

**ASIAN DEVELOPMENT BANK**  
**LOAN 2542-BAN (SF): PARTICIPATORY SMALL-SCALE WATER RESOURCES SECTOR**  
**PROJECT (PSSWRSP)**

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**FINAL AIDE MEMOIRE OF THE JOINT LOAN REVIEW MISSION**  
**(17–29 December 2016)**

**I) INTRODUCTION**

1. The subject loan builds on lessons from previous ADB, Dutch and IFAD investments in the small-scale (less than 1,000 hectare) water resources sector; specifically the Small-Scale Water Resources Development Sector Project (SSW 1), which was implemented from 1996 to 2002 and developed 280 sub-projects in the western part of the country; and the Second Small-Scale Water Resources Development Sector Project (SSW 2), which commenced in 2002 and was completed in June 2010, and which developed 300 sub-projects in 61 of Bangladesh's 64 districts.
2. The Participatory Small-Scale Water Resources Sector Project (PSSWRSP) has three outputs: (i) institutional strengthening of government agencies at all levels to support small-scale water resources (SSWR) development; (ii) participatory sub-projects development, which will include poor and vulnerable groups, and which will enable WMCAs to plan, implement, operate, and maintain sub-projects; and (iii) construction of up to 270 SSWR sub-projects and performance enhancement of up to 150 sub-projects (out of 580 completed from SSW 1 and 2 projects). The Local Government Engineering Department (LGED) of the Ministry of Local Government Rural Development and Cooperatives (MOLGRDC) is the executing agency (EA).
3. The loan (L2542-BAN) was approved by ADB on 4 September 2009 for \$55.0 million. International Fund for Agricultural Development (IFAD) co-financing of \$22.0 million (under loan no. 786) was approved on 6 November 2009. An additional IFAD loan of \$10 million was approved by IFAD on 18 October 2010. ADB Board paper for approval of administration of additional co-financing (under loan no.808) was approved in July 2010.
4. A Joint Loan Review Mission (the Mission)<sup>1</sup> of Asian Development Bank (ADB) and International Fund for Agricultural Development (IFAD) was fielded from 17 to 29 December, 2016. The Mission visited 9 subprojects in Barisal, Patuakhali, Barguna, Jhalokhati, Bagerhat & Jessore Districts. The Mission discussed with the members of the respective WMCAs of the subprojects and inspected the construction works of different hydraulic structures and canal excavations of the subprojects were found to be generally satisfactory. However, knowledge, attitude and practices on O&M and microcredit operations were found to be weak. In Dhaka, meetings were held with DAE, DOF and DOC, Chief Engineer of LGED management and Integrated Water Resources Management Unit (IWRMU) staff. A wrap-up meeting was held on 29 December, 2016 chaired by Ms Nasreen Akhter, Additional Secretary (Development), Local

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<sup>1</sup> The Mission comprised Mr. Zahir Uddin Ahmad, Team Leader, Water Resources Management (Mission Leader); Mrs. Rina Sen Gupta, Social Development Implementation Consultant; Mr. Md. Shahidul Alam (Senior Project Officer, Urban Infrastructure), also covering safeguard & resettlement; Mr. Monirul Islam, Project Analyst; Mr. Mohammad Shahjahan, Environmental Specialist (Consultant); and Mr. Amrita Kumar Das, Project Management Consultant, all from the ADB's Bangladesh Resident Mission and Mrs. Shameem Ara Sheuli Knowledge Management Officer, representative from IFAD.



Government Division of the Ministry of Local Government, Rural Development and Cooperatives. The list of persons met by the Mission and at the wrap-up meeting is attached (**Attachment 1A & 1B**).

5. The Project's rationale of establishing sustainable agricultural water management by investing both in sub-project infrastructure and in beneficiary capabilities to derive benefits from local water resources management remains valid. The Project's components of (i) strengthening institutions to deliver services to beneficiaries of small-scale participatory water management; (ii) development of water management cooperative associations to reap and target sub-project benefits; and (iii) participatory development and subsequent management of small-scale water resources infrastructure; is as relevant as when small-scale water resources development was introduced in the mid-1990s.

6. The Mission noted with satisfaction that generally in completed sub-projects development outcomes are achieved. The Mission was informed that since last Mission, the Operation & Maintenance (O&M) trainings were conducted with the sub-committees of 90 subprojects. However, weak nurturing of O&M practices and microcredit operations may put the sustainability of the completed subprojects at risk, if not the immediate benefit. The Mission also noted with appreciation that significant progress has been made in, physical progress and disbursements since the last review mission held in July 2016. The Mission reiterates that successful achievement of the Project outcomes depends on the pace of sub-project completion of physical works and on the capacity development of the Water Management Cooperative Associations, planned O&M of completed infrastructures of subprojects for which PMO/IWRMU/PIC/LGED have to concertedly gear up efforts.

7. **Reallocation / Contract Variations:** Following the recommendation of the last review mission, the PMO has submitted reallocation of Loan proceeds of ADB and IFAD loans to ADB on 12 December 2016 for concurrence which is under review by ADB. The reallocation of the loans is required since contract cost of (i) civil works; (ii) survey, investigation, design and mapping; (iii) materials; and (iv) consulting services categories have exceeded the present allocations. On the other hand, savings are identified in (i) equipment and vehicles; (ii) training; (ii) benefit monitoring and evaluation; and (iii) project coordination categories. Additional cost required for different categories of the proposed reallocations will be adjusted from the saving of the other categories.

8. Mission discussed with the PMO and identified few civil works contracts for which variations are required. It is suggested that proposals for contract variation should include specific technical justifications and supporting documentation before submission to ADB. ADB will critically review each contract variation including technical justification/ modification to the design of the structures under subprojects before approval. However, any variation due to faulty design may not be considered.

9. **Project Completion Date/Revision of Development Project Proforma (DPP):** In accordance with the recommendation of the last Loan Review Mission, the extension of loan closing date up to 31 December 2018 for IFAD's loans was approved by IFAD management on 26 September 2016. The Mission has been informed that the revision of DPP is underway and expected to be submitted to the ministry by 15 January 2017.



## II) PROJECT PROGRESS

10. **Overall Progress:** As of 15 December 2016, the Project's weighted physical progress stands at 80.00% against an elapsed time of 82.60% since Loan effectiveness from 12 Nov, 2009 and loan closing on 30 June 2018. Calculation of Project Progress is presented in **Attachment 2**. Cumulative contract awards (CA) and disbursements (D) for ADB, IFAD-1 and IFAD-2 loans stand at CA: \$44.4 million (92%), \$19.30 million (96.4%) and \$8.83 million (94.8%); D: \$34.6 million (68.6%), \$13.49 million (67.50%) and \$7.41 million (79.5%) respectively. Total disbursement of the project has advanced to a cumulative of \$55.5 million (69.6%) and disbursement progress of IFAD loans (71.3%) is now higher than ADB loan (68.6%).

11. **New Subprojects:** Construction works of new subprojects (SPs) are progressing well. All works of new SPs of batch-1 & 2 have been completed. In batch-3, out of 49, 47 Subprojects are completed and works in 2 SPs are ongoing. In batch-4, out of 64 awarded SPs, 35 have been completed and works are ongoing in full swing in remaining 29 SPs. In batch-5, out of 69 contracts awarded, works completed in 15 SPs and ongoing in 54. In Batch- 6, contracts have been awarded for 63 SPs of which 7 SPs are completed and works are ongoing in 56 SPs.

12. In total, 124 new subprojects are completed, the progress of 43 SPs is 80%-99%; 36 SPs is 60%-79%; 20 SPs is 40%-59% and 42 SPs is within 20%-39%. Total 42 ongoing new SP contracts are identified as critical, which are needed to be monitored critically with special attention, details are provided in **Attachment 3**. All the remaining works are expected to be completed by May, 2018.

13. **Enhancement Subprojects:** Construction works of the enhancement subprojects are also found to be progressing well. All works of batch-1, 2 & 3 of enhancement SPs have been completed. In batch-4 out of 30, 28 SPs are completed and works in 2 SPs are ongoing. In batch-5, out of 30 awarded SPs, 18 have been completed and works are ongoing in remaining 12 SPs. In batch-6, out of 29 contracts awarded, works completed in 10 SPs and ongoing in 19 SPs. In enhancement subprojects, works of 115 SPs are completed (78%, out of 148), works are ongoing in 33 (22.3%). All the remaining works are expected to be completed by May, 2018.

14. **Implementation Schedule for the Remaining Subprojects:** The Mission critically reviewed the on-going contracts and recommends the completion of all the remaining (141 new and 33 enhancement SPs) construction works as per the following implementation schedule:

By 30 June 2017, 83 new SPs and 22 enhancement projects to be completed.

By 31 December 2017, 27 new SPs and 7 enhancement projects to be completed.

By 31 May 2018, 31 new SPs and 4 Enhancement sub projects to be completed.

15. **Operation and Maintenance (O&M).** In order to strengthen the capacity of WMCA, capacity building plans for batch-1, 2 and 3 subprojects were earlier prepared, practical and field based training program was developed, 21 training events/courses were provided to 540 O&M subcommittee members of 90 subprojects generating 1080 trainee-days during the period September to November 2016. Similar program for remaining batches are underway. In addition progress have been made in the following areas.

- Filling of post of O&M Specialist and Institutional Specialist were done.



- During recent training program to 540 sub-committee members of 90 SPs practical and field based O&M training programme and exercises were imparted and lessons given to prepare O&M plan.
- During recent O&M training program from September to November 2016 the subcommittee members were advised to divide the excavated canals into different sections or blocks, and an appoint a block leader who is a member of the O&M subcommittee. The block leader is to take responsibility for operation issues, and for organising maintenance of the particular stretch. He or she is also responsible for monitoring any irregularity or damage, and need for small repairs or solving of problems.
- O&M training program LGED district engineer and assistant engineers were involved in conducting training sessions
- Expansion of trainer pool to include “farmer trainers” is under way.
- During recent O&M training courses “hand-holding” approaches are adopted for the first year, whereby LGED staff coaches WMCA on the implementation of the O&M plan and proper utilization of the O&M fund

16. Preparation of O&M plan and training has been fast-tracked so that these activities are completed near completion of the construction work of critical batches 5 & 6. Both IWRM unit and District/Upazilla staff will need to follow-up after project completion to support and monitor the WMCA during the first years of operation.

17. In the subprojects visited by the mission it was noted that there still exists lack of understanding and preparation for O&M of the subprojects. Though the O&M trainings have been provided, positive attitudes of the WMCA members towards initiating sustainable O&M of the subprojects could not be observed during the visit. However, weak nurturing of O&M practices, lack of utilization of O&M fund and improper microcredit operations may put the sustainability of the completed subprojects at risk, if not the immediate benefit. The Mission recommended PMO to initiate submission of self-developed O&M plans by the completed / handed over WMCAs by 28 February 2017 and monitor its implementation closely.

18. **Project Implementation Consultancy (PIC):** The fourth variation order (VO-4) for the PIC was approved by ADB. The Cabinet Committee of Government Purchase (CCGP) has already approved the contract variation of PIC contract incorporating increased VAT amount. The PMO has earlier deducted increased VAT amount of approximately Tk.2.00 crores which may affect the Consultants’ remuneration and out of pocket expenses. This needs to be adjusted soon. The replacement O&M specialist position has been approved by ADB as per recommendation of previous Loan Mission.

19. **Monitoring and Evaluation:** The firm CEGIS has already submitted Impact Evaluation Study report on 30 Subprojects including Final Report. Similarly, the firm Sodev has also submitted Base Line Study report on 30 SPs including Final Report. The follow up actions are underway as per recommendations and findings by the firms.

20. **Financial Management/ Audit:** The Project accounts are audited by Foreign Aided Project Audit Directorate (FAPAD). For FY2014-2015, 13 observations (3 SFI and 10 non-SFI) were raised in Audit Inspection Report (AIR). Based on the broadsheet reply submitted to the ministry and FAPAD, all audit observations have been settled. The AIR for FY2015-2016 is under preparation and will be submitted to LGED by 31 December 2016.



21. **Integrated Water Resources Management Unit (IWRMU):** The IWRMU is responsible for performance-based allocation of an O&M fund; for maintaining a management information system; and for ensuring follow-up and aftercare of the completed sub-projects. Four (04) of the 27 revenue budget positions in the IWRMU remain vacant: two Senior Sociologist, one Aquaculturist and one Agronomist. IWRMU is making best use of its available staff resources under the leadership of the Additional Chief Engineer. Coherent work procedures are followed for ADB/IFAD and JICA-funded projects;

- The budget provision for FY 2016-2017 is Tk17.50 crore of which 5.86 crore has been allotted for 349 subprojects. The range of allocation per SP was from Tk.0.75 lac to Tk.30.00 lac.
- Subprojects selected for maintenance activities are done in line with the DOC's Water Cell's final report

22. **Department of Cooperatives (DOC):** During field visit, the Mission discussed with the WMCA members and found that in most cases credit was distributed to the members without any standard set of eligible criteria. The mission strongly recommended that by 28 February 2017, LGED with the help of DOC will develop a uniform set of criteria for selecting the members who are eligible to receive credit which was also recommended during the last loan review mission. ADB will monitor development of this criteria.

23. **Department of Agricultural Extension Agriculture Activities:** Agricultural activities contribute to increase cropped area. Agricultural demonstration increased use of High Yield Variety (HYV) in rice production and crop diversification with more non-rice production. HYV rice area increases significantly with drainage improvement and flood management of flooding in the monsoon season. The WMCA agricultural activities also contribute to the increase of crop yield level. The other factors contributing to the agricultural production include judicious use of fertilizers, application of integrated pest management and improvement of crop management. Improvement of drainage effectiveness in the monsoon season was identified to be the most significant impact of the water control infrastructures. This has substantially supported farmers to increase HYV rice production in this season. Water conservation in the re-excavated canals increased non-rice production in the dry season. Monitoring of completed subprojects shows that it significantly contribute to increase of both cereal and non-cereal crop area and production.

24. The Mission met with the Director, Field Services Wing, DAE. Based on the field observations, it was agreed that Sub Assistant Agricultural Officer (SAAO) shall extend more support to the WMCAs in preparing the crop calendars.

25. **Department of Fisheries:** Five fisheries training courses were held from 19 November to 06 December 2016. In total 150 WMCA members were trained including 40 female members for 450 trainee days. Three days "Fish Production Technology" courses were held on Pond Fish Culture Training. Impact of Fisheries Training at Sub-Project level is satisfactory. The Department of Fisheries has directed its field capacity (Upazila level only) to engage in follow-up training program imparted to selected sub-projects with potential for captured and culture fisheries. As per previous Mission recommendation PMO has taken follow-up action on this matter by submitting a letter signed by Chief Engineer, LGED with list of potential sub-projects to DG, DoF. Accordingly DG, DoF instructed (memo no 328 dated 23-11-15) to their field level officials to maintain follow-up training program in potential sub-projects.



26. **Observations on Participatory Sub-project Development During Field Visit:** The Mission made a field visit to 9 Subprojects in the Districts of Barisal, Patuakhali, Barguna, Jhalokhati, Bagerhat & Jessore. The Subprojects are: (a) Rabipur (SP-46274, IFAD-2), (b) Hetalia-Ballabpur (SP-44143, ADB), (c) Gotkhali Chalitabunia (SP-44103, IFAD-1), (d) Burirchar-Nur Ali Charakgachi (SP-43029, ADB), (e) Bayestabak-Lakurtala subproject (SP-46216, IFAD-1), (f) Dabdabia Enhancement (SP-15218-ADB,) (h) Chakhar subproject (SP #44125), (i) Sachilapur subproject (SP # 44106-ADB), Tengrakhali char Tengrakhali subproject (SP # 45180-IFAD-1). It was noted during the field visit that there was a need to sensitize the WMCA members about their existing by-law. In the monthly meetings they monthly focus on shares and savings. However, discussions on i) increasing the membership and, shares and savings (eventually capital formation), and ii) operations and maintenance planning, implementation and resources mobilizations were limited. It was felt by the Mission that WMCAs almost consider their O&M fund as their savings and the fix deposited amounts have not been utilized so far for O&M purposes even for the handed over subprojects. The Mission recommended that this needs to be redressed for the sake of ensuring sustainable O&M. On micro-credit operations, it was noted that standard guidelines have not been followed and large amount of loans (Taka 30,000 to Taka 125,000) were distributed to limited numbers of recipients. As the micro-credit operations are meant for the poor / landless, within the capital resources limit more coverage is expected.

27. **Training:** The budget disbursement in the reporting period July-December, 2016 was BDT 9.581 million used to train Five thousand two hundred twenty four (5,224) trainees, trained for a total of eight thousand eight hundred forty (8,840) trainee-days including three thousand ninety six (3096) trainee-days (32.76%) for females.

28. The overview of Capacity Building Plan Implementation as of 11 December 2016, shows that BDT 390.35 million (76.60%) has been spent against DPP provision of BDT 509.86 million, 4584 training events (71.30%) implemented against DPP provision of 6433 events, 348697 trainee-days (93.10%) achieved against 374,591 trainee-days and 206,189 participants (85.80%) attended against 240426 participants. The Individual Consultant has submitted the final KAP study report. The same report has been sent to ADB for their comments. The mission recommends the implementation and follow-up to the range of recommendations of recently completed Knowledge Attitudes and Practices Study, in particular:

- Updating of modules is underway.
- Department of Cooperatives is approached to obtain the format of accounts register.
- The selection of trainees with appropriate background is strictly followed.

29. **Gender and Development Dimension:** A Gender Focal Point has been assigned from PMU side and a Gender Specialist, second time, has been assigned to assist implementation, capacity building and reporting of GAP for further 12 months against balance of 1.67 months. As per project GAP and the loan covenant, the project has to establish a Social and Gender in Development Section in IWRMU. To fulfil the requirement, recently with the instruction from Chief Engineer of LGED, a room has been allocated for Gender Development and Social Unit at the LGED building and one full time female official has been assigned by PSSWSP for the unit while other projects have been providing some office furniture and other accessories. Total 270 WMCAs have been formed in 270 new sub-projects till December 2016 with a total membership of 128,613; 39.6% are women. Total of 466 batches gender awareness training completed for 14,390 members of WMCA with 73.39% women participants. These training covered the areas on IGAs for livelihood development and operation



& maintenance of project created infrastructures. Capacity of 99754 poor people with 33.78% women participation has been increased for engaging them as LCS labourers in the project generated earth work activities and ultimately worked as LCS labours in the sub projects' areas which gave them an opportunity of earning a good amount of cash income. Women received 34% share from total expenditure of Taka 13148865 for earth work done at different subproject areas. The project is a GEN category project as per ADB project categorization system. A detailed GAP progress status report is provided in the **Attachment 4**.

30. During the field visit the female members showed interests to be involved in the mainstream water management activities in addition to other income generating activities. They also showed interest to take lead in micro-credit operations. The Mission noted both with appreciation.

31. **Social Safeguards:** The Project has been classified as category B for both Involuntary Resettlement (IR) safeguards, which refers to non-significant involuntary resettlement impact. Although the Project would not have any adverse impact on the IPs of the country, it is categorized as B, as there would be positive impact of the project on the IPs at macro level. However, short resettlement plans (RP) are being prepared for those subprojects (SP) requiring Land Acquisition (LA) or compensation payment to the Project Affected Peoples (PAP), based on the approved resettlement framework and socio-economic survey (SES) for each subproject. As of November 2016, detailed design have been completed for 270 subprojects, out of which 32 (11.85%) required RPs. 23 RPs are approved by ADB and 09 SPs are under approval process. 224 SESRs are submitted and 11 are under the process of submission.

32. Socio-economic Survey Reports (SESR) are prepared for those SPs where a RP, either for Land Acquisition (LA) or other compensation of PAPs, is not required. The SPs for which RPs and SESRs have been prepared are summarized in Table 6. In total, 23 RPs and 224 SESRs had been prepared by the end of November, 2016. Five RPs were prepared by PIC/PMO and 18 RPs were prepared by the INGO named CCDB<sup>2</sup>; of which 23 have been approved by ADB, and 6 more are under preparation by the CCDB. Out of the 270 SPs completed for detailed design, 16 SPs were deferred for social conflict. However, the Mission observed that the social safeguard planning and implementation considerably improved by expediting the pre-procurement activities. 21 RPs have already been implemented, and 3 RPs are under process for payment of compensation to the APs. Preparation of SESR or implementations of RP are in progress as a continuous process.

33. **Land Acquisition:** It has been reported that a certain development is made on Land Acquisition for Nakai Beel SP in Upazila Polashbari of Gaibandaha district since the last Mission. The Deputy Commissioner, Gaibandaha has issued notices under Section-3 to the PAPs. At Sonaichara SP in Mirsarai Upazila under Chittagong district, Tk.35,49,339.00 has been paid to Deputy Commissioner, Chittagong on 1 January 2015 for payment to the titled PAPs. The Executive Engineer, Chittagongj has already written to DC to hand over the possession of lands under LAP.

34. As per the advice of previous Mission CCDB and field offices are disclosing the GRM and the composition of GRC timely and transparently to all PAPs. In the meanwhile the compensation of Tk.737257 has been paid to 82 PAPs of Charbhuta Hatem Ali subproject in

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<sup>2</sup> Christian Commission for Development in Bangladesh



upazila sadar, district Laxmipur. One PAP could not be paid of Tk.1,04,580.00 due to non-clearance by Department of Forest.

35. **Safeguards Monitoring Reports (SMR):** The Project has made the information on SESR/ RP available within the contract awards database. The PMO / PIC are monitoring the activities of the INGO to reflect its performance in the semi-annual SMR. The safeguards specialist of the project is working in monitoring the safeguards activities and preparing SMR. The Project has prepared and submitted the SMR and Indigenous Peoples (IP) SMR covering activities up to June 2016, on 15 July 2016. The IPSMR requires summarising the results of safeguards screening forms, and also discussing on the positive impacts of the project on the IPs of the country. The SMR on IR also require discussing on the standard monitoring indicators mentioned in the approved Resettlement Framework of the project. All these requirements are incorporated and the revised SMR-10 & IPSMR were submitted.

36. **Disclosure of Information:** Total 23 RPs have been published in LGED website till November, 2016. The main information on the work of the Property Valuation Advisory Team, Resettlement Advisory Committee, and GRC; and on salient features of the resettlement plans have been translated into Bangla and made available in public access point of the Project area including WMCA and Union Parishad/ Upazila offices. However, more effort should be given to disclose all information, including separate SP specific information, in a transparent and easily accessible way, and it should be continued up to the end of the project.

37. **Environmental Monitoring:** As a part of environmental monitoring, field investigation is being undertaken at regular intervals to verify a) Compliance and b) Non-compliance to environmental management works and their reporting. The main objective of the Environmental Supervision and Monitoring is to ensure that the PSSWRSP is being implemented in an environmentally sound and transparent manner. The project is regularly submitting environmental monitoring report and no negative environmental issues / impacts have been identified so far. However, the EA should ensure that all contractors be more careful in environmental management aspects during implementation of subprojects particularly excavation of canals. It is highly encouraged that records of environmental benefits and enhancements envisaged for the subproject should be maintained and reported.

38. **Achievement of Design Monitoring Framework (DMF) Targets:** The Project will enhance productivity and sustainability of agriculture in 420 subprojects (270 new and 150 enhancements) covering an area of 225,500 hectares of land. Since the last review mission held in July, 2016, 39 more subprojects have been completed resulting in the total number of 239, covering 128,500 hectares of land. Total 341 Participatory Rural Appraisal (PRA), 288 Feasibility Study (FS) and 290 Detailed Design (DD) and 413 contracts awarded for subprojects. Total 246 WMCA audited. So far, achievement of DMF targets is generally satisfactory and stands at 57% (9% increased) in terms of numbers of completed new & enhancement subprojects and corresponding 57% (8% increased) area coverage. Construction works in 174 subprojects are ongoing covering an area of approximately 97,000 hectares of land.

39. The Loan Covenants were reviewed and were found on track (**Attachment 5**).



### III) CONCLUSION AND RECOMMENDATIONS

The Mission confirms that the Project's rationale for participatory small-scale water resources development, aimed at higher agricultural production and incomes, is valid in order to fully achieve project outcomes. The Mission recommends a number of areas for specific PMO attention and action:

- The Mission therefore, recommends the completion of all the remaining 141 new SPs and remaining 33 enhancement construction works as per the following implementation schedule:  
By 30 June, 2017, 83 new and 22 enhancement SPs to be completed  
By 31 December 2017, 27 new and 7 enhancement SPs to be completed  
By 31 May 2018, 31 new 4 Enhancement SPs to be completed
- The Mission recommended PMO to initiate submission of self-developed O&M plans by the completed / handed over WMCAs by 28 February 2017 and monitor its implementation closely.

40. The Mission thanks LGED authorities, IWRMU, DOC, DOF, DAE, PMO and PIC for their full cooperation and for the courtesies extended to the Mission.

Dhaka, 29 December 2016



Zahir Uddin Ahmad (Mission Leader)  
Team Leader, Water Resources Management  
Bangladesh Resident Mission, ADB



## LIST OF PERSONS MET BY THE MISSION

## Local Government Engineering Department (LGED)

Sl.	Name	Designation and Address
1	Shyama Prosad Adhikari	Chief Engineer, LGED
2	Md. Mohsin	Additional Chief Engineer, IWRM, LGED
3	Iftekher Ahmed	Additional Chief Engineer, Planning, LGED
4	Md. Moshir Rahman	Superintending Engineer, (P&D), IWRMU, LGED
5	A K M Sahadat Hossain	Superintending Engineer, (O&M), IWRMU, LGED
6	Md. Shahidul Haque	Superintending Engineer, Dhaka Region, LGED
7	Abdul Malek Sarkar	Superintending Engineer, LGED, Patuakhali
8	Gopal Krishna Debnath	Project Director, SSWRDP-JICA, LGED
9	Sheikh Mohd. Nurul Islam	Project Director, PSSWRSP, LGED
10	Md. Shafiqul Islam	Executive Engineer, PSSWRSP, LGED.
11	Md. Ruhul Amin Khan	Executive Engineer, LGED, Barisal
12	Md. Anwarul Islam	Executive Engineer, LGED, Barguna
13	Md. Selim Sardar	Executive Engineer, LGED, Jhalokathi
14	Mohammad Shahadat Hossain	Executive Engineer, LGED, Bagerhat
15	M. Momtaj Haider	Sr. Socio-Economist, PSSWRSP, LGED
16	Uzzal Tripura	Sr. Asst. Engineer, PSSWRSP, LGED
17	Md. Humayun Kabir Khan	Upazila Engineer, LGED, Bakerganj, Barisal
18	Md. Hossain Ali Mir	Upazila Engineer, LGED, Sadar, Patuakhali
19	Md. Shawkat Hossain	Upazila Engineer, LGED, Sadar, Barguna
20	Nazrul Islam	Upazila Engineer, LGED, Amtoly, Barguna
21	Md. Jahangir Alam	Upazila Engineer, Kachua, Bagerhat
22	Md. Rasek Khan	Sr. Assistant Engineer, LGED, Barisal
23	Md. Abu Hanif Mridha	Sr. Assistant Engineer, LGED, Patuakhali
24	Md. Masum	Assistant Engineer, office of SE, Barisal Region
25	Md. Abdul Halim	Assistant Engineer, PSSWRSP, LGED, Barguna
26	Khairul Hasan	Assistant Engineer, PSSWRSP, LGED Jhalokathi
27	Md. Sohrab Hossain Khan	Senior Agriculturist, PSSWRSP, LGED, Dhaka
28	Sankar Chandra Sutradhar	Aquaculturist, PMO, PSSWRSP, LGED, Dhaka
29	Md. Makbul Hossain	Sub Assistant Engineer, LGED, Nalcity, Jhalokathi
30	Md. Moniruzzaman	Sub Assistant Engineer, PSSWRSP, LGED, Barisal
31	Md. Masudur Rahman	Sub Assistant Engineer, PSSWRSP, LGED, Banaripara
32	Monirul Islam	Sub Assistant Engineer, PSSW, LGED, Barisal
33	Shishir Kumar	Assistant Water Resource Engineer, Bakerganj, LGED, Barisal
34	Khan Moudud Ahmed	Assistant Water Resource Engineer, LGED, Patuakhali
35	Md. Abdul Hasim	Assistant Water Resource Engineer, LGED, Barguna
36	Abul Bashir Howladar	Socio-Economist, PSSWRSP, LGED, Barisal



Sl.	Name	Designation and Address
37	Md. Delowar Hossain	Socio-Economist, Engineer, LGED, Patuakhali
38	Abdur Rahim	Socio-Economist, LGED, Barguna
39	Md. Saidur Rahman	Socio Economist, LGED, Jhalokathi
40	Sheikh Md. Sahidur Rahman	Socio Economist, PSSWRSP-3, LGED, Jhalokathi
41	Zakir Hossain	Community Organizer, LGED, Bakerganj, Barisal
42	Sreedam Babu	Community Organizer, LGED, Amtoly, Barguna
43	Md. Forkanul Alam	Community Organizer, LGED, Sadar, Barguna
44	Md. Zafar	Community Organizer, LGED, Nalcity, Jhalokathi
45	Md. HM Selim	Community Organizer, LGED, Banaripara, Barisal
46	Md. Akkas Ali Khan	Community Organizer, LGED, Sadar, Jhalokathi
47	Md. Arifur Rahman	O&M Facilitator, PSSW, LGED, Bakerganj, Barisal
48	Rabbi Hasan	O&M Facilitator, LGED, Magura
49	Mahfuzur Rahman	O&M as Fist formed, LGED, Nalcity, Jhalokathi
50	Md. Arifur Rahman,	O&M Facilitator, LGED, Banaripara, Barisal
51	Md. Sarwar Hossain	General Facilitator, LGED, Bakerganj, Barisal
52	Md. Mujibur Rahman	General Facilitatory, LGED, Amtoly, Barguna
53	Md. Alauddin Gazi	General Facilitatory, LGED, Amtoly, Barguna
54	Md. Majibur Rahman	General Facilitator, LGED, Sadar, Barguna
55	Md. Awal	General Facilitator, LGED, Nalcity, Jhalokathi
56	Md. Delwar Hossain	General Facilitator, LGED, Nalcity, Jhalokathi
57	Sarwar Hossain	General Facilitator, LGED, Banaripara, Barisal

#### Department of Cooperative (DoC)

Sl.	Name	Designation and Address
1	Md. Mofizul Islam	Registrar and Director General, DOC, Dhaka
2	Mrinal Kanti Biswas	Deputy Registrar, (Research), DOC, Dhaka
3	Md. Kamrul Islam	Upazila Cooperative Officer, Bakerganj, Barisal
4	Pankaj Kumar	Upazila Cooperative Officer, Sadar, Patuakhali
5	Md. Abdur Rab	Upazila Cooperative Officer, Sadar, Barguna
6	Most. Afsana, Sathi	Upazila Cooperative Officer, Banaripara, Barisal
7	Debabrat Mitra	Upazila Cooperative Officer, Kachua, Bagerhat
8	Md. Harun Or Rashid	Upazila Cooperative Officer, Sadar, Jhalokathi
9	Azadur Rahman	Cooperative Officer, ASA, Amtoly, Barguna
10	Abdul Hannan	Assistant Inspector, Nalcity, Jhalokathi
11	Md. Mizanur Rahman Khan (Monir)	Vice Chairman, Patuakhali Sadar
12	AKM Zakir Hussain	Chairman, Gabkhan Dhanshiri UP, Jhalokathi
13	Md. Kamrul Islam	Upazila Cooperative Officer, Bakerganj, Barisal
14	Pankaj Kumar	Upazila Cooperative Officer, Sadar, Patuakhali
15	Md. Abdur Rab	Upazila Cooperative Officer, Sadar, Barguna
16	Most. Afsana, Sathi	Upazila Cooperative Officer, Banaripara, Barisal
17	Debabrat Mitra	Upazila Cooperative Officer, Kachua, Bagerhat
18	Md. Harun Or Rashid	Upazila Cooperative Officer, Sadar, Jhalokathi



**Department of Agriculture Extension (DAE)**

Sl.	Name	Designation and Address
1	Chaitanya Kumar Das	Director, Field Service, DAE, Khamarbari, Dhaka
2	Md. Faruk Khan	SAAO, Bakerganj, Barisal
3	Md. Kabir Mia	SAAO, DAE, Sadar, Barguna
4	Sujan Roy	SAAD, DAE, Sadar, Barguna
5	Salah Uddin Gazi	Agriculture Facilitator, Bakerganj, Barisal
6	Gazi Salah Uddin	Agriculture Facilitator, PSSW, Sadar, Patuakhali
7	Imran Hossain	Agriculture Assistant, Amtoly, Barguna
8	Gazi Salah Uddin	Agriculture Facilitator, Sadar, Barguna
9	Bipul Kumar Mondol	Agriculture Facilitator, Sadar, Barguna
10	Md. Salah Uddin	Agriculture Facilitator, Sadar, Barguna
11	Gazi Salah Uddin	Agriculture Facilitator, Banaripara, Barisal
12	Md. Rafiqul Alam	Sub Assistant Agriculture Officer, Banaripara, Barisal
13	Md. Shah Alam	Sub Assistant Agriculture Officer, Banaripara, Barisal
14	Md. Asaduzzaman Howladar	Sub Assistant Agriculture Officer, Jhalokathi Sadar
15	Md. Firoz Ahmed Khan	Sub Assistant Agriculture Officer, Jhalokathi Sadar
16	Shashwati Edar	Agriculture Officer, Kachua, Bagerhat

**Department of Fisheries (DoF)**

Sl.	Name	Designation and Address
1	Md. Dulal Mridha	Fishery Facilitator, Bakerganj, Barisal
2	SM Hasanur Rahman	Fishery Facilitator, XEN Office, Patuakhali
3	Joyonto Kumar	Fishery Officer, Amtoly, Barguna
4	Md. Dulal Mridha	Fishery Facilitator, Banaripara, Barisal
5	Adhir Ranjan Mitra	FA Office of the Upazila Fishery Officer, Jhalokathi Sadar

**Department of Women Affairs (DoWA)**

Sl.	Name	Designation and Address
1.	Nazmunnahar	Women Affair Officer, Kachua, Bakerganj

**Project Implementation Consultants (PIC)**

Sl.	Name	Designation and Address
1	Abu Taher Chowdhury	Deputy Team Leader, PIC, PSSWRSP
2	Dr. Md. Abu Sufian	Agriculture Specialist
3	Md. Shamsul Islam	Training and Communication Specialist
4	Md. Abdul Hannan	Social Safeguard Specialist
5	Md. Mohiuddin Ahmed	Institutional Development Specialist



## Water Management Cooperative Association (WMCA) Representatives

### Rabipur WMCA Ltd., Bakerganj, Barisal

Sl.	Name	Designation and Address
1	Md. Harunur Rashid Jomaddar	President, Rabipur WMCA Ltd.
2	Abdul Ali	Vice-President, Rabipur WMCA Ltd.
3	Md. Sultan Ali Mollah	Secretary, Rabipur WMCA Ltd.
4	Madhab Halder	Treasurer, Rabipur WMCA Ltd.
5	Most. Nargis Begum	Member, Rabipur WMCA Ltd.
6	Most. Shahnaz Begum	Member, Rabipur WMCA Ltd.
7	Most. Sultana Akter	Member, Rabipur WMCA Ltd.
8	Most. Ruma Akter	Member, Rabipur WMCA Ltd.
9	Md. Yousuf Khan	Member, Rabipur WMCA Ltd.
10	Harun Sikder	Member, Rabipur WMCA Ltd.
11	Mannan Jomaddar	Member, Rabipur WMCA Ltd.
12	Zakir Howlader	Member, Rabipur WMCA Ltd.

### Hatalia-Ballabhpur WMCA Ltd., Sadar, Patuakhali.

Sl.	Name	Designation and Address
1	Md. Enayet Kabir	President, Hatalia-Ballabhpur WMCA Ltd.
2	Abul Kalam	Vice-President, Hatalia-Ballabhpur WMCA Ltd.
3	Mahtab Hossain	Secretary, Hatalia-Ballabhpur WMCA Ltd.
4	Tareq Mahmud	Treasurer, Hatalia-Ballabhpur WMCA Ltd.
5	Matiur Rahman	Member, Hatalia-Ballabhpur WMCA Ltd.
6	Keramat	Member, Hatalia-Ballabhpur WMCA Ltd.
7	Jabbar Madbar	Member, Hatalia-Ballabhpur WMCA Ltd.
8	Mizanur Rahman	Member, Hatalia-Ballabhpur WMCA Ltd.
9	Golapi Islam	Member, Hatalia-Ballabhpur WMCA Ltd.
10	Fatema Begum Lovely	Member, Hatalia-Ballabhpur WMCA Ltd.
11	Nigar Sultana Lipi	Member, Hatalia-Ballabhpur WMCA Ltd.
12	Khadiza Akter Khushi	Member, Hatalia-Ballabhpur WMCA Ltd.

### Ghotkhali-Chalitabunia WMCA Ltd., Amtoly, Barguna.

Sl.	Name	Designation and Address
1	Ahuruzzaman	President, Ghotkhali-Chalitabunia WMCA Ltd.
2	Md. Atahar Ali	Vice-President, Ghotkhali-Chalitabunia WMCA Ltd.
3	Md. Moinul Islam	Secretary, Ghotkhali-Chalitabunia WMCA Ltd.
4	Md. Zahid Hossain	Treasurer, Ghotkhali-Chalitabunia WMCA Ltd.
5	Md. Abdul Hakim	Member, Ghotkhali-Chalitabunia WMCA Ltd.
6	Md. Anwar Hossain	Member, Ghotkhali-Chalitabunia WMCA Ltd.
7	Md. Al Mamun	Member, Ghotkhali-Chalitabunia WMCA Ltd.
8	Md. Murad Khan	Member, Ghotkhali-Chalitabunia WMCA Ltd.
9	Most. Nazma	Member, Ghotkhali-Chalitabunia WMCA Ltd.



Sl.	Name	Designation and Address
10	Most. Rabeya Begum	Member, Ghotkhali-Chalitabunia WMCA Ltd.
11	Most. Sumaiya	Member, Ghotkhali-Chalitabunia WMCA Ltd.
12	Most. Sonia	Member, Ghotkhali-Chalitabunia WMCA Ltd.

**Noor Ali-Charakgachhia WMCA Ltd., Sadar, Barguna.**

Sl.	Name	Designation and Address
1	Md. Younuch Mridha	President, Noor Ali-Charakgachhia WMCA Ltd.
2	Md. Anwar Hossain	Vice-President, Noor Ali-Charakgachhia WMCA Ltd.
3	Md. Emran Hossain	Secretary, Noor Ali-Charakgachhia WMCA Ltd.
4	Md. Maznu Mia	Treasurer, Noor Ali-Charakgachhia WMCA Ltd.
5	Md. Abul Hossain	Member, Noor Ali-Charakgachhia WMCA Ltd.
6	Md. Shahjahan Dew:	Member, Noor Ali-Charakgachhia WMCA Ltd.
7	Md. Motaleb	Member, Noor Ali-Charakgachhia WMCA Ltd.
8	Md. Aziz Munshi	Member, Noor Ali-Charakgachhia WMCA Ltd.
9	Most. Mansura Begum	Member, Noor Ali-Charakgachhia WMCA Ltd.
10	Most. Ripa Begum	Member, Noor Ali-Charakgachhia WMCA Ltd.
11	Most. Rubi Begum	Member, Noor Ali-Charakgachhia WMCA Ltd.
12	Most. Fatema Begum	Member, Noor Ali-Charakgachhia WMCA Ltd.

**Bayeshtabok WMCA Ltd., Sadar, Barguna.**

Sl.	Name	Designation and Address
1	Md. Hemayet Hossain	President, Bayeshtabok WMCA Ltd.
2	Md. Awal Hossain	Vice-President, Bayeshtabok WMCA Ltd.
3	Md. Mahbubur Rahman	Secretary, Bayeshtabok WMCA Ltd.
4	Md. Nasir Uddin	Treasurer, Bayeshtabok WMCA Ltd.
5	ABM Golam Haidar Nilu	Member, Bayeshtabok WMCA Ltd.
6	Md. Altab Hossain	Member, Bayeshtabok WMCA Ltd.
7	Md. Sagir Hossain	Member, Bayeshtabok WMCA Ltd.
8	Md. Afzal Hossain	Member, Bayeshtabok WMCA Ltd.
9	Most. Hasi Begum	Member, Bayeshtabok WMCA Ltd.
10	Most. Kakoli Begum	Member, Bayeshtabok WMCA Ltd.
11	Most. Sabina Begum	Member, Bayeshtabok WMCA Ltd.
12	Most. Rabeya Begum	Member, Bayeshtabok WMCA Ltd.

**Dapdapia WMCA Ltd., Nalcity, Jhalokathi.**

Sl.	Name	Designation and Address
1	ABM Rashid Uddin Ahmed	President, Dapdapia WMCA Ltd.
2	Abdur Rashid Majhi	Vice-President, Dapdapia WMCA Ltd.
3	Mizanur Rahman	Secretary, Dapdapia WMCA Ltd.
4	Samsul Haque Hawladar	Treasurer, Dapdapia WMCA Ltd.
5	Motiur Rahman	Member, Dapdapia WMCA Ltd.
6	Monir Hossain	Member, Dapdapia WMCA Ltd.
7	Shammi Akter Jhuma	Member, Dapdapia WMCA Ltd.
8	Parvin Akter	Member, Dapdapia WMCA Ltd.
9	Ms. Hosne Ara	Member, Dapdapia WMCA Ltd.



**Chakhar WMCA Ltd., Banaripara, Barisal.**

Sl.	Name	Designation and Address
1	Syed Majibul Islam Tuku	President, Chakhar WMCA Ltd.
2	Syed Zahidul Islam	Vice-President, Chakhar WMCA Ltd.
3	Md. Bindu Jalal	Secretary, Chakhar WMCA Ltd.
4	Md. Delwar Hossain	Treasurer, Chakhar WMCA Ltd.
5	Md. Babul Hossain Sikder	Member, Chakhar WMCA Ltd.
6	Md. Hannan Mridha	Member, Chakhar WMCA Ltd.
7	Md. Faruk Hossain	Member, Chakhar WMCA Ltd.
8	Md. Ahsan Habib (Rony)	Member, Chakhar WMCA Ltd.
9	Most. Nadia Sharmin	Member, Chakhar WMCA Ltd.
10	Most. Nazma Begum	Member, Chakhar WMCA Ltd.
11	Most. Hosneara Begum	Member, Chakhar WMCA Ltd.
12	Most. Sabina Yasmin	Member, Chakhar WMCA Ltd.

**Sachilapur WMCA Ltd., Sadar, Jhalokathi.**

Sl.	Name	Designation and Address
1	Md. Iqbal Hossain	President, Sachilapur WMCA Ltd.
2	Md. Humayun Kabir	Vice-President, Sachilapur WMCA Ltd.
3	Md. Monir Hossain	Secretary, Sachilapur WMCA Ltd.
4	Md. Akhter Hossain	Treasurer, Sachilapur WMCA Ltd.
5	Md. Rintu Howladar	Member, Sachilapur WMCA Ltd.
6	Md. Saiful Islam	Member, Sachilapur WMCA Ltd.
7	Md. Abdul Mannan Rana	Member, Sachilapur WMCA Ltd.
8	Md. Aslam Hossain	Member, Sachilapur WMCA Ltd.
9	Most. Ferdousi Khanam	Member, Sachilapur WMCA Ltd.
10	Most. Sharmin Begum	Member, Sachilapur WMCA Ltd.
11	Nirmala Rani Kar	Member, Sachilapur WMCA Ltd.
12	Most. Laizu Begum	Member, Sachilapur WMCA Ltd.

**Tengrakhali-Char Tengra WMCA Ltd., Kachua, Bagerhat.**

Sl.	Name	Designation and Address
1	Kazi Saiduzzaman	President, Tengrakhali-Char Tengra WMCA Ltd.
2	Shikder Hadiuzzaman	Vice-President, Tengrakhali-Char Tengra WMCA Ltd.
3	Md. Haidar Ali	Secretary, Tengrakhali-Char Tengra WMCA Ltd.
4	Fakir Mobaidul Islam	Treasurer, Tengrakhali-Char Tengra WMCA Ltd.
5	Md. Azad Shikder	Member, Tengrakhali-Char Tengra WMCA Ltd.
6	Md. Faruk Hossain	Member, Tengrakhali-Char Tengra WMCA Ltd.
7	Md. Mainul Hasan	Member, Tengrakhali-Char Tengra WMCA Ltd.
8	Md. Mizanur Rahman	Member, Tengrakhali-Char Tengra WMCA Ltd.
9	Tahura Shahid	Member, Tengrakhali-Char Tengra WMCA Ltd.
10	Reza Al Asmaul Husna (Sathi)	Member, Tengrakhali-Char Tengra WMCA Ltd.
11	Rokeya Begum (Kona)	Member, Tengrakhali-Char Tengra WMCA Ltd.
12	Marina Begum	Member, Tengrakhali-Char Tengra WMCA Ltd.



**List of Participants of the Wrap-up Meeting Held with the ADB's Joint Review Mission  
for the Participatory Small-Scale Water Resources Sector Project**

on 29/12/2016 at 3.00 pm.

(Not According to Seniority)

SI No.	Name & Designation	Ministry/Dept/Agency	Phone/Fax / e-mail
01.	Zahir Uddin Ahmed, Team Leader, Water Resources Management	ADB, BRM	02-55667000, zahmad@adb.org
02.	Monirul Islam, Project Analyst	ADB, BRM	02-55667000, monirulislam@adb.org
03.	Shameem Ara Sheuli, Knowledge Management Officer	IFAD	s.sheuli@ifad.org
04.	Shahnowas Dilruba Khan Addl. Director (Deputy Secretary)	DWA	dilruba1993@yahoo.com
05.	Shamima Ferdous Senior Assistant Secretary	LGD	02-9575567
06.	Anowara Sharmeen Addl. Director (In-Charge)	DAE	01711829804 anowarasharmeen@gmail.com
07.	Dr. Md. Sohrab Ali, Director	DOE	8181777
08.	Eng. Abu Taher Chowdhury Deputy Team Leader	PIC, PSSWRSP, LGED	01711815942 atchowdury@gmail.com
09.	Sheikh Mohd. Nurul Islam PD, PSSWRSP	LGED	01711340121 Pd.psswrsp@lged.gov.bd
10	Md. Mohsin Addl. Chief Engineer	LGED	01780123102 <a href="mailto:ace.iwrm@lged.gov.bd">ace.iwrm@lged.gov.bd</a>
11.	Md. Rois Uddin Addl. Secretary	LGD	01812998181



## Overall Project Progress (%) as of 15 December 2016

Task Name	Assigned Weight	Unit	Project Target	Achieved	Actual Progress	Weighted Progress
<b>GENERAL MANAGEMENT</b>						
<b>Administrative</b>						
Loan Effective	0.0	Date	10 Sept '09		100.00	0.00
Establish PMO	1.0	Date	01 Jan. '10		100.00	1.00
PIC Utilization	3.0	Person-month	1361.57	1178.15	86.53	2.60
<b>Procurement</b>						
Recruit Project Implementation Consultant	1.0	Firm	1.0	1.0	100.00	1.00
PRA Firms, NGOs	1.0	Firm, NGO	10	10	100.00	1.00
Institutional Support Firms, NGOs	1.0	Firm, NGO	2	2	100.00	1.00
Planning/Design Consultants	1.0	Firm	10	10	100.00	1.00
Procure Vehicles	1.0	Nos.	13	13	100.00	1.00
Procure Steel Sheet Piles	1.0	M. Tons	815	815	100.00	1.00
Procure Equipment	1.0	Nos.	1	1.0	0.98	0.98
<b>OUTPUT 1: INSTITUTIONAL STRENGTHENING OF THE SECTOR</b>						
Capacity enhancement of LGED	1.0	Nos.	510	470	92.16	0.92
Institutional Strengthening of DOC	1.0	Nos.	10	10	100.00	1.00
Improved performance monitoring	1.0	Nos.	100	100	100.00	1.00
<b>OUTPUT 2: PARTICIPATORY SUBPROJECT DEVELOPMENT</b>						
Review and update PSPD Process	1.0	Nos.	100	95	95.00	0.95
Assisting IWRMU and LGED to adhere to PSPD Process	1.0	Nos.	100	95	95.00	0.95
Review and refine capacity development plan	1.0	Nos.	300	300	100.00	1.00
Provide technical support to adopt O&M strategy	1.0	Nos.	1	1.0	100.00	1.00
Framework Strengthening	1.0	Month	45	42	93.33	0.93
Gender And Development	1.0	Nos.	27	25	92.59	0.93
<b>OUTPUT 3: SMALL WATER RESOURCES INFRASTRUCTURE &amp; PROJECT IMPLEMENTATION SUPPORT</b>						
<b>Subproject Identification and Feasibility - Stage 1</b>						
Proposals Submitted	1.0	Nos.	800	800	100.00	1.00
Proposals Pre-Screened	1.0	Nos.	800	800	100.00	1.00
Reconnaissance	2.0	Nos.	500	500	100.00	2.00
PRA	2.0	Nos.	360	360	100.00	2.00
Data Collection and Feasibility (New)	3.0	Nos.	345	345	100.00	3.00
Data Collection and Selection of Subproject (Enhancement)	2.0	Nos.	160	160	100.00	2.00
<b>Institutional Establishment and Design - Stage 2</b>						
<b>Pre-Const Institutional Development</b>						
Train Cas (540) and Field Facilitator (40)	1.0	Nos.	580	460	79.31	0.79
Formation of By-Law Drafting Committee	1.0	Nos. of SP	300	285	95.00	0.95
Promote WMCA Membership	2.0	Nos. of SP	300	285	95.00	1.90
Prepare Beneficiary List	1.0	Nos. of SP	270	270	100.00	1.00
Collect Beneficiary Contribution	2.0	Nos. of SP	270	270	100.00	2.00
<b>Detailed Engineering</b>						
Collect Data and Prepare Engineering Designs (New)	2.0	Nos. of SP	300	290	96.67	1.93
Collect Data and Prepare Engineering Designs (Enhancement)	1.0	Nos. of SP	160	160	100.00	1.00
Prepare Land Acquisition Plan	2.0	Nos. of SP	5	2	40.00	0.80
Prepare Mitigation Plan	1.0	Nos. of SP	300	288	96.00	0.96
Design/Mitigation Meetings	1.0	Nos. of SP	300	288	96.00	0.96
Sign Implementation Agreement	1.0	Nos. of SP	270	270	100.00	1.00
<b>Construction and First Year O&amp;M - Stage 3</b>						
Institutional Development During Construction	4.0	Nos. of SP	420	413	98.33	3.93
LCS Formation and Training for Earthwork (New)	2.0	Nos. of SP	225	225	100.00	2.00
LCS Formation and Training for Earthwork (Enhancement)	1.0	Nos. of SP	130	120	92.31	0.92
Tendering/Contracting of Structures for 420 Subprojects	4.0	Nos. of SP	420	420	100.00	4.00
Construction of 420 Subprojects	21.0	Nos. of SP	420	245	58.33	12.25
Mitigation/Compensation Measures	2.0	Nos. of SP	40	26	65.00	1.30
Tree Plantation	1.0	Nos. of SP	350	150	42.86	0.43
Agriculture and Fisheries Support	5.0	Nos. of SP	420	320	76.19	3.81
Establish O&M Committee and O&M Plan	2.0	Nos. of SP	270	255	94.44	1.89
First Year O&M	5.0	Nos. of SP	270	70	25.93	1.30
Long-Term Monitoring of Completed Subprojects	3.0	Nos. of SP	270	60	22.22	0.67
<b>ACTIVITIES CARRIED FORWARD FROM SSWII</b>						
Agriculture & Fisheries	1.0	Nos. of SP	62	62	100.00	1.00
Operation and Maintenance	1.0	Nos. of SP	249	249	100.00	1.00
Beneficiary Support	2.0	Nos. of SP	94	94	100.00	2.00
<b>Totals</b>	<b>100.0</b>					<b>80.05%</b>



**Participatory Small Scale Water Resources Sector Project**  
**List of Critical New Subproject by Performance**

LCS for Earth works																
Sl. No. of Batch	SP No.	Name of Subproject	Type	Name of District/Upazila	Component of Works	For Structure Works					LCS for Earth works					Remarks
						Date: Agreement/Completion	Original Contract Amount (Tk)	Contract Amount Sheet Pile (Tk)	Physical Progress (%)	LCS No.	LCS Contract (Tk)	Date: Agreement/Completion	Physical Progress (%)	Fund: ADB/IFAD-1/IFAD-2		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Batch-3: FY: 2012-13																
51	43073	Tunchar-Kalichar	WC	Laxmipur/ Sadar	- 1 Khal = 1.8 km - 2-V WRS (1.5m X 1.5m) - O&M Shed - Irrigation Drain = 1.6 km	18.05.2014 24.11.2015	13,795,548	13795548	25	5	2,109,439	12.12.2013 30.04.2014	100	IFAD-1	WRS Dropped. Contractor did unspecified lining of canal work. Revised planning submitted to XEN to settle with contractor. O&M Shed furniture not given. O&M Shed floor cracked and need repair.	
Batch-4: FY: 2013-14																
43	44116	Nakai Beel	FMC	Gaibandha/ Palaanoari	* WRS (2V-1.5m X 2.0m) * 2.50 km Khal * WMCA Office	24.09.2014 23.09.2015	7,491,696	7042817.54	10	3	830,587	23.04.2014 30.04.2014	100	ADB	Land acquisition proposal with DC, Gaibandha. Public oppositional for land acquisition. Layout given on request of EE.	
59	44132	Dakshin Char Ababil	DR&WC	Laxmipur/ Raipur	* 4 Khal = 12.45 km. Km * Irrigation Pucca drain = 2 km * 4 Box culverts (1V-3.0m X 3.0m, 1V-3.0m X 3.5m, 2V-3.0m X 3.0m & 1V-2.5m X 3.0m) * WMCA Office	05.03.2015 11.03.2016	16,159,031	16159031	65	22	10,207,036	20.11.2014 30.04.2015	25	IFAD-2	Out of 4 only 1 culvert to be executed but not yet started. O&M Shed started but construction delayed. Will be completed by December 2016.	
					2		23,650,717	23201848.54		25	11037623				34,239,472	
Batch-5: FY: 2014-15																
4	45147	Boro Karai-Derpar Kaduti SP	WC, DR & IRR	Comilla/ Chandina	WRS (4V-1.5m X 2.0m) Khal = 17.95 Km WMCA Office (12.0m X 6.0m) - Earthen dam (30m) - Outlet structure WRS (1V-1.5m X 1.5m) - 2 spillways (north & south) 3V-2.0m X 2.85m) each - 1 WRS (5V-1.5m X 1.8m) each - Repairing of 2 WRS (3-V 3.20m X 2.00m) & (8-V 1.5m X 1.8m) - Irrigation canal = 500m - WMCA Office (12m X 6m) Regulator = 1 (2V-1.5m X 1.8m)	20.07.2015 21.07.2016	12,154,225	11095662.92	60	18	8,111,721	25.03.2015 30.04.2015	8	ADB	WRS full lift done. Building not completed. 2 khal cannot be done be completed by Feb. 2017.	
10	45153	Bamerchhara	WC	Chittagong/ Banskhali		29.09.2015 31.10.2017	40,830,025	40830025.45	20					ADB	Dismantling of old structure took over time. Starting of main WRS to expedite. 5 vent check structure done. Line canal to start.	
19	45162	Pukurdia Naldugi	WC	Laxmipur/ Sadar	Pucca Irrigation Canal = 2.00 Km 1 Khal = 6.83 Km WMCA Office = 1	17.09.2015 23.09.2016	14,921,666	14921666	35	12	5,741,186	18.02.2016 30.04.2016	65	ADB	WRS work is has started after settlement with Noakhali Sadar. Revise design done & sent to district. People of Noakhali Sadar are now satisfied. Will be completed by February 2017.	
22	45165	Danail	WC, DR&IRR	Bansal/Bakerganj	Culvert 2 nos. 5 Khal = 13.556 km O&M Shed = 1	05.11.2015 27.11.2016	4,846,221	4846221	0	17	7,197,729	31.01.2015 30.04.2016	35	ADB	Contractor did not start even after issuing final notice which is also over. May be dropped	
23	45166	Burnadi-Jogdhara	WC, DR&IRR	Brahmanbaria/Nabinagar	1 Khal = 4.65 WMCA Office 1	09.11.2015 30.11.2016	1,308,359	1308359.34	0	12	5,433,453	09.11.2015 30.04.2016	50	IFAD-1	O&M Shed be completed by Feb. 2017. RLS not done. Will be completed by February 2017.	



Sl. No. of Batch	SP No.	Name of Subproject	Type	Name of District/Upazila	Component of Works	For Structure Works						LCS for Earth works				Remarks
						Date: Agreement/Completion	Original Contract Amount (Tk)	Contract Amount (Excluding Sheet Pile) (Tk)	Physical Progress (%)	LCS No.	LCS Contract (Tk)	Date: Agreement/Completion	Physical Progress (%)	Fund: ADB/IFAD-1/IFAD-2		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
29	45172	Birgaon-Tilokla Khal	WC	Brahmanbaria/ Nabinagar	1 Khal = 4.40 km Embankment = 7 2 WRS 1 WMCA Office	15.02.2015 23.08.2016	4,975,494	4975494	20	21	9,287,576	10.02.2015 30.04.2015	75	IFAD-2	O&M Shed completed. Revised drawing done by PIC. 2 WRS to be started in Dec. 2016.	
39	45182	Nilkuthi-Bhanga More	FMD	Gaibandha/Saghata	Regulator (1V-1.5m X 1.5m) Pipe culvert (1V-1200m) 2 box culverts (1V-1200m) each WMCA Office (12.0m X 6.0m)	03.01.2016 02.01.2017	7,144,211	6903831.38	5	16	6,745,672	12.12.2015 30.12.2016	90	IFAD-1	Base casting of regulator work ongoing.	
49	45192	Shankhamoni SP	FMD&WC	Dinajpur/ Birganj	* 2V WRS (1.5m X 1.8m) * Box culvert * 4.10 km Khal (dropped) * 1 O&M Shed.	14.09.2015 23.03.2017	10,546,085	9793472.54	75	6	2,506,774	27.01.2015 30.04.2015		ADB	Box culvert 2Vent may be dropped. Khal under case. WRS gate not fitted. Box culvert not started. O&M Shed not started as land not managed. May be dropped.	
50	45193	Madari Beel	DR&WC	Meherpur/Gangni	3 Khal re-excavation = 3.70 Km Road earthfill = 0.650 KM Box culvert = 1 (1-V 4.50m X 5.50m) WMCA Office = 1	03.04.2016 02.04.2017	5,245,462	5245462	20	19	9,284,645	17.08.2015 30.04.2016	98	IFAD-2	Work ongoing. Will be completed by February 2017.	
53	45196	Dighdaria Khal	FMD&WC	Natore/ Gurdaspur	Embankment = 3.75 km 2 Regulators (2V-1.50m X 1.80m), (1V-1.50m X 1.80m) 1 Box culvert (2V-2.00m X 2.50m) WMCA Office including rain water harvesting, electrification, office furniture	14.02.2016 19.02.2017	14,327,796	14327796.43	10	21	10,339,607	31.01.2016 30.04.2016	100	IFAD-1	Structure not started. Post work measurement not done. Will be completed by February 2017.	
55	45198	Shukti Beel SP	FMD&WC	Rajshahi/ Mohonpur	Regulator (2-V 1.5m X 1.8m) WMCA Office (12.0m X 6.0m) Khal Re-excavation = 5.07 km	10.01.2016 10.01.2017	9,089,348	8533707.82	10	15	5,589,525	20.10.2015 30.04.2016	50	ADB	Lintel level O&M Shed started. WRS not started.	
59	45202	Ramanandi Kutubpur	CAD	Laximpur/Sadar	5 Irrigation Line canals = 3.25 km 5 road crossing WMCA office = 1	05.06.2015 31.01.2017	15,374,768	15374768	20					ADB	Layout given on 25.09.2016. 2 road crossing needed.	
60	45203	Sonachhara	WC	Chittagong/Mirowsara	Earthen dam (85m) Spillway (3-V 3.0m X 2.0m) Reservoir outlet (1-V 1.5m X 1.5m) 5 Check structures (1-V 1.2m X 1.2m), (1-V 1.2m X 1.2m), (3-V 1.5m X 1.5m), (2-V 1.2m X 1.5m), (5-V 1.5m X 1.5m) WMCA Office	08.12.2015 06.01.2017	40,937,711	40937710.55	41	6	1,558,106	15.12.2015 30.04.2016	100	IFAD-1	Work ongoing. Compaction should be ensured.	
63	45206	Mithakhali	DR&WC	Progon/Mathbaria	Regulator 1 Pucca Drain 2 Box culvert 1 WMCA Office	13.04.2016 25.04.2017	11,269,480	10629411.7	20	25	10928471	15.11.2015 30.04.2016	100	ADB	Work ongoing.	



		LCS for Earth works														
		For Structure Works														
SP No.	Name of Subproject	Type	Name of District/Upazila	Component of Works	Date: Agreement/Completion	Original Contract Amount (Tk)	Contract Amount (Excluding Sheet Pile) (Tk)	Physical Progress (%)	LCS No.	LCS Contract (Tk)	Date: Agreement/Completion	Physical Progress (%)	Fund: ADB/ IFAD-1 /IFAD-2	Remarks		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
64	45207				WRS 4 vent (1.5m X 1.8m) = 1 Box culvert 4 vent (4m X 4m) = 1 WMCA Office = 1. Khal = 14.30 km.	16.03.2016 22.03.2017	18,889,405	18899405	35	28	15,520,188	24.12.2015 30.04.2016	90	IFAD-1	Work in progress. RLS not done.	
69	45212				1 Khal 1 WRS modification WMCA Office 3 Khal = 14.15 km	20.02.2016 22.02.2017	4,099,172	4099172	20	2	324,715	21.12.2015 19.05.2016	100	ADB	Work ongoing.	
70	45213				WRS = 3 WMCA Office = 1	22.03.2016 28.03.2017	24,219,268	24219268	0	23	12,240,957	24.11.2015 30.04.2016	70	IFAD-1		
					17	17	240,178,697	236931434.1		241	110,790,325	15	2	347,721,759		
Batch-6, FY: 2016-16																
2	46215				WRS =1 5 Khal = 13.97 km Link road = 1.2 Km WMCA Office = 1	30.05.2016 27.02.2017	18,460,536	18460535.58	20	11	3,296,645	19.01.2016 30.05.2016	20	ADB	Layout of structures provided.	
5	46218				WRS = 2 nos. 4 Khal = 16.96 km O&M Shed = 1	10.05.2016 27.02.2017	29,028,450	29028450	30	39	17,977,121	01.01.2016 30.05.2016	20	IFAD-1	Base casting of Jalar khal WRS done.	
9	46222				Rubber Dam (20.0m X 4.5m) = 1 WMCA Office (12m X 6m) with pump house= 1	27.01.2016 23.08.2017	51,100,205	46330511.06	23					ADB	Material taken at site could not start due to early monsoon.	
10	46223				WRS = 3 7 Khal = 15.47 km	07.06.2015 27.02.2017	27,369,121	27369121.25	5	28	13,682,757	11.01.2016 30.05.2016	95	IFAD-1	Work ongoing.	
12	46225				4 Khal = 6.16 km 1 Pucca line Canal = 3.5 km WMCA Office = 1	22.03.2016 29.03.2017	18,223,990	18223990	20	8	3,069,414	31.03.2016 30.04.2016	80	ADB	RLS not done	
14	46227				Work in progress • Modification of Existing Box Culvert • Construction of Box Culvert (1V-4.0m X 3.9m) • 2-vent WRS (1.5 X 1.8m) • 2.20 km khal • WMCA Office 2 Khal = 4 Km	03.02.2016 16.02.2017	2,825,021	2825021	65	26	14,634,010	14.12.2015 30.04.2016	50	IFAD-1	Regulator not yet fully done. O&M Shed floor & furniture not done.	
16	46229				RCC Irrigation Canal = 3.65 km 8 Khal = 17.20 Km WMCA Office = 1	14.03.2016 20.03.2017	15,636,104	15636104	30	7	3,006,386	07.01.2016 30.04.2016	0	ADB	LCS work not started.	
20	46233				WRS = 3 Pumping platform = 3 WMCA Office = 1	07.03.2016 05.02.2017	24,764,953	22925452.22	15	48	22,751,634	11.01.2016 30.05.2016	90	ADB	Dismantling of 1-Vent old pipe sluice going on. Work ongoing.	
21	46234				4 Khal = 10.00 Km WMCA Office = 1	01.06.2016 01.06.2017	1381811	1381811	0	19	7,998,659	06.01.2016 30.04.2016	25	ADB	O&M Shed not started. Earthwork be completed by Feb. 2017.	
29	46242				3 Khal = 5.520 Km Box culvert (1V- 3.50m X 3.50m) = 1 9 Pucca drain = 1,600 Km	23.03.2016 30.03.2017	12,500,048	12500048	0	13	5,182,628	06.01.2016 30.04.2016	90	ADB	Work ongoing. RLS not done as per design.	



Sl. No. of Batch		SP No.	Name of Subproject	Type	Name of District/Upazila	Component of Works	For Structure Works						LCS for Earth works					Remarks
							Date: Agreement/Completion	Original Contract Amount (Tk)	Contract Amount (Excluding Sheet Pile) (Tk)	Physical Progress (%)	LCS No.	LCS Contract (Tk)	Date: Agreement/Completion	Physical Progress (%)	Fund: ADB/IFAD-1/IFAD-2			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
30	46243	Solek Jughathi	WCD	Barisal/Upzpur	7 Khal 16.37 Km WMCA Office Drain = 300m Box culvert = 1 3 Khal (14.45+2.76+1.772) = 18.985 Km WRS (4-V 1.50m X 2.00m) & 3-V 1.50m X 2.00m) = 2 2 Irrigation pucca drain = 245m WMCA Office = 1 2 Khal = 1.45 Km Regulator = 1 (3V-1.5m X 1.8m) Culvert = 1 (1V-2.0m X 3.0m) WMCA Office = 1 1 Khal = 1 Km	06.06.2016 23.02.2017	3,544,138	3544138	10	26	12,907,780	29.02.2016 30.04.2016	25	IFAD-1	Work started			
31	46244	Tulsi-Timohony-Bhaduria	WCD	Dinajpur/Nawabganj	WRS (4-V 1.50m X 2.00m) & 3-V 1.50m X 2.00m) = 2 2 Irrigation pucca drain = 245m WMCA Office = 1 2 Khal = 1.45 Km Regulator = 1 (3V-1.5m X 1.8m) Culvert = 1 (1V-2.0m X 3.0m) WMCA Office = 1 1 Khal = 1 Km	04.11.2016 17.04.2017	20,373,544	20373544	0	38	17583917	12.02.2015 30.04.2016	100	ADB	Work ongoing. Post work measurement be taken. Khal excavation not as per design. RLS not done.			
43	46256	Adhajpur	FMD&WC	Naogaon/Badalgachhi	WRS = 1 (4V-1.5m X 1.8m) WMCA Office = 1 1 Khal = 1 Km	19.05.2016 24.05.2017	13,689,960	13689960	20					ADB	LCS work can't be done due to social conflict and land problem.			
44	46257	Hazipur	WCD	Saikhira/ Sadar	Foot bridge 1 2-vent regulator 1 WMCA Office = 1 1 Khal = 1 Km	04.04.2016 17.04.2017	8,217,224	8217224	20	4	1,383,234	25.11.2015 30.04.2016	100	ADB	Work ongoing.			
47	46260	Badar Mokam Khal	CAD	Feni/Sonagazi	WRS = 1 (4V-1.5m X 1.8m) WMCA Office = 1 1 Khal = 1 Km	09.03.2016 10.03.2017	18,030,670	18030670	20	40	19,269,363	23.11.2015 22.04.2016	95	ADB	Work ongoing.			
48	46261	Sierampur	CAD	Chapai Nawabganj/Sadar	RCC irrigation canal = 4145m Cross drain with pipe = 2 Pumping platform with stair = 1 WMCA Office = 1	08.05.2016 14.05.2017	16,375,981	16375981	20					ADB	Work not started			
50	46263	Khetrapara	FMD	Saikhira/Kalaroa	Embankment 2.5 Km Khal 1.3 Km 1 foot WRS 1 Bridge WMCA Office = 1	17.05.2016 15.02.2017	12,450,082	12450082	0	12	5,992,506	17.01.2016 30.04.2016	100	ADB	Work started.			
51	46264	Char Bhuta Hakim Ali	DR & CAD	Laxmipur/Sadar	2 Khal = 9.11 Km 11 RCC Canals = 1.95 Km WMCA Office = 1 (12.0m X 6.0m)	26.05.2016 31.01.2017	9,067,546	9067546	20	27	12,739,978		20	ADB	LCS Training not done.			
52	46265	Khal Ghat Basundia	FMD&WC	Jessore/Sadar	Regulator = 1 WMCA Office = 1	25.04.2016 09.05.2017	8,232,588	8232587.5	20					ADB	Sheet pile driven.			
53	46266	Nalshisa Khal	DR	Dinajpur/Nawabganj	* 6V WRS (1.5m X 2.0m) * 10.40 Km Khal * 1 O&M Shed 4 Khal = 20.29 Km	04.03.2016 04.09.2017	16,518,652	14699477.92	20	26	12,475,936	20.12.2015 30.04.2017	100	IFAD-1	Post work measurement be taken. RLS done. WRS not started. O&M also not started.			
56	46269	Rampur	WCD	Noakhali/Companiganj	Regulator = 2 Culvert = 3 WMCA Office = 1	29.05.2016 27.02.2017	32,704,688	32704688	20	16	8,038,912	01.03.2016 29.03.2016	20	ADB	Base casing of Joytal khal WRS done. Layout given for 4-Vent WRS			
65	46278	Gorakhanathpur	CAD	Chapainawabganj/Sadar	Road crossing = 1 Pumping platform = 3 RCC line canal = 4.34 Km	19.05.2016 27.02.2017	25358282.13	25358282.13	35					ADB	Main 700m Lined Canal done. Stair not driven. Platform = 3 completed.	559,417,205		
					22		385,853,593	377425224.7		388	181991980							



Sl. No. of Batch	SP No.	Name of Subproject	Type	Name of District/Upazila	Component of Works	For Structure Works						LCS for Earth works				Remarks
						Date: Agreement/Completion	Original Contract Amount (Tk)	Contract Amount (Excluding Sheet Pile) (Tk)	Physical Progress (%)	LCS No.	LCS Contract (Tk)	Date: Agreement/Completion	Physical Progress (%)	Fund: ADB/IFAD-1/IFAD-2		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

Batch	No. of SP	ADB	IFAD-1 & IFAD-2	Original Contract Amount (Tk)	Contract Amount (Deducting Sheet Pile) (Tk)	LCS No.	LCS Contract (Tk)
Batch-3: FY: 2012-13	1	0	1	13795548	13795548	5	2109439
Batch-4: FY: 2013-14	2	1	1	23650717	23201848.54	25	11037623
Batch-5: FY: 2014-15	17	9	8	240178696.8	236931434.1	241	110790325
Batch-6: FY: 2015-16	22	17	5	385853593.4	377425224.7	388	181091980
Total	42	27	15	663478555.2	651354055.3	659	305929367



## Attachment 4

### Progress Status Report of Gender Action Plan (GAP) up to 11 December 2016

Activities, Indicators and Targets	Cumulative Progress up to 11 of December 2016
<p><b>Activities:</b> Establish Social Gender and Development Section (SGADS) in IWRMU and recruit women</p> <p><b>Indicators:</b></p> <ul style="list-style-type: none"> <li>❖ SGADS established with appropriate staff and TOR</li> <li>❖ Women recruited as Sociologist</li> <li>❖ Women recruited at various levels</li> <li>❖ SGADS in IWRMU sensitized on gender, and oriented on gender action plan</li> </ul> <p><b>Target:</b></p> <ul style="list-style-type: none"> <li>❖ 1 unit at LGED HQ with staff</li> <li>❖ 20% of the project staff are women</li> </ul>	<ul style="list-style-type: none"> <li>❖ LGED recently allocated a room for Gender Development and Social Unit and full time female staffs has been provided by PSSWRSP for this unit, while other projects have been providing office furniture and other necessary things.</li> <li>❖ One Senior Assistant Engineer (Female) of LGED has been nominated as Gender Focal Point for IWRM Unit;</li> <li>❖ 73 Assistant Water Resource Engineers (8 females) had been recruited at <u>district and HQ level</u>;</li> <li>❖ 390 Community Assistants (50% male and 50% female) have been recruited by WMCA (1 male and 1 female for each SP);</li> <li>❖ 62 Facilitators (4 females) have been recruited by NGO at <u>district &amp; upazila level</u>;</li> <li>❖ 65 Socio-economists (9 females) carried over from SSW2 at <u>district and HQ level</u>;</li> <li>❖ Gender Specific courses has been held; and a gender specific session had been held for all other training held in this project;</li> <li>❖ Gender specific session has been developed for all sorts of training conducted for LGED staff;</li> <li>❖ 3 courses on "Why Gender Matters" had been conducted for staff /officers of the project, IWRMU and LGED from HQ, districts and Upazila. Total participants were 110; out of that male 88 and female 22;</li> </ul>
<p><b>Activities:</b> Capacity building in gender mainstreaming and implementation and orientation of GAP</p> <p>(i) LGED staff</p> <p>(ii) Project staff</p> <p>(iii) Partner agencies</p> <p>(iv) WMCA</p> <p>(v) LGI (union &amp; upazila parishad)</p> <p>(vi) PRA teams have</p>	<p>Capacity building in gender mainstreaming and implementation and orientation of GAP has been done for: LGED staff:</p> <ul style="list-style-type: none"> <li>* TOT on Gender in Water Management for Executive Engineers – 1 batch &amp; 24 Participants (23 Male &amp; 1 Female);</li> <li>* Gender Awareness Training for Engineers – 15 batches &amp; 469 Participants (454 Male &amp; 15 Female);</li> <li>* Foundation Training for LGED Engineers – 14 batches for 514 Participants (492 Male &amp; 22 Female);</li> <li>* DOC Training Workshops for LGED Staff – 3 batches &amp; 83 Participants (75 Male &amp; 8 Female);</li> </ul> <p>(i) Project staff:</p> <ul style="list-style-type: none"> <li>* TOT on Gender in Water Management for Socio-economist – 7 batches for 211 Participants (190 Male &amp; 21 Female); achieved 354 trainee days;</li> </ul>

Activities, Indicators and Targets	Cumulative Progress up to 11 of December 2016
<p>gender equity training.</p> <p><b>Indicators:</b></p> <ul style="list-style-type: none"> <li>Gender and IWRM training imparted to different levels of project/LGED staff</li> <li>Training manuals and materials of SSW-2 reviewed and modified integrating genders aspects</li> <li>A group of staff developed as gender trainers through training of trainers</li> <li>Staff of partner agencies imparted gender and IWRM related training on agriculture, fisheries, cooperative etc.</li> <li>Gender Action Plan translated and shared with all stakeholders with information on responsibilities of each group;</li> </ul> <p><b>Target:</b></p> <ul style="list-style-type: none"> <li>All existing materials reviewed</li> <li>New training material developed</li> <li>65 staff developed as trainers through 3 batches of TOT</li> <li># staff of DAE, # of DOF, # of DOC</li> </ul>	<ul style="list-style-type: none"> <li>* Why Gender Matters for PMO &amp; IWRM staff – 3 batches for 110 Participants (88 Male &amp; 22 Female);</li> <li>* Gender Awareness Training for Facilitators – 2 batches for 57 Participants (49 Male &amp; 8 Female);</li> </ul> <p>(ii) Partner agencies:</p> <ul style="list-style-type: none"> <li>* A total of 17 batches TOT on Gender in Water Management for Partner Agencies (DWA, DAE &amp; DOC) courses for 514 Participants (359 Male &amp; 155 female); achieved 1028 trainee days;</li> <li>* A total of 7 batches of Gender Awareness program had been held for Partner Agencies (DWA, DAE &amp; DOC) courses for 233 Participants (171 Male &amp; 62 female); achieved 233 trainee days.</li> </ul> <p>(iv) WMCA:</p> <ul style="list-style-type: none"> <li>* A total of 231 batches Gender Awareness Training for WMCA male and female members held for one day; and total 7100 Participants (3525 Male &amp; 3575 Female);</li> <li>* 152 batches one day training completed on "Role of Women in Decision Making Process for WMCA" for 4830 female participants,</li> <li>* Total 61 batches training on "IGA (Income Generating Activities) for Livelihood Development Activities for WMCA Female Members (in few cases male members joined) held for two days for 1998 participants (1946 Females and 52 males); achieved 4179 trainee days;</li> <li>* Total 15 batches training on "Operation and Maintenance" for male and female members of WMCA held for two days conducted where a gender session included as one of the topics. Total 60 participants (252 Male &amp; 108 Female);</li> </ul> <p>(v) LGI (union &amp; upazila parishad)</p> <ul style="list-style-type: none"> <li>* Total 25 batches Gender Awareness training for the Chairmen and Female Members of Union Parishad conducted for 1049 Participants (442 Males &amp; 607 Females) since inception;</li> </ul> <p>(vi) PRA Team</p> <ul style="list-style-type: none"> <li>* Gender Equity Training for PRA Team – 2 batches &amp; 43 Participants (25 Male &amp; 18 Female);</li> </ul> <p>(vii) Training materials developed for all above mentioned courses, and training materials also developed for "Gender Session in other Training"; for example:</p> <ul style="list-style-type: none"> <li>* Training on "Operation and Maintenance for male and female members of WMCA";</li> <li>* Foundation Training for Community Assistant;</li> <li>* Foundation Training for Facilitators;</li> <li>* Foundation training for project's Socio-economists;</li> <li>* TOT on WMCA's Basic Management for DOC Principal and Instructors;</li> <li>* Earthwork Methods for LCS Training;</li> </ul>



Activities, Indicators and Targets	Cumulative Progress up to 11 of December 2016
	<ul style="list-style-type: none"> <li>* Orientation for WMCA Management</li> <li>* O&amp;M (Operation &amp; Maintenance) Training for WMCA members;</li> </ul>
<p><b>Activities:</b> Establish a gender oriented &amp; sex disaggregated management information system</p> <p><b>Indicators:</b> Sex-disaggregated data collection system established Gender based analysis provided in reporting and management decision making ensured;</p> <ul style="list-style-type: none"> <li>• Gender focused case studies, best practices developed and disseminated</li> </ul> <p><b>Target:</b> 1 system established with appropriate gender indicators and tools</p> <ul style="list-style-type: none"> <li>• All quarterly and annual report integrates gender</li> </ul>	<ul style="list-style-type: none"> <li>• Project's Management Information System (MIS) had been modified and gender issues has been incorporated in every segment ensuring gender disaggregated data</li> <li>• Gender based analysis provided in all quarterly progress reports</li> <li>• Gender based analysis also provides to the project management for decision making purpose;</li> <li>• Case studies and best practices have been developed and disseminated through training and also published in quarterly progress reports and IWRM newsletters since inception of the project;</li> <li>• A total of Twenty one successful and self-reliant women, members of WMCA of various districts, received award on the Occasion of International Women's Day, started from the year 2011;</li> <li>• One of them even attended in an abroad study tour with LGED cost;</li> </ul>
<p><b>At the Sub-project level : Stage 1 – Subproject Identification and Feasibility</b></p> <p><b>Activities:</b> Every PRA team should include female staff. And have gender sensitization training.</p> <p><b>Indicators:</b></p> <ul style="list-style-type: none"> <li>* Every PRA has at least one female member;</li> <li>* PRA team members oriented on addressing gender</li> <li>* PRA Teams collect gender specific</li> </ul>	<ul style="list-style-type: none"> <li>• Reviewed 305 PRA reports on gender point of view. In the beginning 3-5 times review was required to accommodate the comments on gender and social issues while we also have to organize training for the PRA team. The teams gradually worked better than before when have female members in every team;</li> <li>• Gender Specialist had frequent meeting with PRA Team members.</li> <li>• PRA activities had been completed as no more project proposals required at this stage;</li> <li>• At least one female staff in each PRA team (total 12 PRA team/Firm) had been ensured during signing of PRA contract;</li> <li>• Out of 12 PRA team, 2 PRA team had Female Team Leaders;</li> </ul>

Activities, Indicators and Targets	Cumulative Progress up to 11 of December 2016
<p>data and report accordingly;  <b>Target:</b> All PRA team for all sub-project areas;</p>	
<p><b>Activities:</b> Separate meetings with men and women with data collection including gender specific data reported; <b>Indicators:</b></p> <ul style="list-style-type: none"> <li>• PRA team has arranged separate meetings with men and women;</li> <li>• Gender specific data collected and reported;</li> </ul> <p><b>Target:</b> All PRA in all sub project areas at least meetings with women</p> <ul style="list-style-type: none"> <li>• Women constitute at least 1/3<sup>rd</sup> of attendees</li> </ul>	<p>After several discussions and Gender Equity training to PRA team,</p> <ul style="list-style-type: none"> <li>• all teams conducted FGD and in-depth interview with men and women separately;</li> </ul> <p>A Gender specific separate chapter is mandatory for every PRA report and that is ensured with the focus on incorporating sex-disaggregated data in all relevant tables and photos;</p> <ul style="list-style-type: none"> <li>• They collected Gender-specific data, i.e. number of Female Headed Households, employment opportunity for women, etc to write the gender specific chapter;</li> <li>• Take photos with women activities or focus on women;</li> </ul> <p>Project's Gender Specialist checked and provided comments to 305 PRA reports, without that no reports had been finalized.</p>
<p><b>Stage 2 – Design and Institutional Establishment</b>  <b>Activities:</b> Formation of WMCAs &amp; Bye-Law Committee with one third female membership;  <b>Indicators:</b> Women represent one third of the WMCA, Bye Law Committee and all sub-committee membership and they have been trained;  <b>Target:</b> All sub-project WMCA and all Committees-</p> <ul style="list-style-type: none"> <li>• One third of all members in all WMCAs and in all committees;</li> <li>• All women</li> </ul>	<ul style="list-style-type: none"> <li>• A total of 270 WMCA has been formed as one in each sub-project</li> <li>• Total members in 270 WMCAs are 128,613 (77,732 Male &amp; 50,881 Female) and 39.6% members are women. <ul style="list-style-type: none"> <li>* A total of 270 Managing Committees (MC) had been formed and total MC Members are 3240 (2160 Male &amp; 1080 Female);</li> <li>* Total 270 Bye law drafting committees has been formed and most of them are trained and total members 2430 (1620 Male &amp; 810 Female);</li> </ul> </li> </ul>



Activities, Indicators and Targets	Cumulative Progress up to 11 of December 2016
members and committee members are trained;	
<p><b>Activities:</b> Preparation of mitigation measures to address negatively affected persons;</p> <p><b>Indicators:</b> Mitigation plans for negatively affected persons provide disaggregated impacts for men and women;</p> <ul style="list-style-type: none"> <li>• Considers gender based needs while planning mitigation and include specific proposals;</li> </ul> <p><b>Target:</b> All affected persons; and</p> <ul style="list-style-type: none"> <li>• All mitigation proposals;</li> </ul>	<ul style="list-style-type: none"> <li>• Issues have been included in the Resettlement Framework (RF);</li> <li>• These are following on a regular basis by concerned staff: <ul style="list-style-type: none"> <li>* Specific lists of affected persons have to prepare for compensation; and</li> <li>* Resettlement Plan (RP) has to prepare for every proposed Sub-project;</li> </ul> </li> <li>• Gender issues have been included in the approved Resettlement Framework (RF) and specific Resettlement Plan (RP) has been prepared and compensation ensured accordingly;</li> </ul>
<p><b>Activities:</b> In preparing beneficiary or affected peoples lists, female headed households, and households with disabled people are listed separately</p> <p><b>Indicator:</b></p> <ol style="list-style-type: none"> <li>Separate lists for female headed households and subproject sites;</li> <li>Women included in the list receive benefit package</li> </ol> <p><b>Target:</b> All affected persons including the female heads of households and households with disables are listed to receive benefit;</p>	<ul style="list-style-type: none"> <li>• RP has been implemented in a total of 23-SPs and identified affected persons (APs) while confirmed Entitled persons (EP<sup>1</sup>s) are 1947 (1793 Male and 154 Female) and they all received payment of compensation while total amount paid Tk.194,29,191.00/=</li> <li>• No additional compensation is given to FHH or vulnerable people as there was only agricultural land use affected and not eligible for additional compensation.</li> <li>• Earlier Female headed households (FHH) and households with disabled people were listed separately and given additional compensation in addition to their loss of asset.</li> </ul>

<sup>1</sup> Entitled persons (EPs) are selected from APs

Activities, Indicators and Targets	Cumulative Progress up to 11 of December 2016
<p><b>Stage 3 – Construction and First Year of Operations and Maintenance</b></p> <p><b>Activities:</b> Implementation of mitigation and compensation measures treats women and men equally. <b>Indicators:</b></p> <ul style="list-style-type: none"> <li>i) Mitigation and compensation measures implemented and treat women and men equally including alternative livelihood opportunity;</li> <li>ii) Special package for women as per resettlement plan</li> </ul> <p><b>Target:</b> All affected persons are listed to receive benefit including the:</p> <ul style="list-style-type: none"> <li>• female heads of households, and</li> <li>• households with disables;</li> </ul>	<ul style="list-style-type: none"> <li>• Total 1793 men received compensation, out of that only <ul style="list-style-type: none"> <li>* 8-men received additional compensation @2000 taka each as vulnerable person in addition to their loss of asset;</li> </ul> </li> <li>• Total 154 women received compensation, out of that only <ul style="list-style-type: none"> <li>* 9-women received additional compensation @3000 taka each as Female Headed Household (FHH) in addition to their loss of asset;</li> </ul> </li> <li>• Female Headed Household (FHH) or vulnerable people were not given any additional compensation as it was reported that no eligible persons was there for additional compensation.</li> </ul>
<p><b>Activities:</b> LCS trainers received TOT training and training on LCS guidelines</p> <p><b>Indicators:</b></p> <ul style="list-style-type: none"> <li>• Staff/Facilitators received TOT for LCS;</li> </ul>	<p>Gender specific session has been developed and conducted during TOT, staff training of project and LGED and for LCS training; LCS work considered as an opportunity for the destitute women for getting employment nearer household area and project has objective for equal payment of wages;</p> <ul style="list-style-type: none"> <li>• A total of 5 courses of TOT on LCS held for 148 participants (male 137 &amp; female 11) for Socio-economists, Sub-assistant Engineers and Community Organizers;</li> </ul>



Activities, Indicators and Targets	Cumulative Progress up to 11 of December 2016
<ul style="list-style-type: none"> <li>TOT training for LCS trainers included session on gender issues</li> <li>Women and men crews receive equal wage for work of equal value;</li> <li>Support services given as per LCS guidelines</li> </ul> <p><b>Target:</b></p> <ul style="list-style-type: none"> <li>All # Trainers received training</li> <li>All LCS crew receive training, services and equal wages;</li> </ul>	<ul style="list-style-type: none"> <li>A total of 989 courses of LCS training held for 103,854 poor people, out of them 68,854 men and 35,000 women received training as LCS labor on "Earthwork methods for LCS" for one day. Total money spent for LCS training amount is Tk.405,279,538.00/=;</li> <li>LCS training was organized and conducted by PMO/PIC and LGED officers/staffs of Districts/Upazila and held at field level/ project site;</li> <li>Total 88014 LCS labors (male 57801 and female 30213) worked for this project since inception as per MIS;</li> <li>LCS payment to the all labors has been paid a total amount of Tk.449,862,098.00/= and to male labors (Tk.337,396,569.00/= and to female labors Tk.112,465,529.00/= have been paid);</li> <li>It is noted that women received 25% of total amount.</li> </ul>
<p><b>Activities:</b> Women receive income generation skills training as per needs;</p> <p><b>Indicator:</b> Women and men are involved in IGA as per training received;</p> <p><b>Target:</b> All LCS women identified</p>	<p>Training on IGA (Income Generating Activities) for Livelihood Development Activities for WMCA Female Members held;</p> <ul style="list-style-type: none"> <li>* A total of 66 batches Training on IGA (Income Generating Activities) for Livelihood Development Activities for WMCA Female Members (in few cases male members joined) held for two days.</li> <li>* A total of 2100 Participants (2048 Female and 52 male) attended the courses and 97% trainees were women;</li> </ul> <p>A comprehensive need assessment had been done to get the demand of what sorts of training required on Income Generating Activities for female members of WMCAs.</p> <ul style="list-style-type: none"> <li>* Accordingly 30 batch of training had been organized for 900 female members of 30-WMCAs.</li> <li>* Demand led training on on-farm water management for 3-days each batch; 48 female and 114 male received training</li> <li>* Also 493 males and 232 females received training on agriculture resources management.</li> <li>* Total 30-batches of training on Women On-farm IGAs for vegetable cultivation and duck, poultry &amp; cattle rearing had been held for 900 selected female members from 30 WMCA for 2-days each so trainee days were 1800 for 30 batches.</li> </ul>
<p><b>Activities:</b> Women participate in poverty reduction plan preparation and benefit from its</p>	<p>3 workshops was held in BARD Comilla on sharing experiences and find out way forward how to prepare Poverty Reduction Plan for WMCAs;</p> <ul style="list-style-type: none"> <li>* PMO &amp; district staffs are following this in field for further proceed;</li> </ul> <p>To ensure Poverty Reduction Plan preparation is on-going with the priority</p>

Activities, Indicators and Targets	Cumulative Progress up to 11 of December 2016
<p>implementation;</p> <p><b>Indicators:</b></p> <p>i) Women members participate in planning process;</p> <p>ii) Women participate and share implementation responsibilities;</p> <p>iii) Women members benefit from the process equally;</p> <p><b>Target:</b> All poor members of the WMCA</p>	<p>of good SPs or WMCAs;</p> <ul style="list-style-type: none"> <li>* A total of 56 courses held on Poverty Reduction Plan preparation for 1280 participants (male 976 &amp; female 304) WMCA members, project field staffs and partner agencies field staff; the duration of the course was for 4-days and total trainee days achieved 5120 (male 3430 &amp; female 1690).</li> <li>* This would help WMCA to prepare their plan with the assistance of project field staffs and partner agencies; and</li> <li>* The staffs can also monitor their progress regularly</li> </ul>
<p><b>Activities:</b> One third of WMCA O&amp;M Committee members and those who plan O&amp;M are women;</p> <p><b>Indicators:</b></p> <ul style="list-style-type: none"> <li>• O&amp;M committees are established with one third of members being women</li> <li>• All O&amp;M Committee members are trained</li> <li>• Women effectively participate in O&amp;M meetings and activities</li> </ul> <p><b>Target:</b> All O &amp; M Committees have one third women active members;</p>	<p>270 WMCAs have been formed as one in each sub-project</p> <ul style="list-style-type: none"> <li>* Accordingly 270 O&amp;M Committees formed and most of them are trained;</li> <li>* Total O&amp;M Committees members are 2430 (1620 Male &amp; 810 Female);</li> </ul>



## PROJECT SPECIFIC COVENANTS - AS DISPLAYED IN LEGAL AGREEMENTS

Product	Schedule	Para No.	Description	Remarks/Issues	Type
Loan 2542	4	1	Financial reports to be submitted to ADB	Being Complied	Financials
Loan 8248	3	1	The Borrower shall ensure that all disbursements under the Financing shall be made in accordance with ADB's Loan Disbursement Handbook (January 2007, as amended from time to time).	Being complied	Financials
Loan 8248	1	2	2. Project Monitoring.  (a) Within six (6) months of the date of entry into force of this Agreement, the Project Management Office shall submit a detailed implementation-monitoring Plan to the Fund for review and concurrence. The Project Management Office shall also conduct initial baseline physical and socio-economic surveys on each of the subprojects during the Project Implementation Period.	Complied	Others
Loan 8250	1	2	2. Project Monitoring.  (a) Within six (6) months of the date of entry into force of this Agreement, the Project Management Office shall submit a detailed implementation-monitoring Plan to the fund for review and concurrence. The Project Management Office shall also conduct initial baseline physical and socio-economic surveys on each of the subprojects during the Project Implementation Period.	Complied	Others
Loan 8248	1	2	2(b). within nine (9) months of the date of entry into force of this Agreement, the Project Management Office shall establish a project monitoring system with gender disaggregated data. The Local Government Engineering Department shall ensure that the Implementation Monitoring and Evaluation Division shall conduct a performance evaluation of the project services and shall submit its evaluation report to the Fund not later than six (6) months after the Project Completion Date.	Complied i) IMED report is not yet due	Others
Loan 8250	1	2	2(b). within nine (9) months of the date of entry into force of this Agreement, the Project Management Office shall establish a project monitoring system with gender disaggregated data. The Local Government Engineering Department shall ensure that the Implementation Monitoring and Evaluation Division shall conduct a performance evaluation of the project services and shall submit its evaluation report to the Fund not later than six (6) months after the Project Completion Date.	Complied i) IMED report is not yet due	Others
Loan 8250	3	3	The Borrower shall ensure that all	Being complied	Financials

			disbursements under the Financing shall be made in accordance with ADB's Loan Disbursement Handbook (January 2007, as amended from time to time).		
Loan 2542	5	6	The Borrower shall provide counterpart funds for Project implementation on time. The Borrower shall make timely submission of annual budgetary appropriation request and ensure prompt disbursement of appropriated funds during each year of Project implementation.	Being Complied	Financials
Loan 2542	5	9	The Borrower and LGED shall ensure that there shall be no overlap of activities or program between the subprojects funded under this Project and projects funded by other DPs	Being Complied	Others
Loan 2542	5	10	The Borrower and LGED shall ensure that prior to the scheduled midterm review, LGED shall have included in its revenue budget posts and allocate funds to all existing posts in IWRM. Furthermore, all LGED Regional offices shall have created and filled posts under revenue budget for Senior Sociologist and Assistant Engineer (Water Resources) and allocated budget for these post. In specific, the creation of these posts at the LGED Regional Offices shall be carried out in stages, in accordance with the following schedule (i) within 12 months of the Effective Date, the posts shall have been created and budgeted in four LGED Regional offices, (ii) within 36 months of the Effective Date, the posts shall have been created and budgeted in another four LGED Regional offices, and (iii) within 60 months of the Effective Date, the posts shall have been created in and budgeted in two additional LGED Regions.	Complied	Others
Loan 2542	5	11	Within 9 months of the Effective Date, LGED shall create a Project website to disclose information about various matters on the project, including procurement. With regards to procurement, the website shall include information on the list of participating bidders, name of the winning bidder, basic details on bidding procedures adopted, amount of contract awarded, and the list of goods/ services procured.	A project website under LGED website created and providing information on procurement and project details	Others
Loan 2542	5	12	Within 9 months of the Effective Date, LGED shall prepare a grievance redress mechanism, acceptable to ADB, and establish a task force at LGED to receive and resolve complaints/grievances or act upon reports from stakeholders on misuse of funds and other irregularities, including grievances due to resettlement.	Being Complied	Safeguards
Loan 2542	5	13	Borrower and LGED shall ensure the all land and right-of-way required for the Project shall be made available in a timely manner	Being Complied	Safeguards



			and compensation calculated in accordance with RF have been paid to affected people prior to any civil works contract award		
Loan 2542	5	14	The Borrower shall ensure that the design, environmental assessment, construction, operation, implementation and environmental monitoring of all Project facilities shall be carried out in accordance with the IEE and the EARP agreed between the Borrower and ADB, and comply with the Borrower's environmental laws and regulations and ADB's Environment Policy (2002).	Being Complied	Safeguards
Loan 2542	5	15	The Borrower and LGED shall ensure the Project shall be prepared and implemented in accordance with the IPDF that has been prepared and agreed between the Borrower and ADB and the ADB's Policy on Indigenous Peoples (1998).	Being Complied	Safeguards
Loan 2542	5	16	To ensure that women benefit equally from the Project and interventions avoid gender bias, the Borrower and LGED shall ensure that the Gender Action Plan that has been prepared and agreed between the Borrower and ADB is duly considered and complied with, and its principles incorporated in Project planning and implementation.	Being Complied GAP has been prepared, agreed and followed	Social
Loan 2542	5	17	The Borrower and LGED shall ensure that the civil works contractors, including the LCS, comply with all applicable labor, health, and safety laws and regulations of Bangladesh and, in particular, (a) do not employ child labor for construction and maintenance activities, and (b) provide appropriate facilities (latrines, etc.) for workers at construction sites. The Borrower shall require contractors including the LCS not to differentiate wages between men and women for work of equal value.	Being Complied	Social
Loan 2542	5	18	The Borrower shall ensure that specific clauses shall be included in bidding documents to ensure adherence to these provisions, and that compliance shall be strictly monitored during project implementation.	Being Complied	Social
Loan 2542	5	19	1. Project Monitoring  a. Within 6 months of the Effective Date, the PMO shall submit a detailed implementation-monitoring plan to ADB for review and concurrence. The PMO shall also conduct initial baseline physical and socioeconomic surveys on each of the subprojects during the Project implementation period.	Being Complied.	Sector
Loan 2542	5	20	1. Project Monitoring  b. Within 9 months of the Effective Date, the PMO shall establish a PPMS with gender	Being Complied. i) PPMS done ii) IMED report not	Sector

## Attachment 5

			disaggregated data. LGED shall ensure that IMED shall conduct evaluation of the project services by and shall submit its evaluation report to ADB not later than 6 months after the completion of the Project.	yet due	
Loan 2542	5	21	In the event IFAD Loan cannot be obtained, such loss or reduction of funding shall not be financed from the proceeds of the Loan. The Borrower shall make alternative arrangements, satisfactory to ADB, necessary to cover the funding shortfall.	IFAD commitment exists.	Financials