 2007 was prepared to initiate dialogue on the water security of the region. It underlined the need for broader perspective to address water security than traditional sector-focused approaches. The 2nd edition in 2013 introduced the first quantitative and comprehensive assessment framework for water security in the countries of Asia and the Pacific. It highlighted the need for integrated planning and management of water resources. The 2016 edition has further strengthened AWDO 2013 by probing deeper, refining the water security indicators, and using the latest available datasets.

Sustaining WFPF Operation

13. **\$3.95 million allocated to 11 projects in 2016.** A total of \$3.95 million was allocated to eleven projects during the reporting period covering water supply, sanitation and wastewater management, irrigation and drainage, and flood management. The list of approved allocations is provided in Appendix 3).

⁴ AquaRating is a comprehensive and objective rating system for water and wastewater utilities based on audited information jointly developed by the Inter-American Development Bank and International Water Association.

⁵ LN3157-NEP: Third Small Towns Water Supply and Sanitation Project

14. More than 50% of approved allocations went to rural areas.

It is worth noting that 52% of the approved allocations went to two rural water supply and sanitation projects, and two irrigation and drainage projects. A couple of those approved within the first half of the year were cited in the January-June 2016 semiannual progress report. One was for a \$1.5 million grant component of a rural water supply and sanitation project in Cambodia⁶ and another for a \$250,000 cofinancing of a PPTA for an irrigation project in Viet Nam's drought affected provinces⁷. Before the end of the year,

additional allocation was approved for a \$300,000 cofinancing of the PPTA for Yangtze River Green Ecological Corridor Comprehensive Agriculture Development Project⁸ in PRC (see Box 3). The Project supports the Yangtze River Economic Belt Development Plan by promoting rural economic development and environmental protection and rehabilitation. It is the first of the four projects under the proposed \$1.0 billion cluster investment for the Yangtze River Economic Belt.

**Box 3: People's Republic of China
PPTA: Yangtze River Green Ecological Corridor
Comprehensive Agriculture Development Project**

This proposed \$450.1 million project scheduled for approval in 2017 will be implemented in six provinces of Yunnan, Sichuan, Guizhou, Chongqing, Hubei and Hunan, with improved protection and rehabilitation of the Yangtze River as the target impact.

The project expected outputs are: (i) soils and water conservation, (ii) agriculture non-point source pollution reduction, (iii) sustainable farming systems, and (iv) strengthened institutional capacity and coordination.

**Box 4: Kiribati
South Tarawa Water Supply Project**

The Project seeks to increase access to sustainable water supply through: (i) improved water supply infrastructure, (ii) effective management of water supply delivery, and (iii) improved hygiene practices, particularly among women and girls.

15. With climate change adaptation and innovation as among WFPF's priorities, allocation was also approved for \$150,000 cofinancing of the PPTA for South Tarawa Water Supply Project⁹ in Kiribati (see Box 4). Kiribati is one of the world's most vulnerable countries to climate change and sea level rise. The government's Joint Implementation Plan for Climate Change and Disaster Risk Management has set out a holistic approach to integrate climate change and disaster risks into all sectors, requiring future water supply and sanitation investments,

including this one, to incorporate climate resilience measures and disaster risk management. Furthermore, with the government's reconfirmation of interest to pursue desalination, specifically solar-photovoltaic desalination, as an innovative technology solution to supplement Tarawa's water supply, further investigation will be undertaken during the PPTA.

16. **Sanitation received more share from 2016 allocations.** The share of sanitation from 2016 allocations stood at 63% (\$2.50 million out of \$3.95 million) which mainly accounts for the Facility's increased support for non-networked sanitation and septage management. Cumulatively, the share from total allocations has been sustained at 27% (\$24.83 million out of \$92.51 million) against the target of 20%.

17. ADB remains on track in meeting the target of increasing from 14% to 25% the share of sanitation from total water investments by 2020. As of end-2016, the share is at 22.34%. Furthermore, additional investment projects supporting non-networked sanitation and septage management materialized in 2016, raising to \$79.58 million ADB's cumulative investments, thus already meeting the target of \$75 million by 2020.

⁶ LN3433-CAM: Second Rural Water Supply and Sanitation Sector Project Additional Financing

⁷ TA9147-VIE: Water Efficiency Improvement in Drought Affected Provinces

⁸ PPTA is awaiting approval

⁹ TA9200-KIR: South Tarawa Water Supply Project

18. **Thirty seven projects completed and financially closed.** A total of 31 projects comprising 3 TAs attached to loan, 18 TAs, and 10 direct charges were completed and financially closed in 2016, freeing up \$1.293 million in savings.

19. One of those completed and financially closed was the “Development of Integrated Approach to Coastal Protection: Support to the Preparation of Urban Environment and Climate Change Adaptation Project¹⁰” in Viet Nam (see Box 5) which was financed by WFPF through a \$68,177 direct charge. This activity worked on tightening the project design in terms of (i) overall urban environment, (ii) safety against flooding, (iii) protection of water supply, sanitation, and drainage infrastructure, and (iv) improvement of water resources management. This \$100 million investment project (with water component costing \$66.67 million) is adopting climate-proof infrastructure designs and a combination of structural and nonstructural measures that promote climate change adaptation.

**Box 5: Viet Nam
Development of Integrated Approach to
Coastal Protection-Support to the
Preparation of Urban Environment and
Climate Change Adaptation Project**

This activity facilitated (i) in-depth analysis of the coastal dynamics and wave patterns along the central coast of Viet Nam and comparison of coastal morphologic phenomena of various estuaries and river mouths, (ii) assessment of actual and successful coastal protection technology, and (iii) preparation of potential application of innovative methods for coastal protection and river mouth stabilization.

The results were fully incorporated in the design of the investment project.

20. **Further improvement in disbursement performance demonstrated.** The Facility has been able to demonstrate a steady improvement in disbursement performance. As of 31 December 2016, a total of \$69.51 million has been disbursed, from \$65.94 million in June 2016, which translates to a 72% disbursement rate. Shown in Table 3 below is the Facility’s overall disbursement performance in the last three years based on committed¹¹ amount.

Table 3: 2014-2016 Summary of Disbursement Performance

| Year | Amount in USD Million | | % Disbursed |
|------|-----------------------|-----------|-------------|
| | Committed | Disbursed | |
| 2014 | 89.947 | 53.079 | 59% |
| 2015 | 91.672 | 61.764 | 67% |
| 2016 | 95.996 | 69.518 | 72% |

Embracing Innovations

21. **Water productivity measurement in irrigated agriculture.** The WFPF-supported pioneering work on water productivity measurement in irrigation projects is gaining strong buy-in. Field activities in Sri Lanka on the Mahaweli Water Security Investment Program¹² and in Viet Nam on Water Efficiency Improvement in Drought Affected Provinces Project were substantially completed in 2016 with the final reports expected within the first quarter of 2017. In Indonesia, as part of the on-going PPTA for Indonesia Irrigation Sector Project¹³, bulk of the work was also completed in 2016. The final workshop is scheduled in February 2017 to be followed by the completion of final report. Work in Pakistan under the Punjab Irrigated

¹⁰ LN3340-VIE: Urban Environment and Climate Change Adaptation Project

¹¹ Committed amount represents all projects and TAs approved by WFPF Steering Committee for allocation and by ADB management for implementation, including administration fees.

¹² LN3267/3268-SRI: Mahaweli Water Security Investment Program

¹³ TA8460-INO: Indonesia Irrigation Sector Project

Agriculture Investment Program¹⁴ has commenced in December 2016 while in India, an inception workshop is planned in January 2017 for Madhya Pradesh and Karnataka through the on-going PPTA for Madhya Pradesh Irrigation Efficiency Program¹⁵ and the Karnataka Integrated and Sustainable Water Resources Management Investment Program¹⁶, respectively subject to formal government clearance being secured.

22. Water productivity is generally defined as crop yield per cubic meter of water consumption or more popularly expressed as “crop per drop”. While most ADB financed projects target improved agriculture productivity (how many kilograms of crop produced per hectare), there is little understanding of the volume of water used to produce the crop. This is where water productivity (how many kilograms of crop produced per cubic meter of water) provides a much better measure of improved water use, or how much "crop per drop". It is therefore critical to know the status of water productivity at the start and at the end of each project. It is intended that water productivity measurement will be undertaken in all irrigation projects moving forward. This will be an important baseline indicator against which to measure investment performance in water saving.

23. **Water accounting.** Good progress has been made in water accounting through WFPF support. Water accounting for five river basins in Cambodia was substantially completed in 2016 and the final report is due for completion in early 2017. In Viet Nam, accounting has been completed for two river basins while work on the rest of the basins is expected to be completed by the end of 2017. In India, two river basins in Madhya Pradesh and one in Karnataka have been identified. Actual activities will commence as soon as formal government clearance is obtained. In Indonesia and Sri Lanka, field activities are scheduled to commence within the first quarter of 2017.

24. Water accounting provides comprehensive information on the quantum and users of water resources. These are based on a coherent and consistent methodology that quantifies hydrological processes, water storage, base flow, distribution of water to various competing sectors, the consumption of water and the benefits and services - that result from consumption and the return flow of non-consumed water.

25. ADB is adopting the Water Accounting Plus (WA+) framework jointly developed by UNESCO-IHE Institute for Water Education, International Water Management Institute (IWMI), and the Food and Agriculture Organization (FAO). This framework provides information on water storage and flows for a variety of land use systems. The framework focuses on the use of publicly accessible remote sensing data from the National Aeronautics and Space Administration and European Space Agency. These include data for precipitation, water surface areas, land use etc.

Adopting Good Practices

26. **Water and energy link.** With WFPF support, a checklist to assess energy use in irrigation and a guide on energy management in urban water utilities were prepared in 2016. Both are designed as a practical guide for ADB staff in preparing energy-efficient water projects.

27. The checklist on energy use in irrigation is a relatively simple tool that can be easily adopted to provide a rapid quantitative assessment of energy use. It was prepared alongside the on-going WFPF-cofinanced PPTA for Viet Nam’s Water Efficiency Improvement in Drought

¹⁴ LN3351/2971/2841/2300-PAK: Punjab Irrigated Agriculture Investment Program

¹⁵ TA9051-IND: Madhya Pradesh Irrigation Efficiency Program

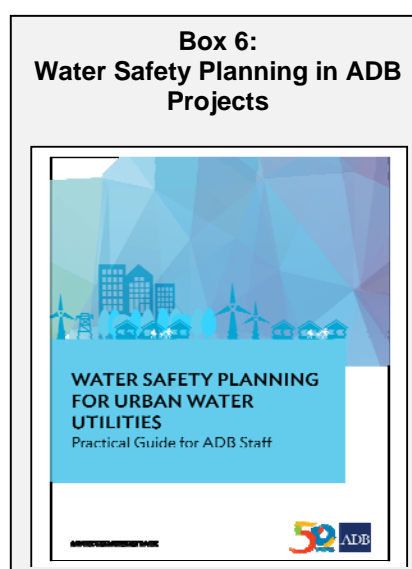
¹⁶ LN3172-IND: Karnataka Integrated and Sustainable Water Resources Management Investment Program

Affected Provinces which allowed the assessment of energy use in high value crops such as coffee, pepper, and dragon fruits. The findings highlight that main attribution of energy use in irrigated agriculture is in fertilizer application – not in groundwater pumping. To test its application in more conventional cropping patterns like rice (in South Asia), and wheat and cotton (in Central and West Asia), additional pilot testing will be carried out in 2017.

28. The practical guide on energy management in urban water utilities assists in evaluating and managing the energy-impacts of municipal water projects. Its development was informed by a field trial of the energy screening methodology in ten utilities in Viet Nam where ADB is working to improve their efficiency and level of service under the on-going \$1.0 billion MFF loan for the water sector. The completed guide will be pilot tested in 2017 under the \$150 million private sector loan for Integrated Wastewater Management Project¹⁷ in PRC approved in November 2016. The Project is financing the design, construction, and operation of, among others, wastewater treatment plants, sludge treatment plants, sewage conveyance and interception pipelines. As of this writing, WFPF support has been confirmed to support the pilot implementation of sludge dewatering and treatment under the Project.

29. **Water safety planning in water supply projects.**

WFPF is helping promote the efficient integration of water safety plan (WSP) in ADB's urban water operations through the "Practical Guide for Staff on Water Safety Planning for Urban Water Utilities" (see Box 6) produced in 2016. The Handbook helps facilitate compliance of ADB's urban water projects with global good practice objectives, principles, and practices to manage health risks to drinking-water customers. During project preparation, the handbook provides guidelines and templates, including model terms of reference for early technical assessments. During project implementation, it serves as an instrument to monitor compliance with WSP implementation. WSP is defined by the World Health Organization (WHO) as "a comprehensive risk assessment and risk management approach that encompasses all steps in water supply from catchment to consumer" to ensure safe drinking-water. It is described in the WHO's Guidelines for Drinking-water Quality as the "most effective means of consistently ensuring the safety of a drinking-water supply".



Promoting sustainability measures

30. **Design-build-operate (DBO) mode of contract for municipal water supply.** The January to June 2016 semiannual progress report presented some of ADB initiatives, with WFPF support, that address sustainability of water infrastructures. The progressive move to DBO mode of contracts in municipal water supply is one of such initiatives, targeted at improving O&M. The outputs from the WFPF-funded engagement of a DBO procurement specialist referred to in para 10 above are being packaged into a "Users' Guide and Standard Bidding Document for Design-Build-Operate Contracts" for use by ADB staff in guiding the preparation of future water supply, sanitation, and wastewater management projects.

¹⁷ LN7439/3463-PRC: Integrated Wastewater Management Project

31. **Irrigation asset management.** To support improved sustainability of irrigation infrastructure, WFPF is supporting the “Pilot testing of Aerial/Lidar and USV Survey Data for Irrigation Asset Management” in Indonesia (see Box 7). Since 2006 the government has introduced reforms to improve irrigation service delivery and O&M, including the development of irrigation asset management information system (IAMIS). To improve asset registry and related processes, newer technologies are required, such as: (i) web-based geospatial interface for the IAMIS to allow accessible and easy updating of data sets; (ii) use of tablets to replace paper forms for field verification; and (iii) use of aerial survey (Light Detection and Ranging or LIDAR, a high resolution photography) and software for interpretation and automatic digitalization of assets to ensure a systematic and quality inventory of assets, including their dimensions and conditions. Under the proposed investment program, the upgraded IAMIS will be introduced to ensure proper asset management. Aerial surveys (using LIDAR and drone technology) for irrigation assets – covering 2.5 million hectares of irrigation systems - will also be introduced to reduce costs and improve the quality of the asset registry.

**Box 7: Indonesia
Pilot testing of Aerial/Lidar and
USV Survey Data for Irrigation
Asset Management**

The key objective of the pilot activity is to confirm the approach and methodology for surveying irrigation asset using aerial technology. The results will inform the finalization of the technical specifications as basis for upscaling under the proposed Integrated Participatory Development and Management of Irrigation Program.

III. RESULTS FRAMEWORK

32. The following section provides an overview of the Facility’s progress towards the target impact, outcomes, and outputs as set out in the Facility’s revised DMF.

A. Progress Towards WFPF Impact

| WFPF Design Summary | Water Financing Program Performance Indicators | WFPF Contribution |
|--|---|-------------------|
| Impact | | |
| Water Financing Program targeted outcomes achieved | 765 million people are benefitted by ADB’s water investments: | |
| | <ul style="list-style-type: none"> • 500 million people provided access to improved water supply and sanitation | 84 million |
| | <ul style="list-style-type: none"> • 170 million people with reduced risk of flooding | 31 million |
| | <ul style="list-style-type: none"> • 95 million people with more efficient and productive irrigation and drainage services | 9 million |
| | At least 115 million people are attributable to WFPF resources | 124 million |

33. The table above shows that the Facility made excellent progress towards the achievement of target impact. The target of at least 115 million project beneficiaries attributable to WFPF resources has already been met and even exceeded at 108% or 124 million people as of end-2016.

34. The same cannot be said of the overall progress of the Water Financing Program as the achievement to date is only 50%. See Table 4 below.

Table 4: Water Financing Program Expected Beneficiaries (in Million)

| Measurement | Water Financing Program | | |
|--|-------------------------|--|------------|
| | Target (2006-2020) | Expected/ Realized from 2006-2016 Projects | % Achieved |
| Number of people with access to safe drinking water supply and improved sanitation | 500 | 254 | 51 |
| Number of people with reduced risk to floods | 170 | 68 | 40 |
| Number of people with improved and efficient irrigation and drainage services | 95 | 59 | 62 |
| Total | 765 | 381 | 50% |

35. Note that the number of beneficiaries include those already realized from projects completed to date. Out of 381 million people, 106 million has already been realized and of the 124 million people attributable to WFPF, 16 million has already been realized.

36. During the reporting period, PCRs were completed for two projects: (i) Uzbekistan's Surkhandarya Water Supply and Sanitation Project, and (ii) PRC's Hunan Flood Management Sector Project. Their poverty and gender impacts are summarized in Appendix 4. To avoid the inconvenience of having to refer back to previous reports to have a comprehensive view of poverty and gender impacts of completed projects reported upon earlier, the compilation of the summary of PCR is appended to this report (see Appendix 5) and will continue to form part of future reports.

37. The split between the beneficiaries of (i) water supply and sanitation, and (ii) urban and rural water supply and sanitation is provided in Tables 5 and 6 below.

Table 5: Expected Beneficiaries: Split Between Water Supply and Sanitation (in Million)

| Breakdown | Water Financing Program | WFPF Contribution |
|--------------|-------------------------|-------------------|
| Water Supply | 138 | 50 |
| Sanitation | 116 | 34 |
| Total | 254 | 84 |

Table 6: Expected Beneficiaries: Split Between Urban and Rural Water Supply and Sanitation (in Million)

| Breakdown | Water Financing Program | WFPF Contribution |
|-----------------------------------|-------------------------|-------------------|
| Urban Water Supply and Sanitation | 242 | 81 |
| Rural Water Supply and Sanitation | 12 | 3 |
| Total | 254 | 84 |

38. The number of beneficiaries realized to date from completed water supply and sanitation projects are 48 million and 0.5 million for the Water Financing Program and WFPF, respectively.

B. Progress Towards WFPF Outcome 1

| WFPF Design Summary | Performance Indicators | WFPF Achievement |
|---|---|-------------------------|
| Outcome 1 | By 2020 | |
| More and better water and sanitation infrastructure investments | No less than 75% of PPTAs, TAs attached to loans, and grant component of loans financed by WFPF translate to approved investments | 78% |

39. As of 2016, WFPF has financed 79 PPTAs, TAs attached to loans, and grant component of loans. Of these, 62 have already translated to approved investments which represents a 78% achievement against the target of 75%, and have resulted in a contribution of \$6.89 billion to ADB's \$21.06 billion total approved water investments for the period 2006-2016 or 33% as shown in Table 7 below.

Table 7: 2006-2016 Approved Water Investments
(in \$ Billion)

| Investment Areas | Water Financing Program | WFPF Supported |
|---|--------------------------------|-----------------------|
| Water Supply, Sanitation, and Wastewater Management | 11.40 | 4.93 |
| Irrigation and Drainage | 3.20 | 0.56 |
| Flood Management | 2.10 | 0.91 |
| Water Resources Management | 1.62 | 0.49 |
| Hydropower Generation | 2.74 | 0.00 |
| Total | 21.06 | 6.89 |

40. The breakdown of 2006-2016 approved investments in: (i) water supply and sanitation, and (ii) urban and rural water supply and sanitation is provided in Tables 8 and 9 below.

Table 8: 2006-2016 Approved Water Supply and Sanitation Investments
(in Billion)

| Breakdown | Water Financing Program | WFPF Contribution |
|------------------|--------------------------------|--------------------------|
| Water Supply | 6.74 | 3.11 |
| Sanitation | 4.66 | 1.82 |
| Total | 11.40 | 4.93 |

Table 9: 2006-2016 Approved Urban and Rural Water Supply and Sanitation Investments
(in Billion)

| Breakdown | Water Financing Program | WFPF Contribution |
|-----------------------------------|--------------------------------|--------------------------|
| Urban Water Supply and Sanitation | 11.02 | 4.85 |
| Rural Water Supply and Sanitation | 0.38 | 0.08 |
| Total | 11.40 | 4.93 |

41. Investments in sanitation are further broken down into: (i) centralized sewer, (ii) decentralized sanitation, and (iii) on-site sanitation, including septage management, as detailed in Table 10 below.

Table 10: 2006-2016 Approved Sanitation Investments
(in Billion)

| Breakdown | Water Financing Program | WFPF Contribution |
|---|-------------------------|-------------------|
| Centralized Sewer | 4.18 | 1.22 |
| Decentralized Sanitation | 0.29 | 0.05 |
| On-Site Sanitation (including septage management) | 0.17 | 0.08 |
| Total | 4.64 | 1.35 |

C. Progress Towards WFPF Outcome 2

| WFPF Design Summary | Performance Indicators | WFPF Achievement |
|---|--|------------------|
| Outcome 2 | By 2020 | |
| Improved enabling environment for water and sanitation sector interventions | No less than 75% of completed policy advisory TAs financed by WFPF are rated successful | 100% |
| | No less than 75% of completed capacity development TAs financed by WFPF are rated successful | 67% |

Results to Date

- **Policy Advisory**

42. During the reporting period, a TA completion report (TCR) was completed for a policy advisory TA (PATA) for the formulation of regulatory framework for urban water supply and sanitation in Bangladesh¹⁸. The TA built on an earlier study which recommended the setting up of an independent water economic regulatory body to improve the regulation of the sector. Bangladesh's water supply and sanitation sector requires reform measures to reduce nonrevenue water, enhance cost recovery, and increase utility autonomy to ensure sustainable service delivery. The TA resulted in a draft bill for the establishment of Water Supply and Sanitation Regulatory Commission. The summary of the TCR is provided in Appendix 6.

43. Those completed earlier dealt with: (i) water allocation, flood and drought management, reservoir utilization, water quality management, wetlands protection, ecological compensation, rural environmental protection, and wastewater reuse and sludge utilization in PRC, and (ii) hydropower generation benefit sharing in Viet Nam.

44. All thirteen PATAs completed to date were rated successful/highly successful, thus registering 100% achievement against the target of 75%. The summary of all TCRs is provided in Appendix 7.

¹⁸ TA8320-BAN: Establishing a Regulatory Framework for Urban Water Supply and Sanitation

- **Capacity Development**

45. A TCR was completed for one capacity development TA (CDTA) during the reporting period for the preparation of a publication on sustainable hydropower in Asia¹⁹ jointly financed with the Clean Energy Financing Partnership Facility, aimed at guiding the development of hydropower generation projects. The summary of the TCR is presented in Appendix 8.

46. Those completed earlier provided capacity development interventions to national sector agencies on rural water supply implementation, climate change adaptation, and project management. Others were targeted at lifting the capacities for improved performance of water utilities and river basin organizations.

47. Six of the nine capacity CDATAs completed to date were rated successful/highly successful, thus registering only 67% achievement against the target of 75%. The summary of TCRs is provided in Appendix 9.

- **Supplementary activities**

48. PATAs and CDATAs are supported by activities financed through the direct charge modality. One was completed in 2016 on building the capacity of South Asia Urban Knowledge Hub on innovative urban sanitation. The Urban K-Hub is a network of four (4) research and/or training institutions in Bangladesh, India, Nepal and Sri Lanka mandated to generate knowledge on city management based on sustainability principles. Urban sanitation is a key focus. This activity supported the development of 5-year business plan on innovative urban sanitation. The results are summarized in Appendix 10.

D. Progress Towards WFPF Outputs

| WFPF Design Summary | Performance Indicators | WFPF Achievement |
|--|--|------------------|
| Output 1 Project Support | By 2020: | |
| Fundable investment projects | At least 45 PPTAs provided WFPF support | 53 |
| Loans supported with grants | At least 20 loans provided WFPF grant support | 26 |
| Other project development and implementation support | At least 100 direct charges and other TAs support project preparation and implementation | 76 |
| Value addition | At least 20% of WFPF resources are allocated to sanitation-related projects | 27% |
| | No less than 80% of WFPF-supported investment projects are categorized as "gender-sensitive" | 77% |
| | No less than 70% of WFPF-supported investment projects are benefiting lagging areas | 68% |

¹⁹ TA8382-REG: Sustainable Hydropower in Asia Publication

| WFPP Design Summary | Performance Indicators | WFPP Achievement |
|---|--|------------------|
| | WFPP-supported projects demonstrate: | |
| | <ul style="list-style-type: none"> Increased focus on sustainable sanitation (including non-sewered sanitation and septage management) and wastewater management, including river clean-up (at least 30 projects) | 71 |
| | <ul style="list-style-type: none"> Increased investment in non-networked sanitation and septage management (cumulative total is no less than \$75 million) | \$79.58 million |
| | <ul style="list-style-type: none"> Climate change adaptation, including flood and drought and other water-related disaster risk management measures (at least 30 projects) | 44 |
| | <ul style="list-style-type: none"> Environmental protection and preservation (at least 30 projects) | 34 |
| | <ul style="list-style-type: none"> Greater involvement of civil society (at least 15 projects) | 22 |
| | <ul style="list-style-type: none"> Water use efficiency in urban water supply, or agriculture, or industry (at least 30 projects) | 27 |
| | <ul style="list-style-type: none"> Mainstreaming and embedding of IWRM (at least 30 projects) | 30 |
| | <ul style="list-style-type: none"> Enhanced participation of private sector (at least 30 projects) | 23 |
| | <ul style="list-style-type: none"> Adoption of corporate principles and business practices in water utility operation, irrigation service provision, and river basin management (at least 30 projects) | 27 |
| | <ul style="list-style-type: none"> Innovations through pilot and demonstration activities (at least 50) | 50 |
| Output 2 Policy and institutional reforms | By 2020 | |
| Nonlending assistance addressing reforms in the areas of: policy, legislation, regulation, and institutional arrangements | At least 30 TAs and direct charges advancing reform measures to improve the governance of water | 32 |
| Policy dialogues | Dialogues conducted in at least 10 countries to support formulation and/or updating of water and sanitation agenda and priorities | 15 |

| WFPF Design Summary | Performance Indicators | WFPF Achievement |
|---|--|--|
| Output 3 | | |
| Capacity and knowledge development | | |
| | By 2020 | |
| Capacity building support to key sector agencies and organizations | At least 30 TAs, direct charges, and other funding support targeted at capacity building interventions for <ul style="list-style-type: none"> • water utilities/operators, • river basin organizations, • regulatory bodies • water sector agencies (including executing and implementing agencies), • other key sector organizations | 27 |
| Support to knowledge development, knowledge dissemination, and knowledge networking | At least 30 TAs, direct charges, and other funding support that facilitate: <ul style="list-style-type: none"> • development of knowledge products and commissioning of major research and analytical work • knowledge sharing and exchange for continuing knowledge dissemination • knowledge partnerships, including support to South-South cooperation and collaboration with knowledge hubs and centers of excellence | 37 |
| Output 4 | | |
| Facility Management and Administration | | |
| Streamlined process for funding approval | Applications for TAs and Grant Component of Loans approved within 5 weeks | Average 15 working days |
| | Applications for direct charges approved within one week | Average 7 working days |
| Allocations to project support and program quality tracked | Split between project support and program quality well within the 70%-30% intended ratio | 71%-29% |
| Details on investments in water supply and sanitation projects tracked | Progress reports present: <ul style="list-style-type: none"> • split between water supply and sanitation • split between urban and rural water supply and sanitation • breakdown of sanitation investments: centralized, decentralized, on-site • number of women beneficiaries | See Table 8 See Table 9 See Table 10 See Appendices 4 and 5 |
| Timely submission of reporting requirements | Annual Report and Work Program, submitted on or before 10 th of February and Semiannual Report submitted on or before 10 th of August | Submitted within agreed deadlines |

IV. FINANCIAL STATUS

A. Partner Contributions

49. Following the continuation of the Water Financing Program to 2020, the target contribution to WFPF was increased from \$100 million to \$200 million. As 31 December 2016, however, the committed contributions remained at \$102.30 million – only half of the target - of which \$100.302 has been remitted to ADB (see Table 11 below).

Table 11: Committed Partner Contributions as of 31 December 2016 (in Million)

| Financing Partners | Amount Committed | Amount Received |
|--|---------------------|---------------------------|
| Multi-Donor Trust Fund | 52.549 | 52.549 |
| Australia | 24.209 | |
| Austria | 8.468 | |
| Norway | 4.669 | |
| Spain | 10.000 ^a | |
| Switzerland | 5.203 | |
| Netherlands Trust Fund | 34.753 | 34.753^b |
| Sanitation Financing Partnership Trust Fund | 15.000 | 13.000 |
| Total | 102.302 | 100.302 |

^a This includes the \$0.5 million used for a water expert

^b Based on promissory note

B. Resource Utilization

50. The detailed status of fund utilization and balances as tabulated by the Secretariat is shown in Table 12 below. This tabulation includes all approved allocations at the Facility level.

Table 12: Status of Fund Utilization – WFPF Secretariat Tabulation (in Million)

| Financing Partners | Resources Available | | | Allocated | | | Uncommitted Balance |
|--------------------|---------------------|-----------------|----------------|----------------------|------------------|---------------|---------------------|
| | Committed | Interest Income | Total | Projects/ Activities | Fees and Charges | Total | |
| Multidonor | 52.049 ^a | 0.721 | 52.770 | 49.185 | 2.182 | 51.367 | 1.403 |
| Netherlands | 34.753 | 0.201 | 34.954 | 32.166 | 1.373 | 33.539 | 1.415 |
| Sanitation | 15.000 | 0.037 | 15.037 | 11.159 | 0.532 | 11.691 | 3.346 |
| Total | 101.802 | 0.959 | 102.761 | 92.510 | 4.087 | 96.597 | 6.164 |

^a Net of \$0.5 million used for Spanish water expert.

51. The detailed status based on the Status of Grant Reports by Controllers Department is shown in Table 13 which only includes projects and TAs already approved by ADB management. Copies of Status of Grant Reports are provided in Appendixes 11, 12, and 13.

Table 13: Status of Fund Utilization – Based on Status of Grant Reports (in Million)

| Financing Partners | Resources Available | | | Committed | | | Uncommitted Balance |
|--------------------|---------------------|-----------------|----------------|----------------------|------------------|---------------|---------------------|
| | Committed | Interest Income | Total | Projects/ Activities | Fees and Charges | Total | |
| Multi-Donor | 52.049 | 0.721 | 52.770 | 48.885 | 2.167 | 51.052 | 1.718 |
| Netherlands | 34.753 | 0.201 | 34.954 | 32.166 | 1.373 | 33.539 | 1.415 |
| Sanitation | 15.000 | 0.037 | 15.037 | 10.886 | 0.519 | 11.405 | 3.632 |
| Total | 101.802 | 0.959 | 102.761 | 91.937 | 4.059 | 95.996 | 6.766 |

C. Disbursement

52. The overall disbursement as of end-2016 was at 72% as detailed in Table 14 below.

Table 14: Status of Fund Disbursements (in Million)

| Financing Partners | Resources Available ^a | Allocated ^b | Committed ^c | Disbursed ^d | % Disbursed | |
|--------------------|----------------------------------|------------------------|------------------------|------------------------|-------------------|-------------------|
| | | | | | Against Allocated | Against Committed |
| Multi-Donor | 52.770 | 51.367 | 51.052 | 44.332 | 86% | 87% |
| Netherlands | 34.954 | 33.539 | 33.539 | 23.653 | 70% | 70% |
| Sanitation | 15.037 | 11.691 | 11.405 | 1.533 | 13% | 13% |
| Total | 102.761 | 96.597 | 95.996 | 69.518 | 72% | 72% |

^a Includes interests and other incomes

^b Projects approved by Steering Committee for WFPF allocation, including allocation for service fees

^c Projects approved by ADB management for implementation, including services

^d Includes administration costs, fees, and other charges

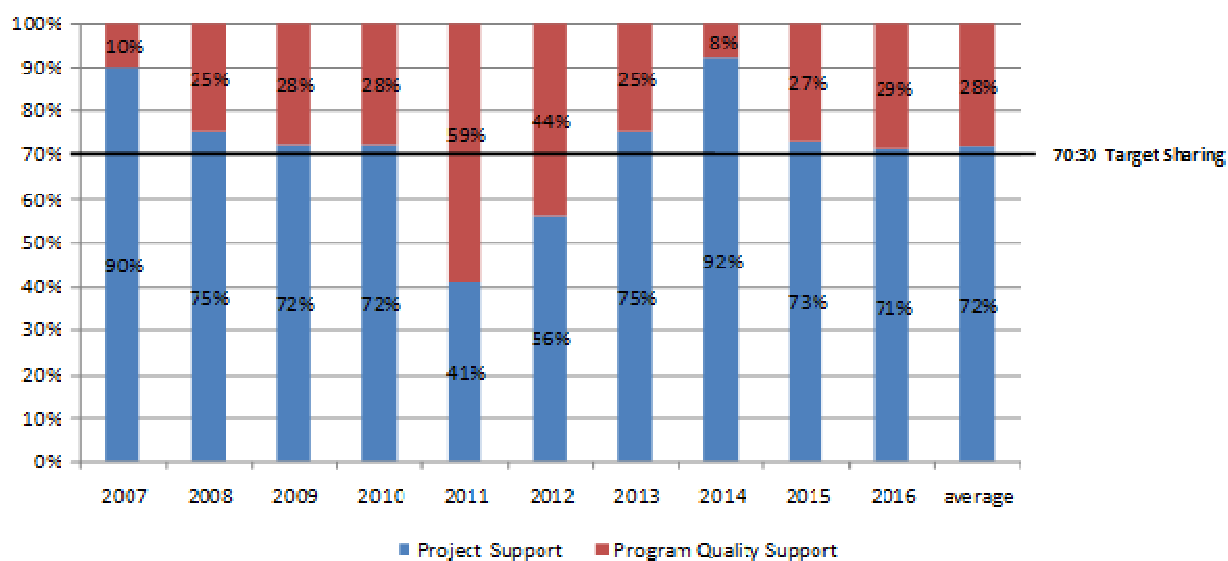
D. Resource Allocation Ratio

53. The cumulative ratio between project support and program quality remains well within the target at 71%-29% against the target of 70%-30% as summarized in Table 15 below while the overview of the annual allocation ratio is presented in Figure 1.

Table 15: Use of Funds by Window (in Million)

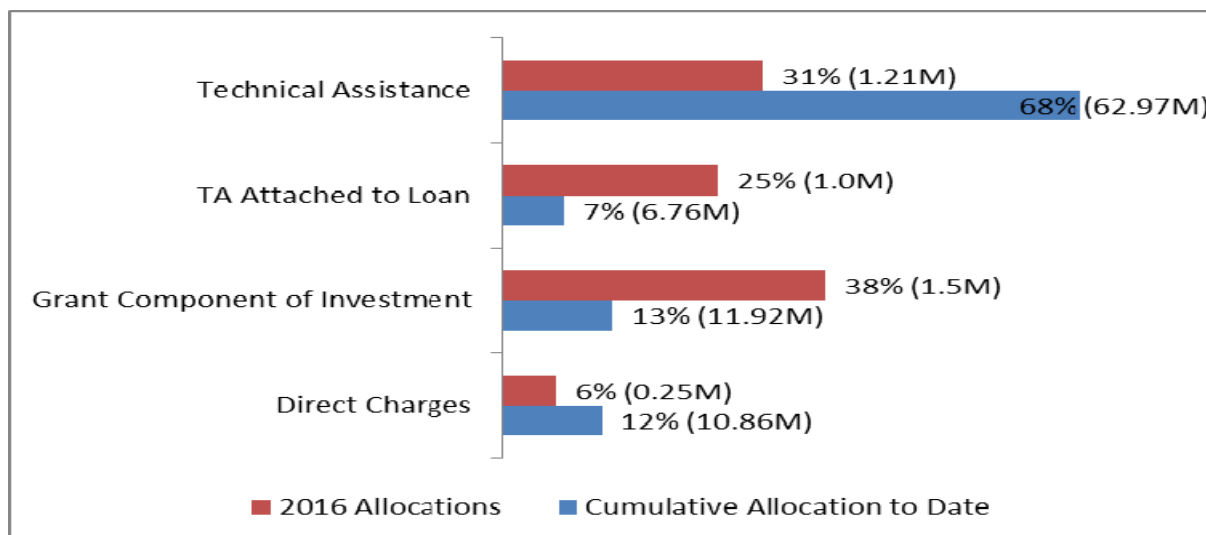
| Use of Funds | Target Ratio | 2016 Allocations | | Cumulative Allocations | |
|-----------------|--------------|------------------|-------------|------------------------|-------------|
| | | Amount | Ratio | Amount | Ratio |
| Project Support | 70% | 3.53 | 89% | 66.07 | 71% |
| Program Quality | 30% | 0.42 | 11% | 26.44 | 29% |
| Total | 100% | 3.95 | 100% | 92.51 | 100% |

Figure 1: Annual Use of Funds by Window



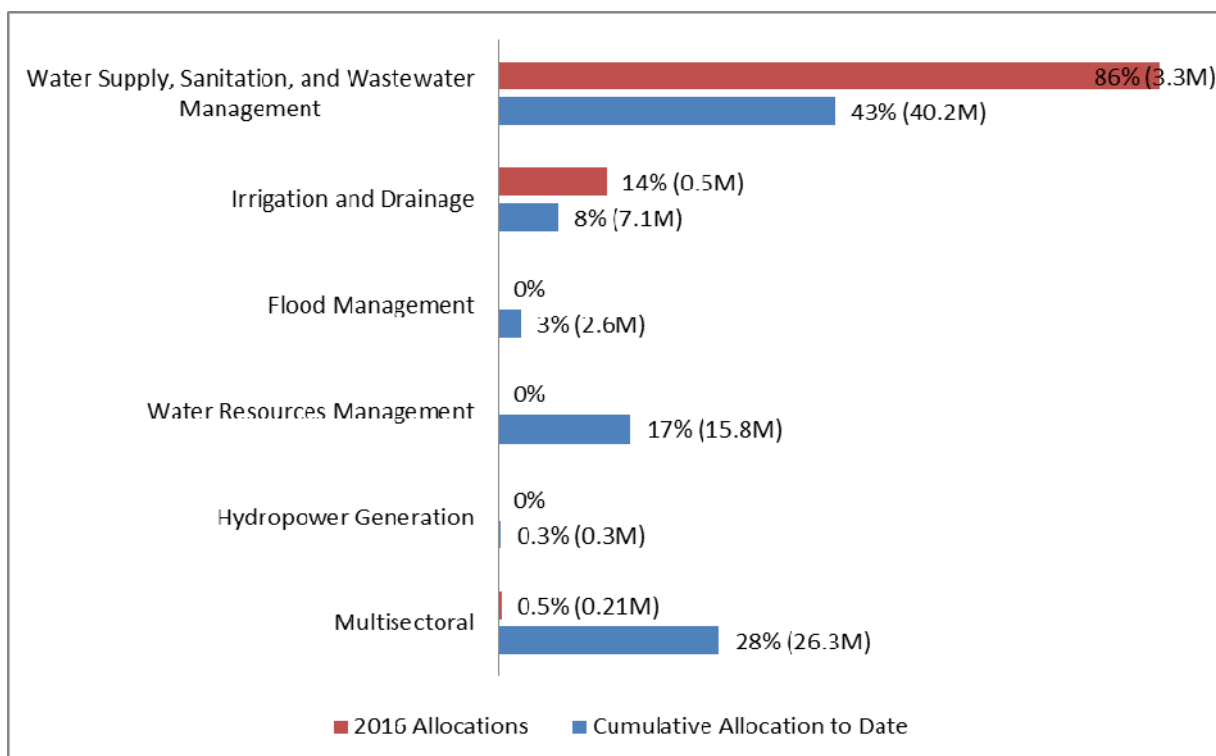
54. **Distribution of approved allocations by modality.** Grant component of investment had the highest share from 2016 allocations, followed by TA attached to loan, although TA still accounts for more than half of cumulative allocations to date. See Figure 2 below.

Figure 2: Distribution of Approved Allocations by Modality



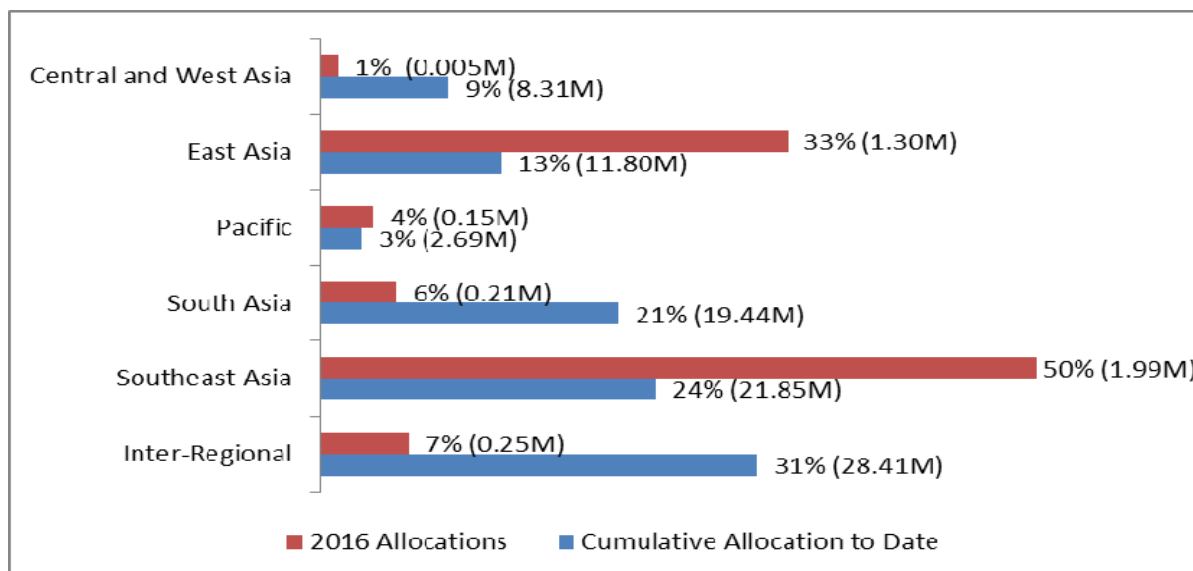
55. **Distribution of approved allocations by sub-sector.** Increased support to rural areas was demonstrated by the 2016 allocations for rural supply and sanitation, and irrigation and drainage. See Figure 3 below.

Figure 3: Distribution of Approved Allocations by Sub-Sector



56. **Distribution of approved allocations by region.** The cumulative share per region remained almost the same. The 50% share of Southeast Asia from the 2016 allocation is primarily on account of a rural water supply and sanitation project being provided grant support. See Figure 4 below.

Figure 4: Distribution of Approved Allocations by Region



IV. MANAGEMENT OF THE FACILITY

A. Water Sector Committee Evaluation of Applications

57. The evaluation of applications in 2016 by the Water Sector Committee²⁰ were carried out for eleven applications consisting of one grant component of loan, one TA attached to loan, seven TAs, and two direct charges. Evaluation continued to be carried out by circulation as has been the practice.

58. A service standard of 15 working days and 7-working days for approval of TAs and grant component of loans, and direct charges, respectively, were complied with and continued to form part of the report to ADB management as part of the MTR Action Plan.

59. **Portfolio management.** The steady improvement in disbursement performance is the result of strict monitoring of payments and closing of accounts being enforced by the Secretariat. This is further helped by closer coordination between the Controllers Department and the Secretariat and the sustained cooperation by operations departments.

60. Admittedly, disbursement of grant component of loans remains a challenge. This persistent delay warrants consideration of enhanced modalities by which WFPF-funded grant components can be implemented in a much quicker way. Considering that grant components are mostly for pilot demonstration of innovations, it is important for the results to be realized earlier to ensure synergy with the loan project where replication and scaling up should take

²⁰ Now consists of Sector Directors following the reorganization in 2015 when ADB's Communities of Practice were transformed into Sector and Thematic Groups, headed by Sector and Thematic Committees.

place. The Facility Secretariat is looking into alternative modalities allowed within the framework of WFPF. One possibility being explored is to implement the grant component as part of the project design advance. Project design advance is a new financing modality to support project preparation, particularly detailed engineering design. It provides quick-disbursing resources for project formulation and development, encompassing detailed engineering design and broader project and program preparatory work (such as feasibility studies and due diligence, safeguard, and pre-implementation work including advanced procurement actions).

VI. RELATIONSHIP WITH FINANCING PARTNERS

61. **Report Submission.** All scheduled reports and documentation requirements for submission to financing partners in 2016 were delivered based on agreed deadlines, such as: (i) January-December 2015 Annual Report, (ii) 2016 Annual Work Program, (iii) 2015 audited financial statements, (iv) March 2016 Annual Consultation Meeting Summary of Discussion, and (v) January-June 2016 Semiannual Progress Report.

62. **Communication with financing partners.** The Secretariat's communication with financing partners in 2016 was sustained particularly in the beginning of the year when revisions to the DMF were being discussed based on the recommendation from the 2015 external evaluation of the Facility.

63. **Resource mobilization.** During the reporting period, ADB fielded a mission to Europe²¹ to hold discussions with financing partners for Water and Urban Financing Partnership Facilities (FPFs) to update them on ongoing work through the FPFs and explore potentials for additional contributions. The financing partners welcomed the visit and expressed interest to see outcomes of their support to the FPFs. They advised both FPFs to develop sufficient material on the outcomes of projects supported and bring out the value addition and lessons learned for replication and scalability.

64. Discussions between the Facility Secretariat and some financing partners, notably the Netherlands and the Gates Foundation are in progress for possible replenishment of WFPF resources. The planned replenishment from Gates Foundation includes resources for secondment of experts to ADB, both at headquarters and resident missions, to assist with project implementation on the ground. Initial discussion with Australia has also been initiated.

VII. LESSONS LEARNED, EXPERIENCES GAINED, AND KEY CONSTRAINTS

Lessons and experiences

65. The operations departments highly value the support that WFPF resources provide not only in achieving the Water Financing Program targets but also in being able to test new concepts and business models, innovate, and carry out value-adding activities. Not to mention the appreciation for streamlined processes that the Facility has been recognized for.

66. As one of the pioneering FPFs, WFPF experiences and lessons learned have informed the establishment of other FPFs and trust funds. Still, WFPF continues to refine its processes, assimilating as much learnings as possible to keep the Facility relevant and responsive. Moving forward, the Facility will continue to look for value addition in terms of direct project support and will further facilitate expanded access to centers of excellence to allow ADB projects to benefit from newer thinking, emerging business models, and technological advancements.

²¹ Existing and prospective financing partners visited were: France, Sweden, Switzerland, and The Netherlands

Challenges and Key Constraints

67. Para 4 above already highlighted the need to increase ADB's investment in flood risk and environmental water management, and irrigation and drainage. Admittedly, investments to date have been skewed towards water supply, sanitation, and wastewater management. While investment in this subsector is expected to remain high in view of donor priorities that ADB needs to reckon with such as the focus on non-networked sanitation and septage management under the Sanitation Trust Fund, investments in other subsectors are expected to steadily pick up.

68. Increasing investment in rural areas to improve access to rural water supply and sanitation, as well as to irrigation and drainage has remained a challenge. However, as has been explained in previous reports with respect to water supply and sanitation projects, those targeted at small and secondary towns should be considered as contribution to rural water supply and sanitation because the profile of these towns is predominantly rural. In the same manner that the increasing number of projects that promote integrated rural-urban infrastructure development, particularly in PRC, also helps contribute to the Facility's effort to increase support to rural areas.

69. Not to be overlooked is the challenge to meet the Water Financing Program target number of beneficiaries. With only four years left to 2020, the need is urgent to design and implement projects that are targeting more people. This is unfortunately not helped by the fact that the limited balance available under the WFPF will limit its ability to support the development of more projects.

VIII. EXTERNAL FACTORS RELEVANT TO THE FACILITY

70. The Asian Water Development Outlook 2016 findings and recommendations should inform the operation of WFPF with respect to how projects that address water security can be supported. Some of the proposed interventions where WFPF can provide much value can include, but not necessarily be limited to the following:

| AWDO Recommended Interventions | Proposed WFPF Support |
|---|--|
| Recognize economic value of water | Support expansion of water accounting to cover more countries |
| | Support productivity measurements in future irrigation projects |
| | Continue promoting water use efficiency in projects including water conservation and non-revenue water reduction |
| Strengthen governance | Expand the peer-to-peer learning and twinning partnerships, e.g. WOPS |
| | Continue supporting adoption of DBO contracting modalities for improved O&M and improved irrigation asset inventory and management |
| Strengthen water and energy link and accounting for groundwater use | Support the development of energy-efficient water projects |
| | Deepen knowledge work on groundwater |
| Integrate climate change and disaster risk management | Support the preparation and implementation of projects that promote climate-resilient infrastructure |

71. The Sustainable Development Goal 6 should also guide the prioritization of projects and activities to be supported by WFPF moving forward. Projects to be supported should contribute to: (i) the development of infrastructures that will ensure universal access to drinking water supply and improved sanitation, (ii) the conservation and efficient use of water, protection of water quality, and restoration of wetlands to mitigate water scarcity, and (iii) the embedding of integrated water resources management for improved allocation of water across competing uses

IX. OVERVIEW OF 2016 ACTIVITIES

72. The overview of major activities in 2017 is summarized in Table 16 and elaborated upon in the 2017 Annual Work Program.

Table 16: Overview of Major Activities Planned for 2017

| Activity | Month |
|---|-----------------------------|
| WFPF | |
| ADB-Financing Partners Annual Consultation Meeting | 30-31 March |
| Major Analytical Work | |
| Completion of Asia Water Futures and Solutions Study | March |
| Completion of the Report on the Midterm Review of Water Operational Plan 2011-2020 | March |
| Completion of Country Water Security Assessment in PRC | June |
| Completion of Country Water Security Assessment in Mongolia | October |
| Completion of water accounting in Cambodia, India (Karnataka and Madhya Pradesh), Indonesia, Sri Lanka, and Viet Nam | Between January to December |
| Completion of water productivity assessment in India (Karnataka and Madhya Pradesh), Indonesia, Pakistan, Sri Lanka, and Viet Nam | Between January to October |
| Knowledge Sharing Events | |
| 4 th Fecal Sludge Management Conference | February |
| World Water Day | March |
| Asia-Netherlands Learning Week | June |
| Asia International Water Week | June |
| Eye on Asia Day at Stockholm World Water Week | August |
| International River Symposium | September |
| ADB-Australia Water Learning Week | November |

WATER FINANCING PARTNERSHIP FACILITY (WFPF) OVERVIEW AND GOVERNANCE STRUCTURE

OVERVIEW

1. In December 2006, the Board of Directors of the Asian Development Bank (ADB) established the Water Financing Partnership Facility (WFPF or the Facility) to provide additional financial and knowledge resources from development partners to support the implementation of ADB's Water Financing Program (WFP) to help achieve the targeted outcomes¹.

2. Water Financing Partnership Facility resources include:

- a. A multidonor trust fund;
- b. Single-donor trust funds;
- c. Framework agreements with partners for:
 - (i) Cofinancing, i.e., parallel or joint financing of lending and non-lending assistance to ADB's developing member countries (DMCs);
 - (i) Knowledge sharing activities including, inter-alia, seconding of staff, access to network, and joint publications.
 - (ii) Risk sharing, i.e., credit enhancement, performance guarantees, etc.
- d. Other forms of assistance.

3. The WFPF has two windows: (i) Project Support, equivalent to about 70% of the WFPF resources, and (ii) Program Quality Support for which about 30% of the Facility resources are allocated.

4. The WFPF's Project Support window supports demonstration projects in three key areas of the WFP and which take place through in-country work on project preparation, and implementation. The key areas are:

1. **Rural Water Service Projects** which aim to improve health and livelihoods in rural communities. Projects may include investments in water supply and sanitation, irrigation and drainage, and multiple uses of water in rural communities.
- b. **Urban Water Service Projects** to support sustained economic growth in cities, and may include investments in water supply, sanitation, and wastewater management, and environmental improvement.
- c. **Basin Water Management Projects in River Basins** to promote integrated water resources management (IWRM) and healthy rivers. They may include investments in the infrastructure and management of multifunctional water regulation and hydropower facilities developed in a basin context, flood management, and the conservation and improvement of watersheds, wetlands, and ecosystems.

5. WFPF Program Quality Support window supports projects provided to facilitate reforms and strengthen institutional and human resources capacity. They are aimed at helping ensure quality, synergy, and innovation in the implementation of the WFP.

¹ (i) 500 million people with safe drinking water supply and improved sanitation; (ii) 95 million people with more efficient and productive irrigation and drainage services, (iii) 170 million people with reduced risk to floods, and (iv) IWRM introduced in 30 river basins

6. All DMCs² are eligible for Project Support, and Program Quality Support activities may be implemented in DMCs or in other ADB member countries as appropriate. Project proposals for WFPF support should:

- a) be consistent with ADB's *Water for All* policy;
- b) contribute significantly to WFP targets³;
- c) introduce innovative solutions;
- d) adopt a participatory approach;
- e) have high demonstration value in the sector;
- f) have good potential for replication in the country and/or region; and
- g) link with CPS and results frameworks.

GOVERNANCE STRUCTURE

7. The Financing Partners and ADB jointly steer the operation of WFPF and meet annually to review progress, administration matters, Annual Work Programs, and strategic directions of the Facility.

8. The WFPF Steering Committee provides strategic direction for WFPF. The Steering Committee is the designated authority for approving the allocation of WFPF resources for projects. It consists of: Chair - Director General, Sustainable Development and Climate Change Department (SDCC); and Members - Director Generals of user departments (UDs).

9. The ADB Water Sector Committee reviews and recommends project proposals for assistance from WFPF, and advises the Steering Committee on policy and procedural recommendations regarding WFPF operations.

10. The Senior Director, Sector Advisory Service Division (SDAS) in SDCC acts as the Facility Manager for WFPF and oversees the day to day operations, monitoring and evaluation, and reporting of WFPF, with assistance from a team of consultants, with technical and administrative expertise, serving in a management unit. The Facility Manager serves as the secretariat for WFPF operations, prepares semi-annual progress reports and annual reports and annual work programs for WFPF and serves as the focal point for WFPF partners for technical matters.

11. The Office of Cofinancing Operations (OCO) facilitates contributions to the WFPF and acts as the official channel of communication for financial issues between ADB and WFPF partners. OCO also leads negotiations and discussions with such partners on procedural agreements for contributions and framework agreements, where applicable.

12. The organization structure for WFPF governance is shown in Table A1-1.

² The Australian WFPF contribution (through multidonor trust fund) has no country restrictions, but prioritizes projects to demonstrate that IWRM investments contribute to sustainable economic growth, especially in Southeast Asia and the Pacific. The Austrian WFPF contribution (through multidonor trust fund) has no country restrictions, but prioritizes support for Central Asian Republics and South Caucasus (Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan, and Uzbekistan). The Swiss WFPF contribution (through multidonor trust fund) has no country restrictions, but prioritizes support for food activities in the Mekong Region.

³ Through project implementation or through reforms or capacity development.

Table A1-1: Water Financing Partnership Facility Governance Structure

| Party | Responsibilities |
|---|--|
| Financing Partners | |
| Members: WFPF contributors | <ul style="list-style-type: none"> • Provide strategic direction to WFPF • Meet with ADB for Annual Consultation • Review progress and administration and Annual Work Program |
| WFPF Steering Committee | |
| Chair: DG, SDCC Members: DGs of User Departments (UDs) | <ul style="list-style-type: none"> • Provide strategic direction to WFPF • Approve WFPF policy and procedures • Approves allocation of funds to applications for TAs and grant components of investments |
| Water Sector Committee | |
| Chair: Director, EARD Members: Sector Directors | <ul style="list-style-type: none"> • Review and endorse for approval by Steering Committee applications for TAs and grant component of loans • Advise the Steering Committee on strategic direction policy and procedures of WFPF to support WFP implementation • Approve, on no-objection basis, applications for direct charges • Provide strategic direction on ADB's water operations |
| Facility Manager and Secretariat | |
| Manager: Senior Director, SDSC Secretariat | <ul style="list-style-type: none"> • Serve as Secretariat and oversee WFPF day-to-day operations • Oversee review process for applications • Review applications for compliance with Implementation Guidelines for use of funds and eligibility criteria • Prepare Annual Work Program and progress reports • Serve as focal point for WFPF partners for technical matters • Approve applications for direct charges |
| Office of Cofinancing | |
| Contact: Designated by Head, OCO | <ul style="list-style-type: none"> • Facilitate coordination with financing partners • Communicate on financial issues among the partners • Lead negotiations with partners on financial and procedural agreements for WFPF contributions and framework agreements |

**WATER FINANCING PARTNERSHIP FACILITY DESIGN AND MONITORING FRAMEWORK
(As Revised in January 2016)**

| WFPF Design Summary | Performance Targets/Indicators | Data Sources/Reporting Mechanisms | Assumptions and Risks |
|---|---|--|---|
| <p>Impact</p> <p>Water Financing Program targeted outcomes achieved</p> | <p>By 2020:</p> <p>765 million people are benefitted by ADB's water and sanitation investments:</p> <ul style="list-style-type: none"> • 500 million people provided access to improved water supply and sanitation • 95 million people with more efficient and productive irrigation and drainage services • 170 million people with reduced risk of flooding • IWRM introduced in 30 river basins <p>At least 115 million people targeted to benefit from ADB's water projects are attributable to WFPF resources</p> | <p>Water Financing Program reports, project documents, project completion reports</p> | <p>Assumptions</p> <ul style="list-style-type: none"> • Governments are committed to prioritizing water investments • Strong buy-in from governments on the priority thrusts promoted under the Water Operational Plan 2011-2020 <p>Risk</p> <ul style="list-style-type: none"> • Appropriate investments are not prioritized by governments |
| <p>Outcomes</p> <ul style="list-style-type: none"> • More and better water and sanitation infrastructure investments • Improved enabling environment for water and sanitation sector | <p>By 2020</p> <p>No less than 75% of PPTAs, TAs attached to loans, and grant component of loans financed by WFPF translate to approved investment projects</p> <p>No less than 75% of completed policy advisory TAs financed by WFPF are rated successful¹</p> | <p>PPTA reports, project/ loan documents, ADB lending reports, WFPF reports, WFPF application documents</p> <p>TA Completion Reports</p> | <p>Assumption</p> <ul style="list-style-type: none"> • Expected contributions from financing partners are received <p>Risk</p> <ul style="list-style-type: none"> • WFPF resources are not replenished • Further reduction in ADB's own TA |

¹ A TCR rating of "successful" reflects the government's favorable actions on the TA findings and recommendations which could include, among others, agreement to: (i) promulgate a new policy or guidelines or revise an existing one, (ii) review existing legislation, pass a new law, or amend an existing one, (iii) define or re-define institutional arrangements, and (iv) other actions that demonstrate commitment to implement reform measures

| WFPF Design Summary | Performance Targets/Indicators | Data Sources/Reporting Mechanisms | Assumptions and Risks |
|---|--|--|--|
| | No less than 75% of completed capacity development TAs financed by WFPF are rated successful ² | | resources |
| Output 1 Project Support <ul style="list-style-type: none"> • Fundable investment projects • Loans supported with grants • Other project development and implementation support • Value addition | <p>About 70% of the WFPF resources allocated to this component</p> <p>By 2020</p> <ul style="list-style-type: none"> At least 45 PPTAs provided WFPF support At least 20 loans provided WFPF grant support At least 100 direct charges and other TAs support project preparation and implementation At least 20% of WFPF resources are allocated to sanitation-related projects and activities No less than 80% of WFPF-supported investment projects are categorized as “gender-sensitive” No less than 70% of WFPF-supported investment projects³ are benefiting lagging areas WFPF-supported projects demonstrate: <ul style="list-style-type: none"> • Increased focus on sustainable sanitation (including non-sewered sanitation and septage management) and wastewater management, including river clean-up (at least 30 projects) | <p>Published ADB data on public and private sector investments and technical assistance, loan/project documents</p> <p>WFPF reports, direct charge applications</p> <p>Project documents, WFPF reports</p> <p>Project documents</p> <p>Project documents</p> | <p>Assumptions</p> <ul style="list-style-type: none"> • Internal resources allocated to deliver increased water and sanitation program • Water Financing Program targets and Water Operational Plan priority thrusts are supported by DMCs • WFPF contributions are replenished timely to sustain support to Water Financing Program implementation <p>Risk</p> <ul style="list-style-type: none"> • Low DMC demand for increased investment in the sector |

² A TCR rating of “successful” reflects the achievement of the TA objective of supporting enhancement of government/organizational capacity

³ Will only cover projects approved from 2014 onwards as the Policy Paper and Action Plan for the Midterm Review of Strategy 2020 where lagging area was added as a target took effect only that year

| WFPF Design Summary | Performance Targets/Indicators | Data Sources/Reporting Mechanisms | Assumptions and Risks |
|---|---|--------------------------------------|--------------------------|
| <p>Output 2 Policy and institutional reforms</p> | <ul style="list-style-type: none"> • Increased investment in non-networked sanitation and septage management (cumulative total is no less than \$75 million) • Climate change adaptation, including flood and drought and other water-related disaster risk management measures (at least 30 projects) • Environmental protection and preservation (at least 30 projects) • Greater involvement of civil society (at least 15 projects) • Water use efficiency in urban water supply, or agriculture, or industry (at least 30 projects) • Mainstreaming and embedding of IWRM (at least 30 projects) • Enhanced participation of private sector (at least 30 projects) • Adoption of corporate principles and business practices in water utility operation, irrigation service provision, and river basin management (at least 30 projects) • Innovations through pilot and demonstration activities or PDAs (at least 50) <p>About 15% of the WFPF resources allocated to this component</p> | | |

| WFPF Design Summary | Performance Targets/Indicators | Data Sources/Reporting Mechanisms | Assumptions and Risks |
|---|--|---|---|
| <ul style="list-style-type: none"> • Nonlending assistance addressing reforms in the areas of: policy, legislation, regulation, and institutional arrangements • Policy dialogues <p>Output 3 Capacity and knowledge development</p> <ul style="list-style-type: none"> • Capacity building support to key sector agencies and organizations • Support to knowledge development, knowledge dissemination, and knowledge networking | <p>By 2020</p> <p>At least 30 TAs and direct charges advancing reform measures⁴ to improve the governance of water as a resource that must be managed sustainably and as a service that must be delivered efficiently</p> <p>Dialogues conducted in at least ten countries to support formulation and/or updating of water and sanitation agenda and priorities</p> <p>About 15% of the WFPF resources allocated to this component</p> <p>By 2020</p> <p>At least 30 TAs, direct charges, and other funding support targeted at capacity building interventions for</p> <ul style="list-style-type: none"> • water utilities/operators, • river basin organizations, • regulatory bodies • water sector agencies (including executing and implementing agencies), • other key sector organizations <p>At least 30 TAs, direct charges, and other funding support that facilitate:</p> <ul style="list-style-type: none"> • development of knowledge products and | <p>TA Reports, Approved WFPF applications</p> <p>WFPF reports, back-to-office reports</p> <p>TA Reports, WFPF reports</p> <p>TA Reports, WFPF reports</p> <p>WFPF reports</p> | <p>Assumption</p> <ul style="list-style-type: none"> • There is buy-in from government for implementing reform measures <p>Risks</p> <ul style="list-style-type: none"> • Low appetite for reforms • Water sector is not high on DMC development agenda <p>Assumptions</p> <ul style="list-style-type: none"> • There is demand for long-term capacity development program |

⁴ Reform measures may include, but not necessarily limited to: (i) issuance of new policy/framework/regulation or enactment of new law/legislation, (ii) strengthening of existing policy or amendment of existing legislation, (iii) issuance or enhancement of implementing/operating guidelines, (iv) development of strategy and action plan, (v) definition or re-definition of institutional arrangements, and (vi) other reform measures addressing priority areas such as: water allocation, groundwater abstraction, water pollution, water pricing, tariff regulation, cost recovery, subsidy, etc.

| WFPF Design Summary | Performance Targets/Indicators | Data Sources/Reporting Mechanisms | Assumptions and Risks |
|--|--|---|--|
| <p>Output 4 Facility Management and Administration</p> <ul style="list-style-type: none"> • Streamlined process for funding approval • Allocations to project support and program quality tracked • Details on investments in water supply and sanitation projects tracked | <p>commissioning of major research and analytical work for improved and updated sector knowledge base</p> <ul style="list-style-type: none"> • knowledge sharing and exchange for continuing dissemination of knowledge and information, particularly good practices and innovations • knowledge partnerships, including support to South-South cooperation and collaboration with knowledge hubs and centers of excellence <p>Applications for TAs and Grant Component of Loans approved within 5 weeks upon receipt of bi-monthly applications that meet qualification criteria</p> <p>Applications for direct charges approved within one week upon receipt of applications that meet qualification criteria</p> <p>Split between project support and program quality well within the intended ratio of 70%-30%</p> <p>Progress reports present: (i) split between urban and rural water supply, (ii) split between water supply and sanitation, (iii) breakdown of sanitation investments: centralized, decentralized, on-site, and (iv) number of women beneficiaries⁵</p> | <p>WFPF reports</p> <p>WFPF reports</p> <p>WFPF reports</p> <p>WFPF reports, Project Completion Reports</p> | <ul style="list-style-type: none"> • Recognition by government and sector institutions of the value of knowledge and knowledge sharing in moving the sector agenda forward <p>Assumption</p> <ul style="list-style-type: none"> • ADB existing processes are able to be modified to allow accelerated/ streamlined processes being pushed by WFPF |

⁵ Based on completed projects with project completion reports (PCRs)

| WFPP Design Summary | Performance Targets/Indicators | Data Sources/Reporting Mechanisms | Assumptions and Risks |
|---|---|--|---|
| <ul style="list-style-type: none"> • Timely submission of reporting requirements | Annual Report, along with Annual Work Program, submitted to financing partners on or before 10 th of February and Semiannual Progress Report submitted on or before 10 th of August | WFPP reports | |
| Activities Investment <ul style="list-style-type: none"> • Sustain ADB's investments at \$2.0-\$2.5 billion annually • Mobilize private finance Reforms <ul style="list-style-type: none"> • Intensify support for national water sector reforms • Support development of regulatory frameworks • Extend support for IWRM into the targeted 25 basins Capacity Development <ul style="list-style-type: none"> • Strengthen institutional capacity • Enhance knowledge products and analytical work • Support knowledge sharing and networking • Strengthen knowledge partnerships | | | Inputs: <ul style="list-style-type: none"> • ADB TA resources, ADB Lending, ADB staff resources • WFPP: \$102 million • Government resources • Private sector resources • NGO resources |

Water Financing Partnership Facility
January–December 2016 Approved Allocations

| No. | Country | Project Name | Source of Fund | Amount |
|--|-------------------|---|------------------------|------------------|
| Central and West Asia Region | | | | |
| 1 | Kyrgyz Republic | CDTA: Water Supply and Sanitation Strategy | Multidonor Trust Fund | 49,981 |
| Sub-Total Central and West Asia | | | | 49,981 |
| East Asia Region | | | | |
| 2 | Mongolia | TA Attached to Loan: Management and Reuse of Sewage Sludge from On-Site Sanitation Facilities and Decentralized Wastewater Treatment Plants (Loan: Southeast Gobi Urban and Border Town Development Project Additional Financing) | Sanitation Trust Fund | 1,000,000 |
| 3 | PRC | PPTA: Yangtze River Green Ecological Corridor Comprehensive Agriculture Development | Multidonor Trust Fund | 300,000 |
| Sub-Total East Asia | | | | 1,300,000 |
| Pacific Region | | | | |
| 4 | Kiribati | PPTA: South Tarawa Water Sector Development Program | Multidonor Trust Fund | 150,000 |
| Sub-Total Pacific | | | | 150,000 |
| South Asia Region | | | | |
| 5 | Bangladesh | PPTA: City Regional Economic Development Investment Program | Netherlands Trust Fund | 212,500 |
| Sub-Total South Asia | | | | 212,500 |
| Southeast Asia Region | | | | |
| 6 | Cambodia | Grant Component of Loan: Second Rural Water Supply and Sanitation Sector Project Additional Financing | Sanitation Trust Fund | 1,500,000 |
| 7 | Myanmar | PPTA: Third GMS Corridor Towns Development Project | Netherlands Trust Fund | 125,000 |
| 8 | Viet Nam | PPTA: Water Efficiency Improvement in Drought Affected Provinces | Netherlands Trust Fund | 250,000 |
| 9 | Viet Nam | CDTA: Improving Operational Performance of the Water Supply Sector | Netherlands Trust Fund | 120,000 |
| Sub-Total Southeast Asia | | | | 1,995,000 |
| Inter-Regional | | | | |
| 10 | Various Countries | Support to WFPF Operation (Engagement of Facility Account Analyst) | Multidonor Trust Fund | 21,312 |
| 11 | Various Countries | WOPs (Water Operators Partnerships) Program Bridge Financing | Multidonor Trust Fund | 225,000 |
| Sub-Total Inter-Regional | | | | 246,312 |
| Total January-December 2016 Allocations | | | | 3,953,793 |

2016 PROJECT COMPLETION REPORTS (PCRs)

SUMMARY INFORMATION ON PROJECT BENEFICIARIES

A. UZBEKISTAN: SURKHANDARYA WATER SUPPLY AND SANITATION PROJECT (LN2466)

Poverty Impact

All project interventions had a positive impact on the poor directly and indirectly. The project provided equitable access to safe and reliable water supply to urban and rural communities and vulnerable groups. The rehabilitated and newly constructed infrastructure saves on cost and time for purchasing water. These savings are significant amounting to as much as around 30% of family monthly incomes in rural areas. The poor comprised 32% of the 340,000 project beneficiaries. The benefits to the poor include reduced drudgery, improved health, and reduced expenditure on health care.

The health benefits from the provision of safe water supply are maximized as people become more knowledgeable and better aware of health and hygiene issues. A survey conducted for 42 schools revealed that waterborne infections in 2014 dropped by about 70% per 1,000 children under 14 years after the project. After project completion, the vodokanals estimated that waterborne diseases in the subproject areas were likely to drop to 15,000 persons per year compared to 40,000 persons per year before the project. Annual medical costs have decreased from \$15 per person before the project to \$5.90 per person after the project.

Gender Inclusiveness

The project was approved before the introduction of ADB's gender classification system. However it was categorized with a gender equity theme as all gender requirements were met during project implementation and a project-specific gender action plan (GAP) was prepared.

The Project's design and monitoring framework incorporated gender targets from the GAP under the outputs as summarized below:

| Project Outputs | Appraisal Target | Project Achievements |
|--|--|---|
| Safe, reliable, and sustainable water supply and sanitation services and improved community hygiene in participating urban centers of Surkhandarya | Each customer care unit has a gender focal point to receive and address women's complaints | Each customer care unit established has a gender focal point |
| Innovative hygiene promotion activities in school communities in project areas | Hygiene promotion activities are carried out in all schools in project areas; at least 5 women are trained in each makhalla in the project areas | 1,145 people were trained of which 879 were women |
| Study tours to places with good practice examples | At least 20% of participants in the training activities and study tours are women | The participation of women in training activities and study tours was 32%, on average |

With the provision of safe and reliable water supply, and improved sanitation and through the promotion of good hygiene behavior, the project benefited both men and women. Women experienced greater benefits in terms of time savings, reduced drudgery, and improved family health. The achievement of major targets in the GOP is summarized below:

| Activities | Indicators and Targets | Achievement at Completion |
|--|--|---|
| <i>Strengthening Sector Strategy and Management</i> | | |
| Ensure women are represented in workshops to prepare sector strategy, roadmap and investment plan | At least 30% of participants in consultative workshops are women professionals/leaders | 50% of participants in consultative workshops are women leaders |
| <i>Water Supply Development</i> | | |
| Include women as members of the consumer representative groups to be formed in subproject areas | At least 30% of consumer group members are women | 68% of 153 members of consumer and project support groups in all subproject areas are women |
| Ensure women are represented and participate during design and construction stage consultations and decision-making processes and structures | At least 30% of women in public meetings on water sector development | More than 50% of women in public meetings. 40% of suggestions on the project area are made by women |
| Hygiene promotion activities, including provision of simple hygiene materials (soap, cleaning fluids, etc.) that target girls and their caregivers (mothers, etc.) | Evidence of hygiene materials targeting girls | Simple hygiene means are provided for 41 trainings and 3 seminars |
| | Hygiene products provided to schools and makhallas during hygiene training | Soap, cleaning fluids and other supplies were provided during trainings |
| Ensure women are represented in hygiene promotion teams to carry out activities in school | 30% of members of hygiene promotion teams are women | 68% of members of hygiene promotion teams are women |
| Training on water handling, hygiene, and sanitation carried out for selected schools (mixed groups) and makhallas in a form easily accessible to homebound women in selected pilot areas | >10 relevant training materials developed and distributed | Booklets covering 4 themes and posters covering 5 themes, methodical aids, program of trainings in local languages |
| | >50 trained pupils by gender in each school in the project areas | 181 teachers area trained in pilot schools and they trained pupils by gender in established sanitation and hygiene corners. 129 (71.3%) of trained teachers are women |
| | At least 5 women trained in each makhalla in the project areas | 632 (80%) of 791 persons trained in each of 48 makhallas are women |
| <i>Capacity Development for Service Delivery</i> | | |
| Ensure women participate in training activities for consumer | At least 30% of participants in community level training | 30% of participants are women |

| | | |
|--|--|--|
| representative groups, in households and teachers | activities are women | |
| Ensure women are represented and participate in developing customer contracts between vodokanal and the public | At least 30% of participants in consultation groups are women | 30% of participants are women |
| Gender sensitivity training carried out for vodokanal, project implementation unit (PIU), and project management unit (PMU) staff in mixed-gender groups | Training data/reporting | 4 trainings for vodokanal, PIU and PMU staff in mixed-gender groups in 2010-2012 |
| Ensure women are represented and participate in performance monitoring reporting and workshops | At least 30% of participants in performance monitoring workshops are women | 30%-53% participants are women |

B. PRC: HUNAN FLOOD MANAGEMENT SECTOR PROJECT (LN2244)

Poverty Impact

The project had significant impacts on poverty reduction through (i) reduced flood risks for about 16 million beneficiaries in the project areas, including poor and vulnerable people; (ii) improved living conditions for affected people through compensation and rehabilitation; and (iii) increased income and employment opportunities, particularly for the poor. Socio-economic conditions improved rapidly in the project areas with industrial and commercial areas growing from 522,569 in 2006 to 750,950 in 2015. The incidence of urban poverty in the 35 subproject areas and counties declined from a range of 1.1%-12.7% in 2003 to 0.6%-10.9% in 2013 while incidence of rural poverty in the same areas also declined from a range of 1.3%-26.6% in 2003 to 1.1%-23.4% 2013.

By 2015, increase in land value was at an average of 65% from 2005 for commercial and industrial purposes.

Nine of the 35 subprojects were in the western region where ethnic minorities comprise a large proportion of the population. Ethnic minorities were significant beneficiaries of the subprojects. An ethnic minority development plan was prepared for the project which aimed to mitigate negative impacts of the subprojects. The completed subprojects benefited about 0.24 million members of ethnic minorities who, despite delays in project implementation appreciated the improvements in flood protection.

Gender Inclusiveness

The gender category of this project is Category III or “some gender elements” for which the preparation of Gender Action Plan is not required.

Ethnic minority women played important roles in household production in the project areas that involved both cultivation and non-farm work. Women paid more interest to this project than men. They played an active role during the resettlement activities, such as the negotiations over the

locations and modes of housing resettlement. About 50% of those who attended the various relocation discussion meetings and consultative conferences were women. Their suggestions, and demands on solving problems related to economic rehabilitation, the demolition of old houses, and moving and building of new houses were fully attended to by the government to ensure a fair distribution of the project benefits to women. The city and local county governments conducted skills training for poor rural women once or twice a year during subproject implementation.

Local women's federations provided microcredit services to rural ethnic minority women for income generating activities. For example, 1,520 of these women received microloans in 38 townships of Sangzhi County.

2015 PROJECT COMPLETION REPORTS (PCRs)

SUMMARY INFORMATION ON PROJECT BENEFICIARIES

A. LAO: NORTHERN AND CENTRAL REGIONS WATER SUPPLY AND SANITATION SECTOR PROJECT (GRANTS 0016/0205)

Poverty Impact

The Project addressed poverty by providing essential services and sustaining the water supply service with affordable tariffs. Water supply and sanitation coverage of poor households is 100% in all 12 subproject towns. A total of 751 poor households in 12 subproject towns were provided free water connection and free materials for constructing their sanitation facilities. The progressive block tariff structure introduced under the Project has incorporated lifeline block which enables poor families to sustainably access 50-60 liters per capita per day at a cost that is no more than 4% of their household income.

Guided by the provisions of Ethnic Groups Development Framework, all ethnic groups received equitable assistance under provisions of the land acquisition of compensation plans. A total of 3,156 ethnic minority households, representing about 95% of all ethnic households in the 12 subproject towns were connected to the water supply system. The remaining ethnic households will be connected progressively.

The targets set in the Projects results framework and the actual achievements are summarized below.

| Appraisal Performance Indicators | Project Achievements |
|---|---|
| Poor villagers have fair access to piped water supply and water bill is no more than 5% of household income (initial project) | All poor villagers in 12 projects towns connected to safe water supply and bills are less than 5% of household income |
| Pro-poor sanitation improvements are successfully implemented in core villages (initial project) | By 2012, sanitation grants were provided to 751 (100%) poor households |

Gender Inclusiveness

A gender action plan guided the implementation of project activities and all targets set were met. The project achieved a high level of women participation and representation, as well as job creation for women. The successful gender equality results were due to sound design, implementation and monitoring of the gender action plan.

The Project successfully integrated gender equality into all aspects of management, administration, and operations at the national, provincial, and district levels. Institutional change was reported, including improved capacity of the Ministry of Public Works and Transport staff in gender-sensitive planning and budgeting and further underscored by the preparation by the Ministry of a gender strategy for 2014-2025 that establishes clear gender indicators and the timeline for achieving those.

Implementation of the project's gender action plan (GAP) was satisfactory. All 11 gender-related performance indicators in the GAP were achieved or exceeded. The project overachieved the target of 30% of new jobs generated in the community, as 42% (438 out of 1,041) were

reserved for qualified women. There was a high level of women's participation in the project activities, as 9,532 women (44% of 21,664 participants) participated in village environmental improvement (VEI) consultation workshops, and other assessments, surveys, and workshops; 4 women (20% of 20) served in the Water Supply Regulatory Committee; 2 National Committee for Advancement of Women (NCAW-Lao) staff served on the national steering committee; and 19 out of 173 staff members for the project implementation team were Lao Women's Union members. Men and women had equal access to employment. The project consulted with women before the designs of drainage works, and public sanitation facilities.

The Project achievements are summarized below with respect to how the Project has facilitated access to improved water supply.

| Gender Action Plan Target | Accomplishments |
|--|--|
| Monitoring project benefits and impacts by collecting gender-disaggregated data where the indicators provide meaningful results. Records of participation and awareness training will also be disaggregated. | Sex disaggregated data for participation in trainings and other activities were collected and reported on. For households benefitting from improved water connection, data shows that: <ul style="list-style-type: none"> • In phases 1 and 2, of 630 female-headed households in subproject towns, 557 (88%) were connected to the water supply system • In Phase 3, of 233 female-headed households in subproject towns, 228 (98%) were connected to the water supply system • A total of 19,366 connections were made, of which 18,173 were to residential households and 1,193 to non-residential properties. |

The overall Project achievements with regard to access to improved water supply and sanitation are summarized below

| Targets | Accomplishments |
|---|---|
| 84,000 people provided piped water supply in 12 target towns (initial project) | 96,036 people with access to piped water supply in 12 project towns in 2013 |
| Sanitation coverage in target communities at 65% and 80% of population by 2010 and 2012, respectively (initial project) | 99% of the population in the target areas with access to sanitation in 2013 (99,000 people) |
| 90% of 24,000 residents of 4 project towns (21,600) with piped water supply by 2012 (supplemental project) | 29,360 residents had access to piped water supply in 2012 |
| 80% of 24,000 residents (19,200) have access to improved sanitation by 2012 (supplemental project) | 24,820 residents with improved sanitation in 2012 |
| 84,000 people provided piped water supply in 12 target towns (initial project) | 96,036 people with access to piped water supply in 12 project towns in 2013 |

**SUMMARY OF POLICY ADVISORY TA COMPLETION REPORTS
COMPLETED IN JULY-DECEMBER 2016**

| No. | Country | Title and Summary of Results | Rating |
|-----|------------|---|------------|
| 1 | Bangladesh | <p>TA8320: Establishing a Regulatory Framework for Urban Water Supply and Sanitation. Bangladesh's water supply and sanitation (WSS) sector is characterized by the need for reducing nonrevenue water (NRW), enhancing cost recovery by rationalizing tariffs, increasing utility autonomy, and making operations more efficient, thereby ensuring better service delivery. Improved regulation of the sector is necessary to bring in efficiency, transparency, accountability, autonomy, and therefore, an overall improvement in the way the sector is managed. This technical assistance was designed to build on the earlier study which recommended to establish a regulatory framework in two stages, by first creating a water cell in the PSU, and then an independent water economic regulatory commission (WERC). To make the water cell fully functional with clear mandates, this TA was approved to design the WERC and support an important government reform agenda of improving the legal and regulatory framework of the urban water subsector.</p> <p>The TA achieved the intended outputs as follows:</p> <p><u>Output 1: Appropriate rules and standards for regulating and monitoring finalized.</u> The following regulations and methodologies were prepared: (i) financial management regulation as part of the regulatory accounting guidelines, (ii) service standards and key performance indicators included in performance monitoring templates, (iii) tariff adjustment methodology and concept note for formal validation of projected expenses, and (iv) customer service regulations. As the enactment of the WSSRC Bill is a pre-condition to promulgation and enforcement of the regulations, the water cell (PSU) pilot tested them under the existing legal framework to check practicability and usefulness.</p> <p><u>Output 2: Performance of water utilities monitored by the water cell.</u> A performance monitoring report of utilities was prepared.</p> <p><u>Output 3: Preparation initiated for establishing a WERC.</u> The draft WSSRC Bill including a road map to establish the WSSRC was prepared.</p> <p><u>Output 4: Capacity for regulatory monitoring strengthened.</u> Twenty-two key officials (target: 15)</p> | Successful |

| | | | |
|--|--|---|--|
| | | <p>participated in a 3-day training program and an exposure visit was conducted for key officials to the Philippines (Manila) and Malaysia (Kuala Lumpur) to learn the regulatory framework in place in these countries. Roadmaps for appointing staff including job descriptions were prepared for both the water cell and WSSRC. However, their implementation depends on the enactment of the WSSRC Bill and the willingness of PSU and/or Local Government Division (LGD) in the Ministry of Local Government, Rural Development and Cooperatives to appoint staff as per the interim arrangements.</p> <p>The TA is rated successful as it achieved the outputs and outcome targets. The regulatory framework design addressed stakeholder concerns in a comprehensive manner and led to the inclusion of innovative components. The TA addressed LGD's ambitious request to draft the WSSRC Bill instead of only providing a roadmap, and facilitated policy dialogue for the long-term regulatory framework. Rating would have been highly successful if timeframe for WSSRC Bill enactment could have been clearly specified.</p> | |
|--|--|---|--|

**SUMMARY OF POLICY ADVISORY TA COMPLETION REPORTS
COMPLETED TO DATE**

| No. | Country | Title | Rating |
|-------------|----------------|--|---------------|
| 2016 | | | |
| 1 | Bangladesh | <p>TA 8320: Establishing a Regulatory Framework for Urban Water Supply and Sanitation</p> <p>(summary presented in Appendix 6)</p> | Successful |
| 2 | Indonesia | <p>TA8432: Improving Water Planning, Management and Development</p> <p>The TA facilitated the preparation of country water assessment (CWA) following close consultations with river basin organizations as well as all relevant ministries.</p> <p>The CWA which supported the government in preparing its 2015-2019 National Medium-Term Development Plan which has reflected increased investments in the water sector. The CWA process generated a large amount of data, including trend and water stress constraints for the sector. It helped to refine the focus of future ADB investment and non-lending support.</p> <p>The CWA has also provided a robust basis for more detailed studies such as the current Sulawesi Water Resources Strategic Study.</p> <p>The CWA analysis provides useful information to policy makers and water resources practitioners.</p> <p>The TA also facilitated the conduct of the very first Indonesia Water Learning Week which brought together senior government policy makers, development partners, civil society, the private sector, and other stakeholders to discuss topics around water management and development.</p> | Successful |
| 3 | PRC | <p>TA8421: Eco-Compensation Mechanism and Policy Framework Study for the Xiangjiang River Watershed of the Chang-Zhu-Tan City Cluster.</p> <p>The comprehensive final report provided suggestions and recommendations on a policy framework and implementation of eco-compensation mechanisms to improve the security of water supplies in the Chang-Zhu-Tan (CZT) municipal area of Xiang River watershed. This is in line with the requirement that the eco-compensation mechanism should be designed (i) for application throughout the Xiang River watershed, and (ii) as a pilot within the CZT area. Training provided by the TA built</p> | Successful |

| | | | |
|-------------|-----|---|------------|
| | | <p>capacity and awareness about environmental issues, sustainable use of resources, financial analyses, and eco-compensation mechanisms and policies.</p> <p>The executing agency was satisfied with the results of the TA as the pilot activities and policy framework proposed under the eco-compensation mechanism were practical and applicable to address the current constraints for improved water and natural resource management in the CZT city cluster.</p> <p>The outputs of the TA are currently being used in the preparation of an eco-compensation project in the CZT watershed. This project would establish a mechanism which increases environmental and ecological responsibility for the Xiang River and its tributaries through making payments and incentives for agreed natural resources management actions contingent on achievement of specific targets; and share the costs of environmental and ecological management among the beneficiaries and the local natural resource users and managers.</p> | |
| 4 | PRC | <p>TA8445: Policy and Management System Development for Rural Environmental Protection.</p> <p>The TA provided policy recommendations for improving management of household solid waste and sewage on the basis of extensive provincial consultations to survey local conditions and from an extensive review of international experience that are applicable to the PRC. The public participation handbook developed under the TA has been provided to the government of Enshi Prefecture of Hubei Province to guide the design of village-level public participation activities as part of an ADB investment project to improve rural environmental protection and protect water resources. The policy recommendations were provided to the executing agency as inputs for preparing the 13th Five-Year Plan for Environmental Protection to improve rural environmental protection.</p> <p>The Ministry of Environmental Protection was satisfied with the TA findings which will be used to formulate national policies to improve environmental protection in the rural PRC. The TA findings and recommendations (i) supported the preparation of PRC's 13th Five-Year Plan (2016–2020) to improve rural environmental protection in the PRC, and (ii) will be disseminated through the knowledge product to developing member countries facing similar problems.</p> | Successful |
| 2014 | | | |
| 5 | PRC | <p>TA4813: Strengthening Flood Management Sustainability in Hunan Province (attached to the loan</p> | Successful |

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| | | <p>for Hunan Flood Management Sector Project).</p> <p>This TA was carried out to support the implementation of the Flood Management Sector Project. It produced the following outputs:</p> <ul style="list-style-type: none"> ➤ proposals for flood warning and management system and flood emergency management prepared for incorporation in the project implementation ➤ findings from flood insurance feasibility study conducted in a pilot city ➤ review of the annual planning and management systems to support integrated and sustainable flood management. <p>Based on the proposals put forward by the TA, the Hunan Provincial Government and implementing agencies improved their flood warning and management system under the Hunan Flood Management Sector Project. The speed and accuracy of flood forecasting was significantly improved. Findings of the flood insurance feasibility study were disseminated through a publication by ADB.</p> <p>The Hunan Provincial Government adopted the TA recommendations and considered them in the implementation of integrated and sustainable flood management.</p> | |
| 6 | Viet Nam | <p>TA4689: Developing Benefits Sharing Mechanisms for People Adversely Affected by Hydropower Generation Projects</p> <p>The TA supported the government in preparing a comprehensive guideline for sharing part of the economic benefits of hydropower projects with the communities directly or indirectly affected for their socio-economic development and to mitigate long-term environmental impacts. The TA accomplished the following:</p> <ul style="list-style-type: none"> • Review of relevant Viet Nam laws and regulations, as well as international best practices on benefit sharing mechanisms • Organizational assessment of power generation companies • Establishment of the Benefit Sharing Council and Fund Management Board and setting up of a temporary revenue sharing account under the Provincial People's Committee • Pilot testing of the draft guidelines on benefit sharing • Submission of recommendations to the government towards the finalization of the legal instruments to | Successful |

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| | | <p>introduce benefit sharing mechanisms on a national level</p> <p>The overall outcome of the TA was achieved with the issuance and adoption of a formal legislative decree on benefits sharing mechanism.</p> | |
| 2013 | | | |
| 7 | PRC | <p>TA7219: Enabling the Protection of Jiazhou Bay Water Quality and Wetlands Ecosystem (Attached to the loan for Qingdao Water Resources and Wetland Protection Project)</p> <p>This TA was implemented to support the implementation of Qingdao Water Resources and Wetland Protection Project, specifically for developing a strategic environmental assessment (SEA) for Jiaozhou Bay.</p> <p>The TA produced the following outputs:</p> <ul style="list-style-type: none"> ➤ assessment of Jiaozhou Bay's water quality and ecosystems ➤ compilation of international experiences on integrated coastal zone ➤ framework for strategic environmental assessment on Jiaozhou Bay development, ➤ analytical framework for low carbon cities in the PRC ➤ documentation of best practices and experiences in low carbon development in the PRC and in the world ➤ Qingdao's situation analysis: economy, energy, and the environment in the low carbon city context ➤ scenario analysis for Qingdao towards a low carbon economy ➤ sector and technological roadmap for Qingdao's low carbon development ➤ low carbon financing mechanism in Qingdao. <p>The TA also produced a framework for agricultural nonpoint source water pollution and recommendations for coastal management to support the loan implementation.</p> <p>The TA results were disseminated at a national capacity building workshop on climate change held in Qingdao, sponsored by the National Development Reform Commission. The same were also presented during the session on <i>Building Up Low Carbon Cities in China: Practices and Approaches</i> at the Durban Conference of the Parties 17 of the United Nations Framework on Climate Change in December 2011. At the NDRC meeting for climate change mitigation and adaptation in Xiamen in March 2012, Qingdao was invited to share the TA results to serve as a model of successful international cooperation on</p> | Successful |

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| | | climate change. | |
| 8 | PRC | <p>TA7217: Preparing National Guidelines for Eco-Compensation in River Basins and a Framework for Soil Pollution Management</p> <p>This advisory TA was in support of the government's thrust of establishing eco-compensation mechanisms in its Eleventh Five-Year Plan, 2006-2010, in order to finance environmental management and restoration.</p> <p>The preparation of the guidelines for river basin eco-compensation benefited from a wide range of stakeholder participation from relevant industries, private sectors, provincial and municipal level government offices. The TA final report provided a detailed analyses and recommendations for improving river basin eco-compensation in the PRC from the aspects of environmental economics, river basin management, financial mechanisms, stakeholder participation and environmental legislation perspectives. The thorough analyses of the eco-compensation mechanisms in two river basins (i.e. Dongjiang and Jiulong River basins) highlighted numerous issues and useful recommendations were proposed to resolve the issues. The case study in the Dongjiang river basin in particular, analyzed existing arrangements for eco-compensation, the challenges, social issues, legal issues and provided recommendations for trans-provincial eco-compensation. The comprehensive draft national guidelines for eco-compensation in river basins were highly appreciated by the government.</p> <p>The Ministry of Environmental Protection (MEP) found the results and recommendations practical and could be applied in MEP's day-to-day operation and supported the PRC's Twelfth Five-Year Plan (2011–2015).</p> | Successful |
| 9 | PRC | <p>TA7658: Effective Reservoir Utilization for Integrated Water Resources Management (Attached to the loan for Risk Mitigation and Strengthening of Endangered Reservoirs in Shandong Province Project)</p> <p>This TA was implemented to support the \$29.8 million loan for Risk Mitigation and Strengthening of Endangered Reservoirs in Shandong Province Project approved in November 2010 to establish sustainable and replicable reservoir rehabilitation models through rehabilitation, management, monitoring, and evaluation of reservoirs in Shandong Province, where reservoir safety is a key concern. This is aimed effectively using rehabilitated reservoirs for integrated water resources management (IWRM).</p> | Successful |

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| | | <p>The TA had the following results:</p> <ul style="list-style-type: none"> ➤ model plans for integrated water use, integrated flood management, and greater environmental benefits downstream formulated in the Xianhe basin which was selected as the model river basin under the investment project ➤ reservoir optimization model developed to determine the best solution among the conflicting objectives. <p>The Provincial Government committed to ensure that the outputs will be adopted and implemented by the local governments in Xianhe basin, and will be replicated in other basins in support of the PRC's Twelfth Five-Year Plan (2011–2015) to strengthen water resources management.</p> | |
| 2011 | | | |
| 10 | PRC | <p>TA7127: River Basin Water Resources Allocation and Management Policy</p> <p>The TA delivered a policy note and a river basin water resources allocation framework. It provided a sound analysis on current policy environment for water resources management, and international and domestic river basin water allocation practices; and identified principles and methodologies for water resources allocation, and guidance on application of water resources allocation framework. It also provided clear guidance on how to formulate and implement water resources allocation schemes for different types of river basins. The policy note identified best practices and provided policy recommendations on river basin water resources allocation for the government, such as balancing market forces and government regulatory role to achieve efficiency and equity of water allocation, and providing environmental flows to maintain healthy river ecosystems.</p> <p>The Ministry of Water Resources (MWR) expressed their satisfaction with the outputs and is applying the TA outputs, including policy recommendations, to develop its operational guidelines on river basin water resources allocation. Some river basin organizations under MWR are using the TA outputs in its current work on formulating and evaluating their river basin water resources allocation plans.</p> | Successful |
| 11 | PRC | <p>TA7049: Implementing the National Flood Management Strategy</p> <p>The TA delivered recommendations for two provinces on improving existing flood management strategies and provincial flood management action plans to implement the</p> | Highly successful |

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| | | <p>strategy. The TA also conducted pilot tests. Several prototype projects for potential future investment were also proposed for the two provinces, including development of improved flood forecasting, flood risk mapping, and flood hazard zoning; development of a computerized flood management asset database; and preparation of a flash flood risk management plan.</p> <p>The recommendations were accepted and adopted by the Ministry of Water Resources and the provincial governments. The TA results were considered highly relevant in supporting the integrated flood management approach adopted by the government and supports the PRC's Twelfth Five-Year Plan (2011-2015) to strengthen water resources management.</p> | |
| 12 | PRC | <p>TA7083: Urban Wastewater Reuse and Sludge Utilization Policy Study</p> <p>The TA produced, among others, a draft comprehensive policy framework that includes (i) recommendations on a reclaimed water utilization management policy framework, (ii) recommendations on a sludge reuse management policy framework, (iii) draft guidelines for the selection of sludge technical routes, (iv) a carbon footprint assessment framework for sludge treatment and disposal, (v) draft urban wastewater reuse safety regulations, and (vi) guidance on the development of marketing and public relations strategies.</p> <p>The study played a catalytic role in promoting policy innovation to regulate and promote beneficial sludge utilization and wastewater reuse. Consistent with the recommendations of the policy study, the Government has published the National Technical Guideline for Urban Sewage Sludge Treatment and Disposal (Trial) in March 2011. The National Plan for the Construction of Urban Wastewater Treatment and Reuse Facilities (2011 to 2015) introduces the concept of technical routes for sludge management, promotes low-carbon approaches to sludge management, and sets the national goal of 70% and 50% sludge treatment by 2015 for large and small cities respectively. Guidelines related to wastewater reuse are being developed.</p> | Successful |
| 13 | PRC | <p>TA7261: Strategy for Drought Management</p> <p>This TA addressed the increasing threat being posed by drought in PRC that has triggered water shortages and seriously affecting daily lives and socioeconomic activities. It produced the following outputs:</p> <ul style="list-style-type: none"> ➤ a national drought management strategy framework | Highly successful |

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| | | <ul style="list-style-type: none"> ➤ an action plan to implement an integrated drought management approach ➤ a handbook for the effective drought management framework and action plan for decision makers and local government officials ➤ a policy brief of study findings for wider dissemination and policy dialogue with high level decision makers. <p>The key recommendation of the TA was a shift from emergency response (reactive) to risk management (proactive). To achieve this, the TA recommended that the State Flood Control and Drought Relief Headquarters (SFDH) take an important role, and capacity development and institutional and organizational reforms of SFDH be undertaken. The handbook for the effective drought management framework and action plan, including a policy brief of study findings, was published and disseminated.</p> <p>Based on TA recommendations of the TA, the government prepared a National Flood Management Plan that included a drought management strategy and an action plan, with a risk management approach as the principle of the plan.</p> | |
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**SUMMARY OF CAPACITY DEVELOPMENT TA COMPLETION REPORTS
COMPLETED IN JULY-DECEMBER 2016**

| No. | Region/ Country | Title and Summary of Results | Rating |
|------------|------------------------|---|----------------------|
| 1 | Regional | <p>TA8382: Sustainable Hydropower in Asia Publication. This CDTA which was jointly financed by WFPF and the Clean Energy Financing Partnership Facility sought to guide the development of hydropower generation projects in Asia by providing guidance on the sustainability principles during planning, design, and implementation, including guidance in carrying out the full assessment of environment, social, and economic impacts of hydropower projects. The output was supposed to be a series of working papers that together will form a compendium of good practices for promoting sustainable hydropower projects, together with case studies.</p> <p>Upon completion of the initial draft of the publication and following consultation with external expert peer reviewers, it was recognized that the contents dealt with many key issues contained in ADB Safeguard Policy Statement (SPS) and there was a risk that the publication may be seen as introducing new requirements above and beyond those in the SPS. Also in 2015, the European Investment Bank approved a “Good Practice Note on Conflict Sensitivity of Projects,” and the European Bank for Reconstruction and Development came up with a draft report on “Good Practice Note on Hydropower Projects.” The ADB publication will have to be harmonized with these two, in addition to removing the conflicts with SPS. This additional work needed more time, beyond the timeframe that could be accommodated by the TA. Thus, a decision was reached to close the TA and to publish each of the chapters as a working paper. This approach will allow more discussion and consultation on each chapter to minimize controversies involved with hydropower projects.</p> <p>Three working papers were targeted for release in 2016 with the others to follow in 2017. Because the intended publication was not completed within the TA timeframe, the TA was rated as less than successful. However, the intended outcome will still be achieved with the eventual publication of all working papers.</p> | Less than successful |

**SUMMARY OF CAPACITY DEVELOPMENT TA COMPLETION REPORTS
COMPLETED TO DATE**

| No. | Region/ Country | Title and Summary of Results | Rating |
|-------------|--------------------|--|----------------------|
| 2016 | | | |
| 1 | Regional | <p>TA8382: Sustainable Hydropower in Asia Publication</p> <p>(Summary presented in Appendix 7)</p> | Less than successful |
| 2 | Timor Leste | <p>TA8064: Second District Capitals Water Supply Project</p> <p>Originally intended as a PPTA, the original target impact was that more people enjoy improved drinking water supply in Timor-Leste. It aimed to reduce the incidence of water-borne disease, and ease the workload of women, by improving water supply services in target district towns, through the design of priority investments to address the situation. A major change in scope was processed in June 2013 changing the TA category from PPTA to CDTA in response to the government's stated position that it would not consider loan financing for water supply investments. The change in scope also expanded the CDTA to incorporate sanitation planning.</p> <p>As a result of the major change in scope, the TA's revised outcome was that the National Directorate of Water Supply (NDWS) provides safe and reliable water supply to selected district capitals, and that the National Directorate of Basic Sanitation (NDBS) provides improved sanitation, to selected district capitals. The major change in scope also resulted in revised TA outputs as follows: (i) sustainable and affordable options for improving access to safe and reliable water supply and improved sanitation services are identified for targeted district centers, (ii) sustainable financing mechanisms are identified, and (iii) feasibility assessments for identified high priority water supply and sanitation investments are undertaken.</p> <p>The majority of TA output performance targets were achieved in line with the TA's revised design and monitoring framework. Despite implementation delays, the client was satisfied with the inputs provided under the TA. Official government approval of the Water Supply and Sanitation Master Plans was anticipated by 2015 but due to delays in submitting final reports, these were only approved in March 2016. The TA also identified appropriate tariff levels to ensure sustainable financing of systems operations and maintenance. However, these have not yet been implemented since a country-wide tariff review is on-going during 2016 under another ADB-financed TA. The CDTA also</p> | Successful |

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| | | helped identify economically feasible high priority water supply and sanitation investments to be included in NDWS and NDBS' investment plans. | |
| 2015 | | | |
| 3 | Philippines | <p>TA8135: Design of a Pilot Project to Improve Environmental Conditions of Estero de Paco</p> <p>This pilot project followed the Estero de Paco cleanup efforts of the 2009 Pasig River Rehabilitation Commission (PRRC), which comprised easement clearing, garbage removal, channel dredging, riverbanks stabilization, and floating aerators operation. However, on completion of PRRC's activities, the dark waterway still smelled, and remained below prescribed standards. The once 27-km pristine Pasig river had become one of Asia's most polluted rivers. ADB's Pasig. A new approach was needed, stressing the importance of wastewater collection and treatment before flowing into the estero.</p> <p>The TA outputs include the following:</p> <ul style="list-style-type: none"> ➤ completion of (i) urban catchment GIS, (ii) hydrological and water quality models; (iii) mapping of active civil society stakeholders, (iv) inventory of Information, Education and Communication (IEC) materials and (v) a review and assessment of existing studies were submitted in the inception report with high accuracy ➤ pollutant mapping together with hydrological and hydraulic studies, water quality audits and social development studies ➤ social preparation and community organization for increased uptake of septic tank desludging, and connection to sewer system where available. ➤ set of criteria for technology selection covering footprint, treatment efficiency, investment costs, O&M costs and training needs, and environmental integration. ➤ completed pilot project, including preparation of design documents (condominial sewerage system, anaerobic baffle reactor, constructed wetlands), contracting of civil works, reporting of construction progress and works conclusion, reporting of pilot project commissioning, establishment of O&M arrangements. Five months monitoring concluded with high performance. ➤ Improved operation of Paco Market drainage and septic tank ➤ Improved sluice gates control policies contributing to flood risks reduction, providing solutions to restore the waterway hydraulic capacity, such as dredging and piloting a new system to operate the flood control gates. | Successful |

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| 4 | Central Asia | <p>TA6486: Improved Management of Water Resources in Central Asia</p> <p>This regional TA intended to achieve the following:</p> <ul style="list-style-type: none"> ➤ Improving knowledge base for Amu Darya basin by strengthening hydromet network through: (i) analysis of existing network, collection and data exchange in the Amu Darya basin with recommendations for improvement, (ii) recommendations for physical and technical improvements to the hydromet network, (iii) development of a framework for efficient and effective hydromet data exchange and analysis among national and regional water management agencies/organizations, and (iv) scoping other technical studies to strengthen knowledge of hydrological, morphological, and other water resources issues for improved management of the basin. ➤ Strengthening institutional framework and institutionalization of regional cooperation for water resources management of Amu Darya and Syr Darya by reviewing existing institutional and organizational framework for transboundary water management and providing recommendations to strengthen cooperation and develop interstate an agreement for approval of Amu Darya basin that includes Afghanistan. ➤ Support to Chu-Talas Joint Rivers Commission through: (i) revision of 2000 agreement between Kazakhstan and the Kyrgyz Republic on interstate water facilities in the Chu-Talas river basins, (ii) testing and introduction of computerized water assessment and allocation modules, (iii) preparation of IWRM plans for each basin, and (iv) IWRM knowledge dissemination. <p>The TA did not fully achieve its intended outcomes. Support to improve the functions of the Chu Talas Joint Rivers Commission was implemented successfully. The bilateral cooperation on Chu-Talas river basin is a successful example, implemented in a spirit of mutual trust and understanding, for transboundary water management in Central Asia. There are indications that other countries in the region are learning from the experience for possible replication in their river basins. However, activities for the Syr Darya and Amu Darya were implemented unsuccessfully since riparian countries were not able to sign new long-term agreements on these basins although several meetings were conducted.</p> | Less than successful |
| 5 | PRC | <p>TA8185: Pilot Implementation of Drought Management Strategy</p> | Highly Successful |

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| | | <p>This TA was a follow up to earlier assistance in developing a national strategic framework for drought management and an action plan for implementing integrated drought management. This earlier TA resulted in the Ministry of Water Resources preparing a national anti-drought plan that included a drought management strategy and an action plan. This follow-up TA produced the following outputs:</p> <ul style="list-style-type: none"> ➤ drought management tools including (a) a prototype integrated drought database, (b) methodologies for drought hazard analysis and drought risk mapping, and drought risk maps for all three pilot provinces, and (c) a framework for a layered drought forecasting and early warning ➤ an institutional and capacity development program for managing drought risk and saving water, and an educational and public awareness program for water saving ➤ a set of standard protocols for provincial and local drought risk management plans, a provincial drought risk management plan for each pilot province, and a comprehensive example or prototype of a local drought risk management plan ➤ guidelines for implementing drought risk management across the PRC. <p>The Ministry of Water Resources was satisfied with the TA's outputs, and committed to ensure that the outputs including the tools, programs, plans, and guidelines will be adopted and will continue to be used in the three pilot provinces including municipalities and districts, and disseminated to other provinces. The TA's outputs will support the PRC's Twelfth Five-Year Plan (2011–2015) to strengthen water resources management.</p> | |
| 6 | Sri Lanka | <p>TA8206: Capacity Development for Non-Revenue Water Reduction. The National Water Supply and Drainage Board (NWSDB) is the principal authority providing safe drinking water and facilitating the provision of sanitation services in Sri Lanka. Colombo city, as business capital, is the core area of revenue generation for NWSDB. 95% of Colombo city is covered by piped water supply systems. The city is facing water supply shortage due to a considerable percentage of water lost in the distribution network system before reaching the households. The non-revenue water (NRW) is estimated to be around 49% of total water supply. In order to reduce NRW, a Multitranchise Financing Facility (MFF) for the Greater Colombo Water and Wastewater Management Improvement Investment Program was approved in 2012. This small-scale capacity development TA had a special focus to help the NWSDB develop its capacity to achieve NRW reduction targets for Colombo city to further strengthen the expected</p> | Successful |

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| | | <p>outcomes of the Investment Program.</p> <p>The TA outputs included the following:</p> <ul style="list-style-type: none"> ➤ baseline for NRW in Colombo city established based on the official NWSDB figure of 49% ➤ water balance assessments independently certified and established the NRW figure as 48%. The 1% variance is accounted for by the additional consumption applied in the water balance ➤ technical recommendations provided by independent experts on the proposals, methodologies and strategies for NRW reduction program prepared under the investment Program were achieved by incorporating all technical inputs from district metering are re-design and analysis into critical bid documents with necessary NRW strategies ➤ specialized trainings provided to NWSDB staff on NRW reduction and leak detection were completed | |
| 2014 | | | |
| 7 | Viet Nam | <p>TA7629: Capacity Building for River Basin Water Resources Planning</p> <p>This TA followed on from the support provided under two earlier TAs – one of them identified key water management issues that led to the formulation of the government’s National Target Program to improve the effectiveness of integrated use, management, and protection of water resources and the other one assisted the government with a review and revision of the Law on Water Resources (LWR).</p> <p>The TA had two planned outputs: (i) documents for the submission of the amended LWR, and (ii) planning tasks for the development of water resources of the Red-Thai Binh River Basin</p> <p>The first output supporting the revision of the LWR was successful, culminating in the National Assembly’s passage of the new law into legislation in June 2012.</p> <p>Under the second output, the following reports were produced: (i) Guidelines for the Preparation of Planning Tasks; (ii) Guidelines on the Use of Water Resource Indicators for the Preparation of a Status Report for a River Basin; (iii) Water Indicators for the Red-Thai Binh River Basin: The Indicators and their Use and (iv) Reference Report: Guidelines for the Preparation of Planning Tasks. A series of workshops was organized to introduce the new planning process while identifying key water resource issues. The workshops increased awareness of stakeholders but</p> | Partly successful |

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| | | <p>more hands-on training would be needed to ensure that they will be able to implement the planning tasks. A series of sector studies were designed as inputs to the planning process, involving key sectors which are either water users or important to the planning process for social or economic reasons. The performance target linked to this output was partially achieved, as the investment program was not designed, though the strategies and methodologies were prepared. The executing agency has observed that capacity development outcomes were limited and requested more specific capacity building in future initiatives. While this comment is noted, the concept of capacity building should not be restricted to training of government staff.</p> | |
| 2013 | | | |
| 8 | India | <p>TA7713: Project Management Capacity Building for Water Resources Sector Executing Agencies, India</p> <p>This TA was conceptualized recognizing that executing agencies lacked experience in implementing large infrastructure works with modern management skills. Executing agencies generally faced challenges in introducing new technologies and practices with multidisciplinary management systems that include intensive stakeholder participation. The TA aimed to increase capacity of the executing agencies that implement ongoing ADB-financed water resources projects in six states and union territories comprising Assam, Chhattisgarh, Goa, Karnataka, Maharashtra, and Orissa. The TA focused on projects with relatively new and innovative approaches in irrigation modernization and water user group strengthening, riverbank protection and coastal management. The TA was designed to limit critical start up and ongoing implementation delays by providing advisory support and relevant training to implementing agencies staff particularly in project coordination, detailed design, construction supervision and quality control.</p> <p>The TA has directly contributed to capacity building of executing agencies of the three projects in construction management, contract administration and engineering design innovations. The agencies have benefited from “on the job” training in these aspects and the results are visible in the case of Orissa Integrated Irrigated Agriculture and Water Management Investment Program Assam Integrated Flood and Riverbank Erosion Risk Management Investment Program with distinct improvement in quality control of civil works and contract administration (more instructions to contractor regarding quality, time and cost management). Projects have made notable progress in pace of implementation of civil works.</p> | Successful |

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| | | <p>The TA has provided technical knowledge enhancement to IA engineers particularly with provision of expertise in innovative interventions like riverbank protection and coastal management. TA interventions will be sustainable given that the improved practices and adherence to quality control etc. will be requirements of subsequent tranches of the lending facilities. These provide a longer term cycle over which enhanced practices may be engendered and institutionalized. Relevant training institutions (like Indian Institute of Technology, Roorkee and National of Construction Management and Research) have been identified for continued support using State financing or other budgets.</p> | |
| 2012 | | | |
| 9 | Sri Lanka | <p>TA7320: Supporting Capacity Development for Wastewater Management Services in Colombo</p> <p>This capacity development TA was designed to enhance preparedness of the Colombo Municipal Council (CMC) to implement the Greater Colombo Wastewater Management Project. As the new asset owner of the sewerage system, and a first-time implementing agency under the ADB loan project, CMC needed intensive and extensive institutional capacity development support in order to fulfill its mandate of asset management, delivery of efficient and effective services to citizens, and management and implementation of the ADB loan project. Thus, the TA provided start-up support to CMC in setting up a project management structure. The TA helped CMC build its project management skills, institutional strengthening, financial reforms, and developed suitable operational systems and processes so that CMC becomes an efficient and effective wastewater management service provider.</p> <p>The specific outputs included the following:</p> <ul style="list-style-type: none"> ➤ well established project implementation system project start up activities ➤ established project management unit and CMC's operational performance management system completed training, seminars, workshops, study tours and on-the-job training for CMC and PMU staff | Successful |

**SUMMARY OF SUPPLEMENTARY CAPACITY DEVELOPMENT THROUGH
DIRECT CHARGE COMPLETED IN JULY-DECEMBER 2016**

| No. | Country | Summary |
|------------|---|---|
| 1 | Regional (Bangladesh, India, Nepal and Sri Lanka) | <p>Support to Preparation of Innovative Sanitation Business Plans for 4 National Centers under the Proposed South Asia Urban Knowledge Hub. This activity supported TA 46465 South Asia Urban Knowledge Hub (K-Hub). The K-Hub is a network of four (4) research and/or training institutions in Bangladesh, India, Nepal and Sri Lanka whose main objective is to build their capacity to generate knowledge that can be applied to city management according to principles of sustainable development and to influence policy and decision-makers in this direction. The K-Hub is designed to facilitate information and experience exchanges within South Asia for city managers, utility staff, policy makers, academia and private sector to improve the urban environment and services delivery. The K-Hub also aims to strengthen national centers' skills for outcome-oriented research and influencing intended audiences.</p> <p>A key focus of the K-Hub's activities during the first 3 years is dedicated to innovative urban sanitation; and there is need to build capacity of the national centers to be knowledge management leaders on this topic. The activity supported national centers to develop a 5-year business plan that structures the national centers' work and capacity needs related to innovative urban sanitation.</p> <p>The business plans identified the comparative advantage of these institutions, their strategic partnerships, opportunities to further develop as knowledge leaders, and the resources required to implement the business plan. The plans are now under implementation.</p> <p>Innovative urban sanitation broadly includes (a) new technologies, (b) pro-poor technologies or service delivery solutions, (c) septage management, (d) decentralized systems and (e) innovative service delivery mechanisms – e.g. in terms of partnerships with the private sector, cost effectiveness or new business models.</p> |

ASIAN DEVELOPMENT BANK
ADMINISTRATOR FOR
WATER FINANCING PARTNERSHIP FACILITY TRUST FUND
CHANNEL FINANCING AGREEMENT

STATUS OF GRANT
As of 31 December 2016
(Expressed in US Dollars)

| | | |
|--|----------------------------------|----------------------------|
| TOTAL CONTRIBUTION COMMITTED | | 52,683,515.74 |
| Gain (loss) arising from change in value of currency | | <u>(634,568.02)</u> |
| Amount received: | | |
| Government of Australia (AUD25,000,000) | 24,209,500.00 | |
| Government of Austria (USD5,000,000) | 5,000,000.00 | |
| Government of Austria (EUR2,600,000) | 3,467,709.28 | |
| Government of Norway (NOK30,000,000) | 4,669,104.35 | |
| Government of Spain (USD9,500,000) | 9,500,000.00 | |
| Government of Switzerland (CHF4,800,000) | <u>5,202,634.09</u> | |
| NET CONTRIBUTION RECEIVED | | 52,048,947.72 |
| Interest income - cash in bank | 80,191.75 | |
| Interest income - investments | 639,559.70 | |
| Gain (loss) on foreign exchange transactions | <u>1,398.51</u> | <u>721,149.96</u> |
| TOTAL AMOUNT AVAILABLE | | 52,770,097.68 |
| Amounts utilized for: | | |
| Project expenditures (Statement 2) | | |
| Grant component of investment (GCI) | (2,762,487.73) | |
| Technical assistance linked to loan (TALL) | (4,196,141.47) | |
| Technical assistance (TA) | (29,258,487.92) | |
| Direct charges | (6,226,476.18) | |
| ADB administration cost | (1,730,806.02) ^{b/} | |
| Audit fees | (129,376.00) | |
| Financial expenses | <u>(18,648.94)</u> | <u>(44,322,424.26)</u> |
| UNUTILIZED BALANCE | | 8,447,673.42 ^{a/} |
| Outstanding commitments | (5,261,561.63) | |
| Reserve for ADB administration cost | (263,078.08) ^{b/} | |
| Undisbursed direct charges | <u>(679,790.30)</u> | <u>(6,204,430.01)</u> |
| UNCOMMITTED BALANCE | | 2,243,243.41 |
| Projects approved but not yet effective: | | |
| TA 9103-PHI: Water District Development Sector Project | (500,000.00) | |
| Reserve for ADB administration cost | <u>(25,000.00) ^{b/}</u> | <u>(525,000.00)</u> |
| UNCOMMITTED BALANCE AVAILABLE FOR FURTHER COMMITMENTS | | <u><u>1,718,243.41</u></u> |

^{a/} Represented by:

| | |
|----------------------|----------------------------|
| Cash in bank | 3,449,582.88 |
| Investment | 4,938,286.38 |
| Accrued interest | 768.18 |
| Advances | 51,210.23 |
| Interfund receivable | 100,236.11 |
| Interfund payable | (84,446.36) |
| Accrued expenses | <u>(7,964.00)</u> |
| | <u><u>8,447,673.42</u></u> |

^{b/} Represents 5% and 2% of TA and Grant project expenditures/outstanding commitments/approved not yet effective.
For Grants under Contributions committed starting 6 November 2009, admin cost will be 5% for grants up to \$5 million, or 2% with a minimum of \$250,000 (whichever is greater) for grants above \$5 million.

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct Charges
Water Financing Partnership Facility
As of 31 December 2016
(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|------------------------------|---------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| | | | | | (A) | (B) | (C) | | | (D) | (E) = (C) + (D) |
| APPROVED and EFFECTIVE PROJECTS | | | | | | | | | | | |
| Grant Component of Investment (GCI): | | | | | | | | | | | |
| China, People's Republic of | | | | | | | | | | | |
| Liaoning Small Cities and Towns Development Demonstration Sector Project | 0159 | 18-Sep-09 | 250,000.00 | | 223,924.98 | - | 223,924.98 | - | | 26,075.02 | 23-Apr-14 |
| Hebei Small Cities and Towns Development Demonstration Project Climate Change Adaptation through Groundwater Management | 0171 | 6-Nov-09 | 250,000.00 | | 250,000.00 | - | 250,000.00 | - | | 0.00 | 31-Oct-13 |
| Shanxi Small Cities and Towns Development Demonstration Sector Project | 0188 | 16-Dec-09 | 500,000.00 | | 499,980.04 | - | 499,980.04 | - | | 19.96 | 10-Mar-14 |
| | 0190 | 18-Dec-09 | 250,000.00 | | 194,533.22 | - | 194,533.22 | - | | 55,466.78 | 02-May-14 |
| Kiribati | | | | | | | | | | | |
| South Tarawa Sanitation Improvement Sector - Additional Financing | 0387 | 14-May-14 | 610,000.00 | | 50,160.00 | 44,000.00 | 94,160.00 | 515,840.00 | 30-Jun-19 | | |
| Vietnam | | | | | | | | | | | |
| Thanh Hoa City Comprehensive Socioeconomic Development Project | 0147 | 5-Mar-09 | 1,200,000.00 | | - | - | - | - | | 1,200,000.00 | 06-Sep-12 |
| Uzbekistan | | | | | | | | | | | |
| Surkhandarya Water Supply and Sanitation Project | 0131 | 3-Nov-08 | 1,500,000.00 | | 1,499,889.49 | - | 1,499,889.49 | - | | 110.51 | 28-Feb-15 |
| Sub Total | | | 4,560,000.00 | | 2,718,487.73 | 44,000.00 | 2,762,487.73 | 515,840.00 | | 1,281,672.27 | |

Technical Assistance Linked to Loan (TALL):

China, People's Republic of

| | | | | | | | | | | | |
|--|---------|-----------|------------|--|------------|---|------------|---|--|----------|-----------|
| Enabling the Protection of Jiaozhou Bay Water Quality and Wetland Ecosystem | 7219/AO | 17-Dec-08 | 400,000.00 | | 400,000.00 | - | 400,000.00 | - | | 0.00 | 21-Dec-12 |
| Effective Reservoir Utilization for Integrated Water Resources Management | 7658/PA | 19-Nov-10 | 200,000.00 | | 198,599.75 | - | 198,599.75 | - | | 1,400.25 | 18-Jun-13 |
| Strengthening Participatory Irrigation Management and Project Management Capacity in Qinghai Province | 7731/CD | 16-Dec-10 | 200,000.00 | | 199,969.47 | - | 199,969.47 | - | | 30.53 | 22-Aug-14 |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct Charges
Water Financing Partnership Facility
As of 31 December 2016
(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type | Date of Approval ^{4/} | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|------------------------------|-----------------------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Management and Protection of Wetlands in Weinan City in Shaanxi Province | 8293/CD | 17-Dec-12 | 350,000.00 | | 216,844.18 | 13,670.65 | 230,514.83 | - | | 119,485.17 | 24-Feb-16 |
| Restoration of Wetlands in Dalai Lake Nature Reserve of Inner Mongolia | 8479/CD | 08-Oct-13 | 500,000.00 | | 12,653.06 | 416,896.34 | 429,549.40 | | | 70,450.60 | 22-Dec-16 |
| Wastewater Treatment and Reuse Program | 8457/CD | 20-Sep-13 | 250,000.00 | | 120,373.00 | 106,450.53 | 226,823.53 | 23,176.47 | 31-Dec-16 | | |
| Strengthening Urban Flood Management in Huainan Municipality | 8491/PA | 25-Oct-13 | 500,000.00 | | 130,930.00 | - | 130,930.00 | 369,070.00 | 13-Jun-16 | | |
| India | | | | | | | | | | | |
| Institutional Development of Integrated Water Resources Management in ORISSA | 7131/AO | 18-Sep-08 | 250,000.00 | | 222,449.00 | - | 222,449.00 | | | 27,551.00 | 26-Mar-11 |
| Indonesia | | | | | | | | | | | |
| Institutional Strengthening for Integrated Water Resources Management in 6 CIS River Basin Territory | 7189/AO | 04-Dec-08 | 2,000,000.00 | | 2,000,000.00 | - | 2,000,000.00 | | | - | 22-Jul-16 |
| Nepal | | | | | | | | | | | |
| Institutional and Legal Support for Improved Water Management Systems in Nepal and Formation of the Bagmati River Basin Organization | 8500/PA | 31-Oct-13 | 500,000.00 | | 49,190.02 | 108,115.47 | 157,305.49 | 342,694.51 | 31-Jul-19 | | |
| Sub Total | | | 5,150,000.00 | | 3,551,008.48 | 645,132.99 | 4,196,141.47 | 734,940.98 | | 218,917.55 | |
| Technical Assistance (TA): | | | | | | | | | | | |
| Bangladesh | | | | | | | | | | | |
| Second Chittagong Hill Tracts Rural Development Project (CHTRDP II) | 7432/PP | 7-Dec-09 | 265,000.00 | | 228,624.69 | - | 228,624.69 | - | | 36,375.31 | 31-Dec-11 |
| Preparing the Khilket Water Treatment Plant Project | 8053/PP | 21-Feb-12 | 500,000.00 | | 483,147.38 | 16,852.62 | 500,000.00 | | | - | 28-Sep-16 |
| Third Urban Governance and Infrastructure Improvement Sector | 8339/PP | 15-Mar-13 | 450,000.00 | | 450,000.00 | - | 450,000.00 | | | - | 31-Aug-16 |
| Bhutan | | | | | | | | | | | |
| Adapting to Climate Change through Integrated Water Resources Management | 8623/CD | 28-Feb-14 | 250,000.00 | | 156,180.77 | - | 156,180.77 | | | 93,819.23 | 30-Sep-16 |
| China, People's Republic of | | | | | | | | | | | |
| Urban Wastewater Reuse and Sludge Utilization Policy Study | 7083/AO | 26-May-08 | 300,000.00 | | 300,000.00 | - | 300,000.00 | - | | - | 21-Dec-11 |
| River Basin Water Resources Allocation and Management Policy | 7127/AO | 2-Sep-08 | 250,000.00 | | 250,000.00 | - | 250,000.00 | - | | - | 31-Mar-11 |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct Charges
Water Financing Partnership Facility
As of 31 December 2016
(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type | Date of Approval ^{4/} | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|------------------------------|-----------------------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Preparing National Guidelines for Eco-Compensation in River Basins and a Framework for Soil Pollution Management Strategy for Drought Management | 7217/AO 7261/PA | 8-Dec-08 26-Mar-09 | 400,000.00 230,000.00 | | 400,000.00 230,000.00 | - - | 400,000.00 230,000.00 | - - | | - - | 17-Sep-13 12-Dec-11 |
| Jilin Urban Services Improvement Project | 8172/PP | 13-Sep-12 | 150,000.00 | | 150,000.00 | - | 150,000.00 | - | | - | 31-Jul-14 |
| Pilot Implementation of the Drought Management Strategy | 8185/CD | 08-Oct-12 | 200,000.00 | | 200,000.00 | - | 200,000.00 | - | | - | 29-Dec-14 |
| Jiangxi Zhelin Lake Water Resources Integrated Utilization | 8201/PP | 29-Oct-12 | 290,000.00 | | 290,000.00 | - | 290,000.00 | - | | - | 16-Dec-15 |
| Biodiversity Strategy and Action Plan for Yunnan Province | 8269/PA | 10-Dec-12 | 200,000.00 | | 200,000.00 | - | 200,000.00 | - | | - | 19-Mar-15 |
| Xinjiang Akesu Integrated Urban Development and Environment Improvement Project | 8303/PP | 18-Dec-12 | 250,000.00 | | 250,000.00 | - | 250,000.00 | - | | - | 29-Dec-15 |
| Gansu Baiyin Urban Development II (Supplementary) | 8381/PP | 17-Jun-13 | 120,000.00 | | 120,000.00 | - | 120,000.00 | - | | - | 25-Sep-15 |
| Gansu Featured Agriculture and Financial Services System Development Project | 8417/PP | 05-Aug-13 | 180,000.00 | | 141,294.07 | - | 141,294.07 | - | | 38,705.93 | 07-Dec-15 |
| Eco-Compensation Mechanism and Policy Framework Study for the Xiangjiang River | 8421/PA | 05-Aug-13 | 225,000.00 | | 223,066.00 | - | 223,066.00 | - | | 1,934.00 | 22-Dec-15 |
| Shandong Groundwater Allocation and Protection | 8423/PP | 09-Aug-13 | 250,000.00 | | 169,928.42 | - | 169,928.42 | - | | 80,071.58 | 24-Nov-15 |
| Hubei Enshi Qing River Upstream Environment Rehabilitation | 8424/PP | 09-Aug-13 | 200,000.00 | | 200,000.00 | - | 200,000.00 | - | | - | 31-Mar-15 |
| Policy and Management System Development for Rural Environmental Protection | 8445/PA | 11-Sep-13 | 100,000.00 | | 100,000.00 | - | 100,000.00 | - | | - | 22-Dec-15 |
| Jiangxi Pingxiang Integrated Rural-Urban Infrastructure Development | 8451/PP | 18-Sep-13 | 240,000.00 | | 200,494.29 | 24,246.35 | 224,740.64 | - | | 15,259.36 | 11-Mar-16 |
| Strengthening Capacity for Wetland Protection for Sanjiang Plain | 8541/CD | 5-Dec-13 | 300,000.00 | | 260,906.00 | 39,094.00 | 300,000.00 | - | | - | 31-Dec-16 |
| Establishing a Regional Knowledge Hub on Green Growth and Eco-Compensation | 8554/CD | 12-Dec-13 | 300,000.00 | | 196,713.89 | 103,286.11 | 300,000.00 | - | | - | 09-Mar-16 |
| Hunan Dongjiang Lake Environmental Protection and Integrated Utilization | 8638/PP | 4-Apr-14 | 200,000.00 | | 200,000.00 | - | 200,000.00 | - | | - | 22-Dec-15 |
| Country Water Assessment | 8715/PA | 5-Sep-14 | 300,000.00 | | 107,572.96 | 188,459.42 | 296,032.38 | 3,967.62 | 31-Mar-17 | | |
| Xinjiang Changji Integrated Urban-Rural Infrastructure Demonstration | 8922/PP | 6-Jul-15 | 130,000.00 | | 6,925.26 | 13,653.41 | 20,578.67 | 109,421.33 | 31-Mar-17 | | |
| Fiji | | | | | | | | | | | |
| Urban Development Planning and Institutional Capacity Building | 8526/CD | 04-Dec-13 | 350,000.00 | | 350,000.00 | - | 350,000.00 | - | 31-Dec-16 | | |
| India | | | | | | | | | | | |
| Water Users Association Empowerment for Improved Irrigation Management in Chhattisgarh | 4573/AO | 29-Mar-05 | 550,000.00 | | 549,280.71 | - | 549,280.71 | | | 719.29 | 01-Apr-14 |
| Preparing the Integrated Flood and River Erosion Management | 7132/PP | 11-Sep-08 | 750,000.00 | | 687,012.96 | - | 687,012.96 | | | 62,987.04 | 29-Mar-11 |

ASIAN DEVELOPMENT BANK
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Water Financing Partnership Facility
As of 31 December 2016
(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type | Date of Approval ^{4/} | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|------------------------------|-----------------------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Preparing the Integrated Flood and Riverbank Erosion Risk Management Project (Phase 2) | 7136/PP | 26-Sep-08 | 750,000.00 | | 750,000.00 | - | 750,000.00 | | | - | 30-Mar-12 |
| Project Management Capacity Building for Water Resources Sector Executing Agencies | 7713/CD | 16-Dec-10 | 200,000.00 | | 98,861.88 | - | 98,861.88 | | | 101,138.12 | 15-Oct-13 |
| Operational Research to Support Mainstreaming of Integrated Flood Management under Climate Change | 8089/PA | 1-Jun-12 | 200,000.00 | | - | - | - | | | 200,000.00 | 27-Jun-16 |
| Climate Adaptation thru Sub-Basin Development Investment Program | 8166/PP | 20-Sep-12 | 461,000.00 | | 461,000.00 | - | 461,000.00 | | | - | 31-Mar-16 |
| Delhi Water Supply Improvement Investment Program | 8415/PP | 29-Jul-13 | 500,000.00 | | 250,086.28 | 34,561.14 | 284,647.42 | 215,352.58 | 30-Jun-17 | | |
| <u>Indonesia</u> | | | | | | | | | | | |
| Metropolitan Sanitation Management and Health Project | 4763/PP | 16-Jan-06 | 500,000.00 | | 467,085.66 | - | 467,085.66 | | | 32,914.34 | 21-Oct-10 |
| Flood Management in Selected River Basins (Phase II) | 7364/PP | 12-Oct-09 | 500,000.00 | | 387,385.08 | - | 387,385.08 | | | 112,614.92 | 30-Sep-15 |
| <u>Kiribati</u> | | | | | | | | | | | |
| South Tarawa Water Supply Project | 9200/PP | 07-Oct-16 | 150,000.00 | | - | - | - | 150,000.00 | 31-Oct-17 | | |
| <u>Kyrgyz</u> | | | | | | | | | | | |
| Issyk-Kul Sustainable Development Project | 7228/PP | 20-Jan-09 | 700,000.00 | | 604,938.45 | - | 604,938.45 | | | 95,061.55 | 31-Mar-10 |
| Water Supply and Sanitation Strategy (Supplementary) | 8375/CD | 03-Jun-13 | 50,000.00 | | - | 49,980.75 | 49,980.75 | | | 19.25 | 27-Sep-16 |
| <u>Marshall Islands</u> | | | | | | | | | | | |
| Ebeye Water Supply and Sanitation Project | 8306/PP | 20-Dec-12 | 500,000.00 | | 486,096.41 | 3,631.10 | 489,727.51 | 10,272.49 | 31-May-17 | | |
| <u>Mongolia</u> | | | | | | | | | | | |
| Ulaanbaatar Urban Services and Ger Areas Development Investment Program | 7970/PP | 13-Dec-11 | 200,000.00 | | 200,000.00 | - | 200,000.00 | | | - | 17-Sep-14 |
| <u>Myanmar</u> | | | | | | | | | | | |
| Mandalay City Urban Services Improvement | 8472/PP | 03-Oct-13 | 500,000.00 | | 500,000.00 | - | 500,000.00 | | | - | 28-Dec-16 |
| Irrigation Command Area Development (Supplementary) | 8583/PP | 16-Dec-13 | 500,000.00 | | - | - | - | 500,000.00 | 31-Dec-16 | | |
| <u>Nepal</u> | | | | | | | | | | | |
| Building Climate Resilience of Watersheds in Mountain Eco-Regions | 7883/PP | 10-Oct-11 | 500,000.00 | | 500,000.00 | - | 500,000.00 | | | - | 20-Mar-15 |
| Bagmati River Basin Improvement Project | 8050/PP | 24-Jan-12 | 470,000.00 | | 470,000.00 | - | 470,000.00 | | | - | 31-Dec-14 |
| Third Small Towns Water Supply and Sanitation Sector Project | 8346/PP | 05-Apr-13 | 300,000.00 | | 300,000.00 | - | 300,000.00 | | | - | 31-May-16 |

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|---|------------------------------|-----------------------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Philippines | | | | | | | | | | | |
| Preparing the Water District Development Sector Project | 7122/PP | 10-Sep-08 | 1,270,000.00 | | 1,251,950.71 | - | 1,251,950.71 | | | 18,049.29 | 26-Nov-13 |
| NSP: Pasig River Catchment Sewerage Project | 7367/PP | 26-Oct-09 | 300,000.00 | | 300,000.00 | - | 300,000.00 | | | - | 30-Apr-11 |
| Solid Waste Management Sector | 8115/PP | 16-Jul-12 | 220,000.00 | | 93,614.34 | 109,366.76 | 202,981.10 | | | 17,018.90 | 31-Mar-16 |
| Design of a Pilot Project to Improve Environmental Conditions of Estero de Paco | 8135/CD | 08-Aug-12 | 220,000.00 | | 218,508.94 | - | 218,508.94 | | | 1,491.06 | 30-Apr-15 |
| Pakistan | | | | | | | | | | | |
| Punjab Cities Improvement Investment Program | 7321/PP | 29-Jul-09 | 400,000.00 | | 399,999.99 | - | 399,999.99 | | | 0.01 | 27-Nov-12 |
| Preparing MFF Khyber Pakhtunkhwa Water Resources Sector | 8488/PP | 24-Oct-13 | 200,000.00 | | 168,926.22 | 31,073.78 | 200,000.00 | - | 31-Oct-16 | | |
| Sri Lanka | | | | | | | | | | | |
| Supporting Capacity Development for Wastewater Management | 7320/CD | 28-Jul-09 | 150,000.00 | | 136,075.44 | - | 136,075.44 | | | 13,924.56 | 04-Oct-11 |
| Capacity Development for Non-Revenue Water Reduction | 8206/CD | 05-Nov-12 | 200,000.00 | | 188,245.82 | - | 188,245.82 | | | 11,754.18 | 13-Feb-15 |
| Trincomalee Integrated Urban Development | 8453/PP | 30-Sep-13 | 500,000.00 | | 214,082.13 | 1.89 | 214,084.02 | | | 285,915.98 | 30-Jun-16 |
| Tajikistan | | | | | | | | | | | |
| Water Resources Management in Pyanj River Basin | 8647/PP | 12-May-14 | 200,000.00 | | 179,261.35 | 20,738.65 | 200,000.00 | | | - | 14-Oct-16 |
| Timor-Leste | | | | | | | | | | | |
| Second District Capitals Water Supply Project | 8064/PP | 26-Mar-12 | 200,000.00 | | 200,000.00 | - | 200,000.00 | | | - | 31-Mar-16 |
| Uzbekistan | | | | | | | | | | | |
| Water Supply and Sanitation Services | 7240/PP | 20-Feb-09 | 850,000.00 | | 808,227.69 | - | 808,227.69 | | | 41,772.31 | 31-Jan-11 |
| Viet Nam | | | | | | | | | | | |
| Developing Benefit Sharing Mechanisms for People Adversely Affected by Power Generation Project | 4689/AO | 14-Nov-05 | 240,000.00 | | 212,351.51 | - | 212,351.51 | | | 27,648.49 | 31-Jan-11 |
| Ho Chi Minh City Water Supply Project | 7091/PP | 24-Jun-08 | 300,000.00 | | 299,323.67 | - | 299,323.67 | | | 676.33 | 31-May-13 |
| Preparing the Da Nang Water Supply Project | 7144/PP | 01-Oct-08 | 1,500,000.00 | | 1,499,476.17 | - | 1,499,476.17 | | | 523.83 | 28-Jun-13 |
| Water Resources Development in Mid-and North East Red River Delta | 7926/PP | 24-Nov-11 | 450,000.00 | | 146,595.00 | - | 146,595.00 | | | 303,405.00 | 31-Aug-14 |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct Charges
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(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|------------------------------|---------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Regional | | | | | | | | | | | |
| Improved Management of Water Resources in Central Asia | 6486/REG | 12-Sep-08 | 998,000.00 | | 866,237.32 | - | 866,237.32 | | | 131,762.68 | 31-May-14 |
| Knowledge and Innovation Support for ADB's Water Financing Program | 6498/REG | 03-Nov-08 | 7,900,000.00 | | 4,946,985.30 | 875,037.48 | 5,822,022.78 | 2,077,977.22 | 31-Dec-20 | | |
| Enabling Climate Change Responses in Asia and the Pacific - Supporting Investments in Water and Climate Change (Subproject 1) | 7581/CD | 18-Aug-10 | 1,000,000.00 | | 978,383.10 | 7,540.52 | 985,923.62 | | | 14,076.38 | 29-Jan-16 |
| Harnessing Climate Change Mitigation Initiatives to Benefit Women | 7914/CD | 15-Nov-11 | 300,000.00 | | 238,544.27 | 3,107.00 | 241,651.27 | 58,348.73 | 30-Jun-17 | | |
| Preparing a Water Supply & Sanitation Handbook for Southeast Asia | 7941/RD | 22-Nov-11 | 225,000.00 | | 195,766.49 | - | 195,766.49 | | | 29,233.51 | 30-Jun-14 |
| Innovations for More Food with Less Water | 7967/RD | 08-Dec-11 | 300,000.00 | | 299,948.63 | - | 299,948.63 | | | 51.37 | 31-Dec-15 |
| Developing Water Resources Sector Strategies in Central and West Asia | 8015/PA | 22-Dec-11 | 500,000.00 | | 499,668.88 | - | 499,668.88 | | | 331.12 | 31-Dec-15 |
| Implementing the Greater Mekong Subregion Core Agriculture Support Program (Phase 2) (Supplementary) | 8163/PA | 14-Sep-12 | 1,000,000.00 | | 11,284.17 | 318,316.04 | 329,600.21 | 670,399.79 | 31-Dec-17 | | |
| Results-Based Strategy and Sector Planning in the Pacific (2nd Suppleme | 8257/CD | 12-Dec-12 | 500,000.00 | | 170,110.83 | 114,848.28 | 284,959.11 | 215,040.89 | | | 30-Jun-17 |
| Green Cities: A Sustainable Urban Future in Southeast Asia | 8314/CD | 19-Dec-12 | 150,000.00 | | 95,283.47 | 120.51 | 95,403.98 | | | 54,596.02 | 22-Dec-16 |
| Sustainable Hydropower in Asia Publication | 8382/CD | 28-May-13 | 112,500.00 | | 87,926.51 | - | 87,926.51 | | | 24,573.49 | 21-Dec-15 |
| Women-Led Sanitation: Driving Change through ADB-CSO Partnerships | 8601/RD | 20-Dec-13 | 225,000.00 | | 64,724.00 | (43,531.00) | 21,193.00 | | | 203,807.00 | 30-Apr-16 |
| Sub Total | | | 35,321,500.00 | | 27,348,103.11 | 1,910,384.81 | 29,258,487.92 | 4,010,780.65 | | 2,052,231.43 | |
| Total TAs and Grants | | | 45,031,500.00 | | 33,617,599.32 | 2,599,517.80 | 36,217,117.12 | 5,261,561.63 | | 3,552,821.25 | |

Direct Charge (DC):

| | | | | | | | | | | | |
|---|--------------|-----------|------------|--|------------|---|------------|---|--|-----------|-----------|
| Long-term Capacity Development Support to the Ministry of Rural Development of Cambodia in the Rural Water Supply and Sanitation Sector | WFMFDC 00001 | 28-Jan-08 | 140,000.00 | | 105,035.90 | - | 105,035.90 | - | | 34,964.10 | 16-Jun-10 |
| Capacity and Performance Diagnosis of Water Supply and Sanitation Enterprises | WFMFDC 00002 | 01-Feb-08 | 55,000.00 | | 47,009.36 | - | 47,009.36 | - | | 7,990.64 | 07-Apr-09 |
| Institutional Study for Integrating Flood Risk Management into Disaster Risk Management in Assam | WFMFDC 00006 | 05-Mar-08 | 50,000.00 | | 47,992.41 | - | 47,992.41 | - | | 2,007.59 | 30-Jun-09 |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct Charges
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As of 31 December 2016
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| TA/Grant/DC Title | TA/Grant/ DC No./ Type ^{4/} | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|--|---------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Establishing the East Asia Water Utilities Network under the Water Operators Partnerships Program | WFMFDC 00007 | 30-Apr-08 | | | | - | | - | | | |
| Initial Assessment of the Metro Cebu Kotkot Dam Project | WFMFDC 00008 | 13-May-08 | 62,500.00 | | 58,350.21 | - | 58,350.21 | - | | 4,149.79 | 15-Sep-09 |
| Singapore International Water Week | WFMFDC 00009 | 16-May-08 | 215,000.00 | | 38,577.73 | - | 38,577.73 | - | | 176,422.27 | 26-Mar-09 |
| Workshop on Lakes and Wetlands Restoration and Sustainable Alternative Livelihood | WFMFDC 00010 | 27-May-08 | 20,000.00 | | 20,000.00 | - | 20,000.00 | - | | 0.00 | 9-Aug-09 |
| Pacific Water Conference 2008 | WFMFDC 00011 | 09-Jun-08 | 43,912.45 | | 43,912.45 | - | 43,912.45 | - | | 0.00 | 27-Apr-09 |
| Increasing Public Awareness and Support for Improved Urban Services: Campaign to Support Sindh Cities Improvement Investment Program | WFMFDC 00012 | 03-Jul-08 | 27,300.00 | | 25,126.26 | - | 25,126.26 | - | | 2,173.74 | 02-Oct-09 |
| Developing Design-Build-Performance Based Arrangement for Water Supply Improvements (Water Expert Services Pool: Engagement of Contract and Procurement Expert | WFMFDC 00013 | 02-Jul-08 | 25,000.00 | | 17,740.36 | - | 17,740.36 | - | | 7,259.64 | 18-Jun-09 |
| Sharing Best Practices in Water Supply and Wastewater Management | WFMFDC 00014 | 25-Jun-08 | 44,270.00 | | 27,506.89 | - | 27,506.89 | - | | 16,763.11 | 05-May-09 |
| Capacity Building Support to Kathmandu Water Supply Utility | WFMFDC 00015 | 25-Jun-08 | 140,000.00 | | 115,968.10 | - | 115,968.10 | - | | 24,031.90 | 29-Jun-10 |
| Support to WFPF Operationalization: Engagement of Facility Account Analyst | WFMFDC 00017 | 24-Jul-08 | 17,400.00 | | 13,212.89 | - | 13,212.89 | - | | 4,187.11 | 31-Aug-09 |
| Providing for Secretariat Support to Established Asia Water Utilities Network under the Water Operator Partnerships (WOPs) Program | WFMFDC 00018 | 06-Aug-08 | 50,643.88 | | 38,397.89 | - | 38,397.89 | - | | 12,245.99 | 23-Feb-12 |
| Support to India Orissa Integrated Agriculture and Water Management Investment Program (Water Expert Services Pool: Engagement of Irrigation Management Specialist and Water Users Association Specialists) | WFMFDC 00019 | 05-Aug-08 | 70,000.00 | | 64,811.25 | - | 64,811.25 | - | | 5,188.75 | 04-Jun-09 |

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|---|------------------------------|---------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Support to Northern and Central Water and Central Water Supply and Sanitation Sector Project (Water Expert Services Pool: Engagement of Water Supply Expert) | WFMFDC 00020 | 12-Aug-08 | 108,000.00 | | 96,674.20 | - | 96,674.20 | - | | 11,325.80 | 23-Jun-10 |
| Developing Knowledge Product on Community-Driven Development in Water Supply and Sanitation: Case Studies of ADB Projects in Indonesia, Nepal, and Sri Lanka | WFMFDC 00021 | 15-Aug-08 | 55,438.50 | | 43,760.26 | - | 43,760.26 | - | | 11,678.24 | 4-Aug-09 |
| Increasing Awareness and Support for Participatory Irrigation Development Through Multimedia: Production of Water Awareness Video on Participatory Approaches in Irrigation Scheme Reconstruction and Rehabilitation - Lessons from Naggroe Aceh Darussalam Indonesia | WFMFDC 00022 | 22-Aug-08 | 56,000.00 | | 55,986.85 | - | 55,986.85 | - | | 13.15 | 09-Jun-09 |
| Capacity Building of Second and Third Tier Cities for Preparing Nonsovereign Urban Infrastructure Projects in PRC | WFMFDC 00023 | 29-Aug-08 | 150,000.00 | | 84,583.41 | - | 84,583.41 | - | | 65,416.59 | 24-May-10 |
| Good Practices for Urban Water Management in Asia | WFMFDC 00026 | 15-Sep-08 | 133,919.00 | | 97,367.24 | - | 97,367.24 | - | | 36,551.76 | 12-Mar-10 |
| Water Expert Services Pool: Engagement of Environmental Specialist for Kyrgyz Sanitation | WFMFDC 00027 | 25-Sep-08 | 57,900.00 | | 47,965.68 | - | 47,965.68 | - | | 9,934.32 | 08-Oct-09 |
| Preparation of Larkana Sanitation, Drainage and Wastewater Management Strategic Action Plan and Priority Investment Program | WFMFDC 00029 | 03-Oct-08 | 92,000.00 | | 84,554.64 | - | 84,554.64 | - | | 7,445.36 | 10-Jul-10 |
| Regional Workshop on Developing Partnerships for Water and Climate Change Adaptation, Malaysia, 1-5 December, 2008 | WFMFDC 00030 | 10-Nov-08 | 94,324.00 | | 66,053.37 | - | 66,053.37 | - | | 28,270.63 | 23-Jun-09 |
| Accessing the WFMF Expert Pool Facility: Engagement of Development Communication Expert to Support: ADTA "Nepal: Strengthening Capacity for Managing Climate Change and the Environment | WFMFDC 00031 | 05-Dec-08 | 100,000.00 | | 98,509.64 | - | 98,509.64 | - | | 1,490.36 | 09-Apr-13 |
| Legal Review of Project Documents for PPP in Water Projects in India | WFMFDC 00032 | 05-Dec-08 | 150,000.00 | | 108,174.52 | - | 108,174.52 | - | | 41,825.48 | 01-Jul-11 |

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Statement of TA/Grant Expenditures and Direct Charges
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| TA/Grant/DC Title | TA/Grant/ DC No./ Type ^{4/} | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|---|--|---------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Preparation of Khairpur Wastewater Management Planning Methodology, Strategic Plan and Priority Investment Program | WFMFDC 00033 | 25-Mar-09 | 120,000.00 | | 113,433.56 | - | 113,433.56 | - | | 6,566.44 | 22-Jun-10 |
| Scoping study for CDTA "Integrated Water Resource Management in Karnataka" | WFMFDC 00034 | 8-Jun-09 | 64,000.00 | | 60,675.49 | - | 60,675.49 | - | | 3,324.51 | 18-Jan-10 |
| Preliminary Survey and Assessment for Initiating Interventions on Zhangye Wetlands Protection and Rehabilitation in Hei River Basin | WFMFDC 00035 | 8-Jun-09 | 150,000.00 | | 115,873.80 | - | 115,873.80 | - | | 34,126.20 | 11-Sep-13 |
| Pacific Water Conference and Expo 2009 | WFMFDC 00036 | 8-Jun-09 | 20,000.00 | | 19,951.63 | - | 19,951.63 | - | | 48.37 | 31-Mar-10 |
| Support to Indonesia's Preparation of National-Term Plan 2010-2014 (Water Supply and Sanitation Section Sector) | WFMFDC 00037 | 27-Jul-09 | 150,000.00 | | 17,983.31 | - | 17,983.31 | - | | 132,016.69 | 01-Oct-10 |
| Engagement of International Water Supply and Sanitation Specialist to Support Portfolio Development in Viet Nam | WFMFDC 00038 | 14-Sep-09 | 150,000.00 | | 131,816.95 | - | 131,816.95 | - | | 18,183.05 | 04-Jun-10 |
| Engagement of National Water Supply and Sanitation Specialist to Support Portfolio Development in Viet Nam | WFMFDC 00039 | 14-Sep-09 | 40,000.00 | | 31,665.32 | - | 31,665.32 | - | | 8,334.68 | 31-Oct-10 |
| Development of Flood Management Infrastructure Asset Management Information System | WFMFDC 00040 | 17-Sep-09 | 50,000.00 | | 41,791.07 | - | 41,791.07 | - | | 8,208.93 | 29-Jun-11 |
| Market Sounding with Potential Private Investors and Operators and Further Refinement of Enabling Environment for PSP in Water and Sanitation Service Provision in Mongolia's Urban Areas | WFMFDC 00041 | 18-Sep-09 | 50,000.00 | | 40,150.00 | - | 40,150.00 | - | | 9,850.00 | 07-Jul-11 |
| Support to Mekong River Commission on the Formulation of Flood Management and Mitigation Phase 2 (2011-2015) | WFMFDC 00042 | 8-Apr-10 | 75,000.00 | | 66,252.84 | - | 66,252.84 | - | | 8,747.16 | 16-Jul-12 |
| Knowledge Product and Training Program on Integrated Urban Water Management in Nanning, PRC | WFMFDC 00043 | 22-Apr-10 | 25,000.00 | | 16,526.84 | - | 16,526.84 | - | | 8,473.16 | 27-Jul-12 |
| IWRM Scoping Study for Sutlej River Basin Himachal Pradesh: Improving Capacity for Climate Change Adaptation | WFMFDC 00044 | 6-May-10 | 75,000.00 | | 62,418.87 | - | 62,418.87 | - | | 12,581.13 | 12-Jul-11 |

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| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Pilot Area Land Use Mapping of Chitagong Hill Tracts: Support to Chitagong Hill Tracts Rural Development Project II | WFMFDC 00045 | 24-May-10 | 27,999.00 | | 26,664.00 | - | 26,664.00 | - | | 1,335.00 | 09-May-12 |
| Assessment of Potential Public-Private Partnerships in the Urban Water Supply in Lao PDR | WFMFDC 00046 | 27-May-10 | 45,000.00 | | 45,000.00 | - | 45,000.00 | - | | 0.00 | 31-Mar-11 |
| Preparation of City Sanitation Strategy for 2 Cities | WFMFDC 00047 | 14-Jun-10 | 75,000.00 | | 71,130.94 | - | 71,130.94 | - | | 3,869.06 | 31-Jan-12 |
| Legal Review of PPP Contracts for North Karnataka Urban Sector Investment Program | WFMFDC 00048 | 23-Jun-10 | 30,000.00 | | 12,600.00 | - | 12,600.00 | - | | 17,400.00 | 17-Jun-13 |
| Regional Workshop on Economics of Sanitation | WFMFDC 00049 | 25-Jun-10 | 40,707.00 | | 25,917.94 | - | 25,917.94 | - | | 14,789.06 | 23-Oct-10 |
| International Conference on Payment for Watershed Services and Eco-Compensation Legislation | WFMFDC 00050 | 12-Jul-10 | 50,000.00 | | 49,037.22 | - | 49,037.22 | - | | 962.78 | 30-Jun-11 |
| Mainstreaming Water Safety Plans in ADB Projects | WFMFDC 00051 | 22-Jul-10 | 10,000.00 | | 10,000.00 | - | 10,000.00 | - | | 0.00 | 15-Jun-11 |
| Pacific Water Conference and Expo 2010 | WFMFDC 00052 | 23-Jul-10 | 70,000.00 | | 42,634.44 | - | 42,634.44 | - | | 27,365.56 | 04-Jul-11 |
| Engagement of Facility Account Analyst | WFMFDC 00053 | 1-Oct-10 | 18,000.00 | | 13,116.41 | - | 13,116.41 | - | | 4,883.59 | 02-Dec-11 |
| Development of Community Sanitation Project in Samoa | WFMFDC 00054 | 9-Mar-11 | 75,000.00 | | 74,027.76 | - | 74,027.76 | - | | 972.24 | 31-Jan-12 |
| Upstream Work for Assessing New Approaches for River Rehabilitation and Flood Management in Chuxiong Prefecture, Chongqing Municipality and Jiuquan Municipality | WFMFDC 00056 | 7-Jun-11 | 149,350.00 | | 121,447.25 | - | 121,447.25 | - | | 27,902.75 | 19-Nov-12 |
| WOPs Asia: Supporting Twinning Initiatives in the Pacific | WFMFDC 00057 | 15-Jun-11 | 50,000.00 | | 24,204.22 | - | 24,204.22 | - | | 25,795.78 | 19-Jun-13 |
| WOPs Asia: Continuing Twinning Initiatives in PRC | WFMFDC 00058 | 16-Jun-11 | 50,000.00 | | 33,436.01 | - | 33,436.01 | - | | 16,563.99 | 19-Jun-13 |
| Supporting Water Operators Partnership in Asia (WOPs Program) - Continuation of Twinning Initiatives | WFMFDC 00059 | 1-Jul-11 | 60,000.00 | | 46,048.61 | - | 46,048.61 | - | | 13,951.39 | 03-Apr-13 |

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|---|--|---------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Development of Synthesis and Draft Action Plan for Improving Water Use Efficiency of Irrigated Agriculture in Selected States in India | WFMFDC 00060 | 15-Jul-11 | 40,000.00 | | 33,634.07 | - | 33,634.07 | - | | 6,365.93 | 18-Sep-13 |
| Reg: Bridge Financing for Water Operators Partnerships (WOPS) Program Secretariat | WFMFDC 00061 | 19-Jul-11 | 50,000.00 | | 41,462.69 | - | 41,462.69 | | | 8,537.31 | 23-Feb-12 |
| Support to Evaluation of Sludge Treatment Technologies for Beijing Drainage Group in the People's Republic of China (PRC) | WFMFDC 00062 | 26-Jul-11 | 55,000.00 | | 54,347.15 | - | 54,347.15 | - | | 652.85 | 10-Oct-13 |
| Pacific Water Conference and Expo 2011 | WFMFDC 00063 | 3-Aug-11 | 50,356.15 | | 47,144.87 | - | 47,144.87 | - | | 3,211.28 | 31-Jan-12 |
| Assessment of Evaluation of Cost-Effective Wastewater Treatment Technologies for Different Applications | WFMFDC 00064 | 26-Aug-11 | 130,000.00 | | 104,974.80 | - | 104,974.80 | - | | 25,025.20 | 16-Oct-13 |
| 3rd International Conference on Eco-Compensation/Payment for Environmental Services in the Lake, Wetland and Headwater Areas and Eco-Compensation Legislation | WFMFDC 00065 | 14-Sep-11 | 50,000.00 | | 40,315.92 | - | 40,315.92 | - | | 9,684.08 | 22-May-12 |
| Sustainable Water Management for Food Security: An International Water Policy Dialogue on Advancing Water Reform in Agriculture with Focus on Indonesia | WFMFDC 00066 | 11-Oct-11 | 54,500.00 | | 15,768.71 | - | 15,768.71 | - | | 38,731.29 | 22-May-12 |
| Capacity Building on Business Management for Viet Nam's Water Supply Companies | WFMFDC 00067 | 11-Oct-11 | 75,000.00 | | 74,818.00 | - | 74,818.00 | - | | 182.00 | 17-Jun-14 |
| Support to WFPF Operationalization | WFMFDC 00068 | 21-Oct-11 | 18,000.00 | | 12,384.29 | - | 12,384.29 | - | | 5,615.71 | 18-Jun-13 |
| 2011 Water Links Forum | WFMFDC 00069 | 24-Oct-11 | 70,000.00 | | 31,555.02 | - | 31,555.02 | - | | 38,444.98 | 16-Jun-12 |
| Production of Asian Water Development Outlook 2011 | WFMFDC 00070 | 26-Oct-11 | 42,500.00 | | 34,498.07 | - | 34,498.07 | - | | 8,001.93 | 09-Sep-13 |
| Facilitating ADB's Long-Term Involvement in Water Source Development for Metro Manila | WFMFDC 00071 | 4-Nov-11 | 31,000.00 | | 28,101.68 | - | 28,101.68 | - | | 2,898.32 | 08-Oct-13 |

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| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Production of Videos for the 2nd Asia-Pacific Water Summit | WFMFDC 00072 | 9-Nov-11 | 40,740.00 | | 35,069.30 | - | 35,069.30 | - | | 5,670.70 | 17-Jun-13 |
| Development of NRW Management Action Plan for Beijing Water Supply Group | WFMFDC 00073 | 19-Dec-11 | 55,000.00 | | 48,810.32 | - | 48,810.32 | - | | 6,189.68 | 10-Oct-13 |
| Supporting Improved Flood and Water Resources Management | WFMFDC 00074 | 19-Dec-11 | 46,500.00 | | 32,468.86 | - | 32,468.86 | - | | 14,031.14 | 12-Sep-13 |
| WOPs Asia: Continuing Twinning Partnership in Uzbekistan | WFMFDC00075 | 31-Jan-12 | 40,750.00 | | 31,439.86 | - | 31,439.86 | - | | 9,310.14 | 27-Mar-13 |
| Advancement of Institutional Reform Actions Toward Holistic Water Resources Management at State Ans Selected River Basins in Karnataka | WFMFDC00076 | 2-Apr-12 | 150,000.00 | | 102,288.75 | - | 102,288.75 | - | | 47,711.25 | 31-Jul-14 |
| Support for the Implementation of the National Water Mission by State Governments in India | WFMFDC00077 | 11-Apr-12 | 150,000.00 | | 149,841.98 | - | 149,841.98 | - | | 158.02 | 26-Jan-16 |
| Assessing the Water Resource Development Potential of Cholistan Region | WFMFDC00078 | 23-Jul-12 | 150,000.00 | | 113,480.39 | - | 113,480.39 | - | | 36,519.61 | 20-Dec-13 |
| Pacific Water Conference and Expo 2012 | WFMFDC00079 | 6-Aug-12 | 75,000.00 | | 60,288.81 | - | 60,288.81 | - | | 14,711.19 | 28-Jun-13 |
| Preparation of a Damage and Needs Assessment Report for Drought Affected Areas in Sri Lanka and Preparation of an Emergency Loan | WFMFDC00080 | 28-Aug-12 | 80,000.00 | | 30,259.85 | - | 30,259.85 | - | | 49,740.15 | 09-Sep-13 |
| Support to WFPF Operationalization: Engagement of Facility Account Analyst | WFMFDC00081 | 11-Sep-12 | 18,000.00 | | 13,988.74 | - | 13,988.74 | - | | 4,011.26 | 13-Nov-13 |
| Defining the Angat Tunnel Rehabilitation Works | WFMFDC00082 | 10-Nov-12 | 30,000.00 | | 20,646.15 | - | 20,646.15 | - | | 9,353.85 | 30-Sep-13 |
| Selection and Cost-Effective Technology for Treatment of Sludge Produced by Drinking Water Treatment Plants of Ho Chi Minh City | WFMFDC00083 | 23-Nov-12 | 100,000.00 | | 99,122.56 | - | 99,122.56 | - | | 877.44 | 19-Dec-14 |
| Assessing and Developing innovative Financing for the Philippine National Sewerage and Septage Management Program | WFMFDC00084 | 23-Nov-12 | 45,500.00 | | 41,904.93 | - | 41,904.93 | - | | 3,595.07 | 23-Apr-15 |

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| Supporting MWSS New Water Source Development for Metro Manila | WFMFDC00086 | 29-Nov-12 | 31,000.00 | | 30,190.02 | - | 30,190.02 | - | | 809.98 | 05-Jun-14 |
| Mainstreaming Water Safety Plan in PPTA for Ulaanbaatar Urban Services and Ger Areas Development Investment Program | WFMFDC00087 | 29-Nov-12 | 30,000.00 | | 21,447.03 | - | 21,447.03 | - | | 8,552.97 | 26-Mar-15 |
| Support to the Development of Community-Based Flood Forecasting and Early Warning System | WFMFDC00088 | 5-Dec-12 | 225,000.00 | | 224,922.61 | - | 224,922.61 | - | | 77.39 | 23-Apr-15 |
| Water Awareness Educational Program | WFMFDC00089 | 19-Dec-12 | 30,000.00 | | 26,651.71 | - | 26,651.71 | - | | 3,348.29 | 19-Dec-13 |
| Supporting the Preparation of Kamataka Integrated Sustainable Water Resources Management Investment Program | WFMFDC00090 | 18-Feb-13 | 225,000.00 | | 224,999.53 | - | 224,999.53 | - | | 0.47 | 22-Apr-15 |
| Development of Non Revenue Water Management Action Plan for State Committee for Water Economy of Armenia | WFMFDC00091 | 18-Feb-13 | 220,000.00 | | 164,195.29 | - | 164,195.29 | - | | 55,804.71 | 24-Apr-15 |
| Support Technical Assistance on Stormwater Retention Ponds Design for TA 7891-PRC: Yunnan Chuxiong Urban Environment Improvement Project | WFMFDC00092 | 18-Mar-13 | 55,000.00 | | 40,870.57 | - | 40,870.57 | - | | 14,129.43 | 26-Jan-16 |
| Support to Climate Risk Assessment and Adaptation Planning for the MFF Loan for Climate Adaptation through Sub-Basin Development Investment Program | WFMFDC00093 | 4-Apr-13 | 30,000.00 | | 11,515.60 | - | 11,515.60 | - | | 18,484.40 | 23-Jul-15 |
| Review of LWUA's Competitive Position: Support to Preparation of Water District Development Sector Project | WFMFDC00094 | 19-Apr-13 | 22,350.00 | | 20,590.46 | - | 20,590.46 | - | | 1,759.54 | 23-Apr-15 |
| Non-Revenue Water Survey and Design for Guangdong Chaonan Water Resources Development and Protection Demonstration Project | WFMFDC00095 | 19-Apr-13 | 36,000.00 | | 34,942.76 | - | 34,942.76 | - | | 1,057.24 | 25-Nov-15 |
| In-Country Workshops on Promoting Innovations in Wastewater Management | WFMFDC00096 | 15-May-13 | 220,400.00 | | 137,849.20 | - | 137,849.20 | - | | 82,550.80 | 23-Sep-15 |

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| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Developing an Integrated Approach to Coastal Protection: Support to the Development of Urban Environment and Climate Change Adaptation Project | WFMFDC00098 | 29-May-13 | 100,000.00 | | 68,177.14 | - | 68,177.14 | - | | 31,822.86 | 23-Feb-16 |
| Support to the Preparation of Darkhan Wastewater Management Improvement Project: Additional Financing for MON: Urban Development Sector Project | WFMFDC00100 | 17-Jul-13 | 200,000.00 | | 190,753.30 | - | 190,753.30 | - | | 9,246.70 | 16-Feb-16 |
| Pacific Water Conference and Expo 2013 | WFMFDC00101 | 10-Sep-13 | 70,000.00 | | 70,000.00 | - | 70,000.00 | - | | 0.00 | 17-Mar-15 |
| Support to WFPF Operationalization: Engagement of Facility Account Analyst | WFMFDC00102 | 17-Sep-13 | 19,200.00 | | 15,308.61 | - | 15,308.61 | - | | 3,891.39 | 19-Nov-14 |
| Project Implementation Support: Improving Performance of Water Supply and Sanitation Projects in Kyrgyz Republic | WFMFDC00103 | 23-Sep-13 | 145,000.00 | | 70,322.53 | - | 70,322.53 | - | | 74,677.47 | 23-Jan-15 |
| Supporting Sanitation and Waste water Management Pipeline Management Expert System (WAMEX) Development Through: Intensive Training on Wastewater | WFMFDC00104 | 5-Nov-13 | 59,850.00 | | 40,731.96 | - | 40,731.96 | - | | 19,118.04 | 02-Jul-14 |
| Development of Public-Private Funding Mechanism for Chishui Watershed Protection | WFMFDC00105 | 28-Nov-13 | 200,000.00 | | 181,928.29 | - | 181,928.29 | - | | 18,071.71 | 18-Sep-15 |
| Pre-Implementation Support to Ulaanbaatar Urban Services and Ger Areas Development Investment Program | WFMFDC00106 | 12-Dec-13 | 75,000.00 | | 59,758.17 | 2,680.00 | 62,438.17 | - | | 12,561.83 | 16-Feb-16 |
| Project Implementation Support: Establishment and Operationalization of Kolkata's Municipal Council Financial Management Unit | WFMFDC00107 | 20-Jan-14 | 200,000.00 | | 125,922.87 | 12,732.93 | 138,655.80 | | | 61,344.20 | 12-Apr-16 |
| Assisting PSOD in Conducting Technical, Market, and Valuation Due Diligence for the Proposed Equity Investment in Driptech for Affordable Drip Irrigation | WFMFDC00108 | 24-Feb-14 | 80,000.00 | | 69,439.87 | - | 69,439.87 | - | | 10,560.13 | 26-Jan-16 |
| Improving the Social Dimension of Flood Risk Management | WFMFDC00109 | 4-Mar-14 | 120,000.00 | | 69,324.05 | - | 69,324.05 | - | | 50,675.95 | 25-Jan-16 |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct Charges
Water Financing Partnership Facility
As of 31 December 2016
(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type ^{4/} | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|--|---------------------|---|------------------------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Support to WFPF Operationalization: Engagement of Facility Account Analyst | WFMFDC00110 | 5-Sep-14 | 20,100.00 | | 15,131.32 | - | 15,131.32 | - | | 4,968.68 | 05-Nov-15 |
| WFPF External Evaluation: Engagement of International Evaluation Consultant | WFMFDC00111 | 25-Nov-14 | 75,000.00 | | 55,875.00 | - | 55,875.00 | - | | 19,125.00 | 05-Nov-15 |
| Support to the Twinning Program under the Azerbaijan Water Supply and Sanitation Investment Program | WFMFDC00112 | 24-Jul-15 | 150,000.00 | | - | 60,002.00 | 60,002.00 | 89,998.00 | | | |
| Preparing Results-Based Lending to Support India's National Swachh Bharat (Clean India) Mission for Urban Areas | WFMFDC00113 | 3-Sep-15 | 225,000.00 | | - | 37,571.89 | 37,571.89 | 187,428.11 | | | |
| Support to WFPF Operationalization: Engagement of Facility Account Analyst | WFMFDC00114 | 10-Sep-15 | 20,700.00 | | 3,609.35 | 10,392.55 | 14,001.90 | | | 6,698.10 | 04-Nov-16 |
| Support for Developing Design-Build-Operate Contract for Desalination Plant: Additional Financing for Jaffna Kilinochchi Water Supply and Sanitation Project | WFMFDC00115 | 29-Dec-15 | 225,000.00 | | - | 66,867.94 | 66,867.94 | 158,132.06 | | | |
| WFPF Program Quality Support Window: Support to WFPF Operationalization- Engagement of Facility Account Analyst | WFMFDC00116 | 25-Aug-16 | 21,312.00 | | - | 2,079.87 | 2,079.87 | 19,232.13 | | | |
| Bridge Financing for Water Operators Partnerships(WOPs) Program | WFMFDC00117 | 10-Oct-16 | 225,000.00 | | - | - | - | 225,000.00 | | | |
| Sub Total | | | 8,682,421.98 | | 6,034,149.00 | 192,327.18 | 6,226,476.18 | 679,790.30 | | 1,776,155.50 | |
| TOTAL APPROVED and EFFECTIVE PROJECTS | | | 53,713,921.98 | 52,048,947.72 ^{3/} | 39,651,748.32 | 2,791,844.98 | 42,443,593.30 | 5,941,351.93 | | 5,328,976.75 | |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct Charges
Water Financing Partnership Facility
As of 31 December 2016
(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Amount Received | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|-------------------|------------------------------|---------------------|---|--------------------|---|--------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |

Add:

Approved But Not Yet Effective Projects

Technical Assistance Linked to Loan (TALL):

Philippines

| | | | | | | | | | | |
|--|---------|-----------|----------------------|--|--|--|--|--|--|--|
| Water District Development Sector Project | 9103/CD | 22-Apr-16 | 500,000.00 | | | | | | | |
| Sub Total | | | 500,000.00 | | | | | | | |
| TOTAL APPROVED BUT NOT YET EFFECTIVE PROJECTS | | | 500,000.00 | | | | | | | |
| GRAND TOTAL | | | 54,213,921.98 | | | | | | | |

Contributions received:

| | | |
|---------------------------|---------------|---------------------------------------|
| Government of Australia | AUD25,000,000 | \$ 24,209,500.00 |
| Government of Austria | USD 5,000,000 | 5,000,000.00 |
| Government of Austria | EUR 2,600,000 | 3,467,709.28 |
| Government of Norway | NOK30,000,000 | 4,669,104.35 |
| Government of Spain | USD 9,500,000 | 9,500,000.00 |
| Government of Switzerland | CHF 4,800,000 | 5,202,634.09 |
| | | \$ 52,048,947.72 ^{3/} |

^{1/} US\$ equivalent of TA/ Grant/Direct Charges at time of TA approval.

^{2/} Actual disbursements.

^{3/} Represents actual US\$ equivalent of contributions received.

^{4/} TA/DC Types: PP = Project Preparatory; AO = Advisory; PA = Policy and Advisory; CD = Capacity Development; REG = Regional; WFMFDC = Water Financing Multidonor Fund Direct Charge

ASIAN DEVELOPMENT BANK
ADMINISTRATOR FOR
GOVERNMENT OF NETHERLANDS
WATER FINANCING PARTNERSHIP FACILITY
CHANNEL FINANCING AGREEMENT

STATUS OF GRANT
as of 31 December 2016
(Expressed in US Dollars)

| | | |
|---|-----------------------------------|-----------------------------|
| TOTAL CONTRIBUTION COMMITTED | | 34,753,000.00 ^{a/} |
| Amount received | 28,842,000.00 | |
| Receivable | <u>5,911,000.00</u> ^{b/} | |
| Interest income - cash in bank | 99,919.55 | |
| Interest income - investments | 113,789.68 | |
| Gain (loss) on foreign exchange transactions | <u>(12,945.82)</u> | <u>200,763.41</u> |
| TOTAL AMOUNT AVAILABLE | | 34,953,763.41 |
| Amounts utilized for: | | |
| Project expenditures (Statement 2) | | |
| Grant component of investment (GCI) | (1,914,890.03) | |
| Technical assistance linked to loan (TALL) | (60,000.00) | |
| Technical assistance (TA) | (17,849,482.39) | |
| Direct charges | (2,891,076.59) | |
| ADB administration cost | (933,771.95) ^{d/} | |
| Financial expenses | <u>(3,530.99)</u> | <u>(23,652,751.95)</u> |
| UNUTILIZED BALANCE | | 11,301,011.46 ^{c/} |
| Outstanding commitments | (8,693,223.34) | |
| Reserve for ADB administration cost | (424,912.23) ^{d/} | |
| Undisbursed direct charges | <u>(544,935.84)</u> | <u>(9,663,071.41)</u> |
| UNCOMMITTED BALANCE | | 1,637,940.05 |
| TA approved but not yet effective | | |
| TA 9283/PP - City Region Development Project II | (212,500.00) | |
| Reserve for ADB administration cost | <u>(10,625.00)</u> ^{d/} | <u>(223,125.00)</u> |
| UNCOMMITTED BALANCE AVAILABLE FOR NEW COMMITMENTS | | <u>1,414,815.05</u> |

^{a/} Represents the actual US\$ equivalent of contribution committed.

^{b/} Undrawn contribution represents the amount of promissory notes received from the Government of Netherlands.

^{c/} Represented by:

| | |
|----------------------|----------------------------|
| Cash in bank | 4,307,851.25 |
| Undrawn contribution | 5,911,000.00 ^{b/} |
| Advances | 1,215,313.60 |
| Interfund receivable | 2,167.81 |
| Interfund payable | <u>(135,321.20)</u> |
| | <u>11,301,011.46</u> |

^{d/} Represents 5% and 2% of project expenditures/outstanding commitments/approved not yet effective.

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct charges
Water Financing Partnership Facility - Netherlands
As of 31 December 2016

(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type ^{4/} | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | | |
|---|--|---------------------|---|---|-------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|-----------|
| | | | | Cumulative up to 31/12/2015 | Transactions 1/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date | |
| | | | (A) | (B) | (C) | (D) | (E) = (C) + (D) | (F) = (A) - (E) | (G) | (H) = (A) - (E) | (I) |
| APPROVED and EFFECTIVE PROJECTS | | | | | | | | | | | |
| Grant Component of Investment (GCI): | | | | | | | | | | | |
| Sri Lanka | | | | | | | | | | | |
| Dry Zone Urban Water and Sanitation Project | 0130/SRI | 28-Nov-08 | 2,000,000.00 | | 1,675,035.58 | - | 1,675,035.58 | 324,964.42 | 31-Dec-16 | | |
| Viet Nam | | | | | | | | | | | |
| Thanh Hoa City Comprehensive Socioeconomic Development Project | 0147/VIE | 5-Mar-09 | 800,000.00 | | 239,854.45 | - | 239,854.45 | - | | 560,145.55 | 6-Sep-12 |
| Sub Total | | | 2,800,000.00 | | 1,914,890.03 | - | 1,914,890.03 | 324,964.42 | | 560,145.55 | |
| Technical Assistance Linked to Loan (TALL): | | | | | | | | | | | |
| China, People's Republic of | | | | | | | | | | | |
| Strengthening Flood Management Sustainability in Hunan Province | 4813/AO | 29-Jun-06 | 60,000.00 | | 60,000.00 | - | 60,000.00 | - | | - | 9-Oct-13 |
| Sub Total | | | 60,000.00 | | 60,000.00 | - | 60,000.00 | - | | - | |
| Technical Assistance (TA): | | | | | | | | | | | |
| Afghanistan | | | | | | | | | | | |
| Supporting Natural Resources Operations | 7994/CD | 14-Dec-11 | 2,175,000.00 | | 1,354,793.30 | 86,206.82 | 1,441,000.12 | 733,999.88 | 31-Dec-17 | | |
| Bangladesh | | | | | | | | | | | |
| Coastal Towns Infrastructure Improvement Project | 8128/PP | 06-Aug-12 | 500,000.00 | | 426,863.82 | - | 426,863.82 | | | 73,136.18 | 31-Oct-14 |
| Irrigation Management Improvement Investment Program | 8154/PP | 06-Sep-12 | 275,000.00 | | 249,593.73 | - | 249,593.73 | | | 25,406.27 | 30-Mar-15 |
| Establishing a Regulatory Framework for Urban Water Supply and Sanitation | 8320/PA | 28-Jan-13 | 250,000.00 | | 250,000.00 | - | 250,000.00 | | | - | 31-Dec-15 |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct charges
Water Financing Partnership Facility - Netherlands
As of 31 December 2016

(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type ^{4/} | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|--|---------------------|---|---|-------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | Cumulative up to 31/12/2015 | Transactions 1/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| China, People's Republic of | | | | | | | | | | |
| Implementing the National Flood Management Strategy | 7049/AO | 20-Dec-07 | 300,000.00 | 300,000.00 | - | 300,000.00 | - | | - | 31-Oct-11 |
| Indonesia | | | | | | | | | | |
| Improving Water Planning, Management and Development | 8432/PA | 09-Aug-13 | 1,500,000.00 | 1,227,545.59 | - | 1,227,545.59 | | | 272,454.41 | 22-Dec-15 |
| Myanmar | | | | | | | | | | |
| Third Greater Mekong Subregion Corridor Town Development | 8758/PP | 17-Nov-14 | 475,000.00 | 150,860.00 | 199,140.00 | 350,000.00 | 125,000.00 | 30-Apr-17 | | |
| Nepal | | | | | | | | | | |
| Improved Water Quality, Sanitation, and Service Delivery in Emerging Towns Sector Development Program | 4972/PP | 28-Sep-07 | 120,000.00 | 119,707.05 | - | 119,707.05 | | | 292.95 | 31-Jan-10 |
| Secondary Towns Integrated Urban Environmental Improvement Project | 7182/PP | 2-Dec-08 | 146,000.00 | 146,000.00 | - | 146,000.00 | - | | | 31-Aug-11 |
| Viet Nam | | | | | | | | | | |
| HUE Water Supply Project | 7089/PP | 13-Jun-08 | 1,500,000.00 | 1,489,758.72 | - | 1,489,758.72 | | | 10,241.28 | 28-Dec-11 |
| Hai Phong Water Supply Project | 7151/PP | 20-Oct-08 | 1,000,000.00 | 988,272.40 | - | 988,272.40 | | | 11,727.60 | 15-Oct-12 |
| Capacity Building for River Basin Water Resources Planning | 7629/CD | 28-Oct-10 | 200,000.00 | - | - | - | - | | 200,000.00 | 31-Jul-14 |
| Improving Operational Performance of the Water Supply Project | 8357/CD | 24-Apr-13 | 1,420,000.00 | 985,649.92 | 188,696.18 | 1,174,346.10 | 245,653.90 | 31-Dec-18 | | |
| Secondary Cities Development Program (Green Cities) | 8671/PP | 27-Jun-14 | 300,000.00 | 103,106.69 | 104,340.94 | 207,447.63 | 92,552.37 | 30-Jun-17 | | |
| Water Efficiency Improvement in Drought Affected Provinces | 9147/PP | 1-Aug-16 | 250,000.00 | | 15,276.00 | 15,276.00 | 234,724.00 | 30-Sep-17 | | |
| Regional | | | | | | | | | | |
| Mekong Water Supply and Sanitation Project | 6484/REG | 8-Sep-08 | 300,000.00 | 300,000.00 | - | 300,000.00 | | | - | 17-Nov-10 |
| Knowledge and Innovation Support for ADB's Water Financing Program | 6498/REG | 3-Nov-08 | 16,100,000.00 | 6,468,456.14 | 2,695,215.09 | 9,163,671.23 | 6,936,328.77 | 31-Dec-20 | | |
| Sub Total | | | 26,811,000.00 | 14,560,607.36 | 3,288,875.03 | 17,849,482.39 | 8,368,258.92 | | 593,258.69 | |
| Total (GCI, TALL and TA) | | | 29,671,000.00 | 16,535,497.39 | 3,288,875.03 | 19,824,372.42 | 8,693,223.34 | | 1,153,404.24 | |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct charges
Water Financing Partnership Facility - Netherlands
As of 31 December 2016

(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type ^{4/} | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|---|--|---------------------|---|---|-------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | Cumulative up to 31/12/2015 | Transactions 1/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Direct Charge (DC): | | | | | | | | | | |
| Increasing Awareness and Support for Rural Water Supply through Production of Video on South Asia Rural Water Supply and Sanitation Experience | WFSFDC 00001 | 24-Mar-08 | 85,000.00 | 84,947.28 | - | 84,947.28 | | | 52.72 | 23-Mar-09 |
| Sector Review and Assessment of Improved Water and Sanitation Service Provision in Urban Areas | WFSFDC 00002 | 3-Apr-08 | 200,000.00 | 199,207.86 | - | 199,207.86 | | | 792.14 | 31-Aug-09 |
| Training- Workshop on "New Concepts in Integrated Management of Urban Water Cycle" | WFSFDC 00003 | 30-Apr-08 | 77,687.00 | 53,367.20 | - | 53,367.20 | | | 24,319.80 | 27-Apr-09 |
| Pilot and Demonstration Activity: Demonstrating Application of Vetiver System for Slope Stabilization and Erosion Control in Citarum Riparian Communities | WFSFDC 00004 | 16-Apr-08 | 50,000.00 | 44,006.95 | - | 44,006.95 | | | 5,993.05 | 29-Oct-10 |
| Pilot and Demonstration Activity: Learning from Agriculture- Developing and Demonstrating Sustainable Wetlands Planning and Management in Jiangsu Yancheng Wetlands | WFSFDC 00005 | 26-Feb-08 | 50,000.00 | 49,992.86 | - | 49,992.86 | - | | 7.14 | 29-Oct-10 |
| Developing Sustainable Water Monitoring and Ecological Payment System | WFSFDC 00006 | 13-May-08 | 200,000.00 | 175,063.83 | - | 175,063.83 | - | | 24,936.17 | 28-Jun-10 |
| O&M Study of Small Scale Water Resources Project | WFSFDC 00007 | 13-May-08 | 61,000.00 | 51,811.71 | - | 51,811.71 | - | | 9,188.29 | 21-May-09 |
| Developing a Plan for Corporatizing Provincial Nam Papas in LAO PDR | WFSFDC 00009 | 9-Jun-08 | 95,600.00 | 66,986.85 | - | 66,986.85 | - | | 28,613.15 | 20-May-09 |
| Catalyzing Performance Benchmarking of River Basin Organizations in Indonesia | WFSFDC 00010 | 16-Jun-08 | 59,454.69 | 59,454.69 | - | 59,454.69 | - | | 0.00 | 17-Jun-09 |
| Support for Start-up of North Sindh Urban Services Corporation Operations | WFSFDC 00011 | 16-Dec-08 | 134,000.00 | 90,637.18 | - | 90,637.18 | - | | 43,362.82 | 22-Jun-10 |
| Quinghai Pasture Conservation Using Solar Photovoltaic (PV) - Driven Irrigation | WFSFDC 00012 | 6-Jan-09 | 85,500.00 | 72,692.62 | - | 72,692.62 | - | | 12,807.38 | 7-Jun-11 |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct charges
Water Financing Partnership Facility - Netherlands
As of 31 December 2016

(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type ^{4/} | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|---|--|---------------------|---|---|-------------------------------|---------------------------------|----------------------------|--|-----------------------------------|---------------------------------|
| | | | | Cumulative up to 31/12/2015 | Transactions 1/01-31/12/16 | Cumulative up to 31/12/16 | | | Unused Commitment (Savings) | Financial Completion Date |
| Support to WFPF Operationalization: Engagement of Facility Account Analyst | WFSFDC 00013 | 28-Jul-09 | 17,400.00 | 15,907.67 | - | 15,907.67 | - | | 1,492.33 | 18-Nov-10 |
| Water Expert Pool: Engagement of International Rural Water Supply and Sanitation Specialist to Support Portfolio Development in Viet Nam | WFSDC 00014 | 14-Sep-09 | 110,000.00 | 96,994.74 | - | 96,994.74 | - | | 13,005.26 | 20-Sep-10 |
| Formulation of Output-Based Aid (OBA) Mechanism under the Second Small Towns Water Supply and Sanitation Sector Project | WFSDC 00015 | 23-Feb-10 | 75,000.00 | 62,572.15 | - | 62,572.15 | - | | 12,427.85 | 23-Jun-11 |
| Preparation of Private Sector Development Framework to Da Nang and Ho Chi Minh | WFSDC 00016 | 01-Mar-11 | 50,000.00 | 49,894.08 | - | 49,894.08 | - | | 105.92 | 3-Nov-11 |
| Strengthening Integrated River Basin Management in Viet Nam | WFSDC 00017 | 12-Sep-11 | 150,000.00 | 138,640.02 | - | 138,640.02 | - | | 11,359.98 | 27-Dec-13 |
| Developing Small Town Sanitation Strategies in Hue Province | WFSDC 00018 | 06-Oct-11 | 50,000.00 | 47,283.82 | - | 47,283.82 | - | | 2,716.18 | 8-Sep-12 |
| Review of the Impact of the Viet Nam Government's Waiver of the Irrigation Service | WFSDC 00019 | 23-Mar-12 | 150,000.00 | 130,910.81 | - | 130,910.81 | - | | 19,089.19 | 24-Feb-14 |
| Support to the Government in Formulating Reservoir Operating Rules for Priority River Systems in Viet Nam | WFSDC 00020 | 17-Sep-12 | 100,000.00 | 52,160.40 | - | 52,160.40 | - | | 47,839.60 | 27-Nov-13 |
| Support to Preparation of Additional Financing for the Southwest Area Integrated Water Resources Planning and Management Project | WFSDC 00021 | 21-Feb-14 | 225,000.00 | 215,151.38 | 9,305.08 | 224,456.46 | - | | 543.54 | 7-Nov-16 |
| Support to Metropolitan Sanitation Management Investment Project: Audit and Design Review Advice for Jambi and Pekanbaru Detailed Engineering Designs | WFSDC 00022 | 13-Oct-14 | 225,000.00 | 112,725.57 | 93,410.57 | 206,136.14 | 18,863.86 | | | |
| WFPF External Evaluation: Engagement of National Evaluation Assistant | WFSDC 00023 | 25-Nov-14 | 25,000.00 | 12,023.25 | - | 12,023.25 | - | | 12,976.75 | 16-Feb-16 |

ASIAN DEVELOPMENT BANK
Statement of TA/Grant Expenditures and Direct charges
Water Financing Partnership Facility - Netherlands
As of 31 December 2016

(Expressed in US Dollars)

| TA/Grant/DC Title | TA/Grant/ DC No./ Type ^{4/} | Date of Approval | TA/Grant Direct Charge Amount ^{1/} | Project Expenditures/Direct Charges ^{2/} | | | Outstanding Commitments | Expected TA/Grant Completion Date | Completed TAs/Grants/DCs | |
|--|--|---------------------|---|---|-------------------------------|---------------------------------|----------------------------|--|---------------------------------------|---------------------------------|
| | | | | Cumulative up to 31/12/2015 | Transactions 1/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| Support to the Preparation of Basin and Rural Water Investments | WFSDC 00024 | 21-Jan-15 | 225,000.00 | 83,291.55 | 101,020.86 | 184,312.41 | 40,687.59 | | | |
| Implementing Start-Up Support for PPP under the Irrigation Management Improvement Project | WFSDC 00025 | 26-Jan-15 | 125,000.00 | 9,884.94 | 58,142.83 | 68,027.77 | 56,972.23 | | | |
| Engagement in Policy Dialogue for Improved Irrigation and Drainage Support | WFSDC 00026 | 08-Jul-15 | 225,000.00 | 43,777.49 | 135,667.46 | 179,444.95 | 45,555.05 | | | |
| Support to Preparation of Improved Food Security and Irrigation Management Results-Based Lending | WFSDC 00027 | 30-Jul-15 | 182,000.00 | 26,728.24 | 118,837.39 | 145,565.63 | 36,434.37 | | | |
| Emergency Support for Chin State Livelihoods Restoration | WFSDC 00028 | 01-Oct-15 | 225,000.00 | 19,987.46 | 158,540.91 | 178,528.37 | 46,471.63 | | | |
| Technical Support for Advanced Project Processing of Dhaka Water Supply Network Improvement Project | WFSDC 00029 | 19-Oct-15 | 225,000.00 | - | 64,325.45 | 64,325.45 | 160,674.55 | | | |
| Support to Preparation of Irrigation Management Improvement Project II: Social Analysis of Water Management in the Ganges Kobadak and Teesta Barrange Irrigation Schemes | WFSDC 00030 | 17-Dec-15 | 225,000.00 | - | 85,723.44 | 85,723.44 | 139,276.56 | | | |
| Total DC | | | 3,707,641.69 | 2,066,102.60 | 824,973.99 | 2,891,076.59 | 544,935.84 | 271,629.26 | | |
| TOTAL APPROVED and EFFECTIVE PROJECTS | | | 33,378,641.69 | 28,842,000.00 ^{3/} | 18,601,599.99 | 4,113,849.02 | 22,715,449.01 | 9,238,159.18 | 1,425,033.50 | |
| Add: Approved TA but not yet effective | | | | | | | | | | |
| Bangladesh | | | | | | | | | | |
| City Region Development Project II | 9283/PP | 15-Dec-16 | 212,500.00 | | | | | | | |
| TOTAL | | | 33,591,141.69 | | | | | | | |

^{1/} US\$ equivalent of TA, Grant and Direct Charges at time of approval.

^{2/} Actual disbursements.

^{3/} Represents actual US\$ equivalent of contributions received.

^{4/} TA Types: PP = Project Preparatory; AO = Advisory; REG = Regional; CD = Capacity and Development; WFSDC = Water Facility Single-donor Direct Charge

Statement 1

ASIAN DEVELOPMENT BANK
ADMINISTRATOR FOR
SANITATION FINANCING PARTNERSHIP TRUST FUND
BILL & MELINDA GATES FOUNDATION
CHANNEL FINANCING AGREEMENT

STATUS OF GRANT
As of 31 December 2016
(Expressed in Thousands of US Dollars)

| | | |
|--|---------------------|----------------------|
| TOTAL CONTRIBUTION COMMITTED | | |
| Amount received | 13,000 | |
| Receivable | <u>2,000</u> | 15,000 |
| Interest income - investments | 39 | |
| Gain (loss) on foreign exchange transactions | <u>(2)</u> | <u>37</u> |
| TOTAL AMOUNT AVAILABLE | | 15,037 |
| Amounts utilized for: | | |
| Project expenditures (Statement 2) | | |
| Technical assistance (TA) | (1,094) | |
| Direct charges | (384) | |
| ADB administration cost | (55) ^{b/} | |
| Financial expenses | <u>(0)</u> | <u>(1,533)</u> |
| UNUTILIZED BALANCE | | 13,504 ^{a/} |
| Outstanding commitments | (9,273) | |
| Reserve for ADB administration cost | (464) ^{b/} | |
| Undisbursed direct charges | <u>(135)</u> | <u>(9,872)</u> |
| BALANCE AVAILABLE FOR FURTHER COMMITMENTS | | <u><u>3,632</u></u> |

As applicable, non-US dollar currencies are expressed in thousands. Undrawn contributions in local currency are translated at the applicable exchange rate as of reporting date.

0 = less than \$500.

^{a/} Represented by:

| | |
|----------------------|----------------------|
| Cash in bank | 1,025 |
| Investments | 10,137 |
| Accrued interest | 1 |
| Undrawn contribution | 2,000 |
| Advances | 346 |
| Interfund payable | <u>(5)</u> |
| | <u><u>13,504</u></u> |

^{b/} Represents five percent (5%) of project expenditures/outstanding commitments.

ASIAN DEVELOPMENT BANK
Statement of TA Expenditures - Sanitation Financing Partnership Trust Fund
As of 31 December 2016

(Expressed in US dollars)

| TA Title | TA/DC No./Type ^{4/} | Date of Approval | TA/DC Amount ^{1/} | Amount Received | Project Expenditures ^{2/} | | | Outstanding Commitments | Expected TA Completion Date | Completed TA | |
|---|------------------------------|------------------|----------------------------|-----------------|------------------------------------|-----------------------------|---------------------------|-------------------------|-----------------------------|---------------------------------|---------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | Cumulative up to 31/12/16 | | | Unutilized Commitment (Savings) | Financial Completion Date |
| | | | (A) | (B) | (C) | (D) | (E) = (C) + (D) | (F) = (A) - (E) | (G) | (H) = (A) - (E) | (I) |
| Sanitation Financing Partnership Trust Fund | | | | | | | | | | | |
| Technical Assistance (TA): | | | | | | | | | | | |
| Regional | | | | | | | | | | | |
| Knowledge and Innovation Support for ADB's Water Financing Program | 6498/RETA | 3-Nov-08 | 2,000,000.00 | | 249,691.96 | 167,188.13 | 416,880.09 | 1,583,119.91 | 31-Dec-20 | | |
| South Asia Urban Knowledge Hub | 8568/CD | 13-Dec-13 | 500,000.00 | | 153,367.23 | 56,275.04 | 209,642.27 | 290,357.73 | 05-Jun-17 | | |
| Bangladesh | | | | | | | | | | | |
| Third Urban Governance & Infrastructure Improvement Sector Project | 8339/PP | 15-Mar-13 | 560,000.00 | | - | 467,105.64 | 467,105.64 | | | 92,894.36 | 31-Aug-16 |
| Sub Total | | | 3,060,000.00 | | 403,059.19 | 690,568.81 | 1,093,628.00 | 1,873,477.64 | | 92,894.36 | |
| Technical Assistance Linked to Loan (TALL): | | | | | | | | | | | |
| Mongolia | | | | | | | | | | | |
| Management and Reuse of Sewage Sludge On Site Sanitation Facilities Decentralized Waste | 9100/CD | 22-Apr-16 | 1,000,000.00 | | - | - | - | 1,000,000.00 | 31-Oct-18 | | |
| Sub Total | | | 1,000,000.00 | | - | - | - | 1,000,000.00 | | - | |
| Grants: | | | | | | | | | | | |
| Bangladesh | | | | | | | | | | | |
| Coastal Towns Environmental Infrastructure Project | 0395/BAN | 27-Jun-14 | 1,600,000.00 | | - | - | - | 1,600,000.00 | 31-Dec-20 | | |
| Nepal | | | | | | | | | | | |
| Third Small Towns Water Supply and Sanitation Project | 0405/NEP | 19-Sep-14 | 1,300,000.00 | | - | - | - | 1,300,000.00 | 30-Jun-19 | | |
| India | | | | | | | | | | | |
| Rajasthan Urban Sector Development Program | 0413/IND | 24-Oct-14 | 2,000,000.00 | | - | - | - | 2,000,000.00 | 30-Jun-20 | | |
| Cambodia | | | | | | | | | | | |
| Second Rural Water Supply and Sanitation Sector | 0497/CAM | 22-Sep-16 | 1,500,000.00 | | - | - | - | 1,500,000.00 | 31-Aug-18 | | |
| Sub Total | | | 6,400,000.00 | | - | - | - | 6,400,000.00 | | - | |

ASIAN DEVELOPMENT BANK
Statement of TA Expenditures - Sanitation Financing Partnership Trust Fund
As of 31 December 2016

(Expressed in US dollars)

| TA Title | TA/DC No./Type ^{4/} | Date of Approval | TA/DC Amount ^{1/} | Amount Received | Project Expenditures ^{2/} | | Outstanding Commitments | Expected TA Completion Date | Completed TA | | |
|---|------------------------------|------------------|----------------------------|---------------------------------------|------------------------------------|-----------------------------|-------------------------|-----------------------------|---------------------------|---------------------------------|---------------------------|
| | | | | | Cumulative up to 31/12/15 | Transactions 01/01-31/12/16 | | | Cumulative up to 31/12/16 | Unutilized Commitment (Savings) | Financial Completion Date |
| | | | (A) | (B) | (C) | (D) | (E) = (C) + (D) | (F) = (A) - (E) | (G) | (H) = (A) - (E) | (I) |
| Direct Charge (DC): | | | | | | | | | | | |
| Establishment of Sanitation Technical Team for the Sanitation Financing Partnership Trust Fund | WFSFTDC00001 | 05-Dec-13 | 190,000.00 | | 52,372.53 | - | 52,372.53 | | | 137,627.47 | 14-Apr-15 |
| Plans for 4 National Centers under the Proposed South Asia Urban Knowledge Hub | WFSFTDC00002 | 19-Dec-13 | 101,500.00 | | 79,750.75 | - | 79,750.75 | | | 21,749.25 | 26-Jan-16 |
| 3rd Asian Sanitation Dialogue | WFSFTDC00003 | 22-Apr-14 | 89,700.00 | | 69,754.86 | - | 69,754.86 | | | 19,945.14 | 08-Apr-15 |
| Development of Sanitation Code for the City of Manila | WFSFTDC00004 | 20-Jan-15 | 46,200.00 | | 12,288.86 | - | 12,288.86 | 33,911.14 | | | |
| Development of Sanitation Code for Makassar | WFSFTDC00005 | 20-Jan-15 | 47,000.00 | | 41,131.07 | - | 41,131.07 | 5,868.93 | | | |
| MON: Improving On-site Sanitation in Mongolia: Support to Preparation of Mon: Managing Soil Pollution on On-site Sanitation in Ulaanbaatar's Gear Areas | WFSFTDC00006 | 18-Dec-15 | 224,510.00 | | 62,353.91 | 66,496.17 | 128,850.08 | 95,659.92 | | | |
| Sub Total | | | 698,910.00 | - | 317,651.98 | 66,496.17 | 384,148.15 | 135,439.99 | | 179,321.86 | |
| TOTAL APPROVED AND EFFECTIVE PROJECTS | | | 11,158,910.00 | USD 13,000,000.00^{3/} | 720,711.17 | 757,064.98 | 1,477,776.15 | 9,408,917.63 | | 272,216.22 | |
| GRAND TOTAL | | | 11,158,910.00 | | | | | | | | |

^{1/} US\$ equivalent of TA/Grant at the time of approval.

^{2/} Actual disbursements.

^{3/} Represents actual US\$ equivalent of contributions received.

^{4/} TA Type: RETA - Regional TA; CD - Capacity Development

AGENCY TRUST FUNDS - STATUS OF CONTRIBUTION and COMMITMENT
As of 31 December 2016

| DONOR | Commitment | Receivable in : - US Dollar - Foreign Cur (US\$ Equiv at Commitment) | Actual US\$ Received | Interest/ Investment Income | Provision for Admin. Cost | Interest Income net of Admin. Cost | RESERVE (\$) d/ | | Available Resources | TA No. | Effective TAs ^a (\$) | Contract Awarded ^{b/} (\$) | Balance Available for Further Commitments / (Shortfall) | Amounts Disbursed | Available Cash ^{c/} |
|-------|------------|---|----------------------------|-----------------------------------|------------------------------------|--|-----------------|--|------------------------|--------|---------------------------------------|---|--|----------------------|---------------------------------|
| | | | | | | | FX (15%) | Admin. Cost (5%) less Surplus / plus (Deficit of Admin. Cost) | | | | | | | |
| | | (A) | (B) | | | (C) | (D) = (A) x 15% | (E) = (A) x 5% - (C) | (F) = (B) + (A-D-E) | | (G) | (H) | (I) = (F) or (G), whichever is lower, Less (H) | | |

[Bill and Melinda Gates Foundation TA Grant \(F5Y/329\)](#)

CHANNEL FINANCING AGREEMENT

| | | | | | | | | | | | | | | | |
|-----|----------------------|---------------------|----------------------|-----------|--------------|------------------|-------------------|---------------------|-------------------|----------------------|---------------------|---------------------|---------------------|-------------------|----------------------|
| | | | | | | 80,000.00 | | | | 0395/BAN | 1,600,000.00 | - | | - | |
| USD | <u>15,000,000.00</u> | <u>2,000,000.00</u> | <u>13,000,000.00</u> | | | 65,000.00 | | | | 0405/NEP | 1,300,000.00 | - | | - | |
| | | | | | | 100,000.00 | | | | 0413/IND | 2,000,000.00 | 652,500.00 | | - | |
| | | | | | | 75,000.00 | | | | 0497/CAM | 1,500,000.00 | - | | - | |
| | | | | Closed TA | (467,105.64) | 100,000.00 | | | | 6498/REG | 2,000,000.00 | 751,621.17 | | 416,880.09 | |
| | | | | BAC | (23,355.28) | 25,000.00 | | | | 8568/REG | 500,000.00 | 500,000.00 | | 209,642.27 | |
| | | | | | | 50,000.00 | | | | 9100/CDTA | 1,000,000.00 | - | | - | |
| | | | <u>12,509,539.08</u> | | | <u>36,663.57</u> | <u>495,000.00</u> | <u>(458,336.43)</u> | <u>558,336.43</u> | <u>13,951,202.65</u> | <u>9,900,000.00</u> | <u>1,904,121.17</u> | <u>7,995,878.83</u> | <u>626,522.36</u> | <u>11,162,504.93</u> |

INDIVIDUAL LETTER AGREEMENT

| | | | | | | | | | | | | | | | | |
|-----|---------------------|---------------------|---------------------|--|--|-----------------|------------------|--------------------|-------------------|---------------------|----------|----------------------|---------------------------------|---------------------|----------------------|------------------|
| USD | <u>3,486,629.00</u> | <u>2,409,201.00</u> | <u>1,077,428.00</u> | | | <u>3,023.75</u> | <u>53,871.40</u> | <u>(50,847.65)</u> | <u>171,307.70</u> | <u>3,315,321.30</u> | 8485/REG | <u>1,077,428.00</u> | <u>995,495.05</u> ^{e/} | <u>81,932.95</u> | <u>977,998.40</u> | <u>55,105.70</u> |
| | | | | | | | | | | | | <u>10,977,428.00</u> | <u>2,899,616.22</u> | <u>1,604,520.76</u> | <u>11,217,610.63</u> | |

a/ TAs already approved by donors.

b/ Excludes contract cancelled, if any.

c/ Includes investment accounts.

d/ Applies to commitment receivables in currencies other than US\$.

e/ Net of dummy contract (reserve for administration cost) amounting to \$53,871.40