



The World Bank

Coastal Region Water Security and Climate Resilience Project (P145559)

REPORT NO.: RES36269

RESTRUCTURING PAPER
ON A
PROPOSED PROJECT RESTRUCTURING
OF
COASTAL REGION WATER SECURITY AND CLIMATE RESILIENCE PROJECT
APPROVED ON DECEMBER 16, 2014
TO
THE REPUBLIC OF KENYA

June 25, 2019

WATER GLOBAL PRACTICE
AFRICA REGION

This document has a restricted distribution and may be used by recipients only in the performance of their official duties. Its contents may not otherwise be disclosed without World Bank authorization.



The World Bank

Coastal Region Water Security and Climate Resilience Project (P145559)

Regional Vice President:	Hafez M. H. Ghanem
Country Director:	Carlos Felipe Jaramillo
Senior Global Practice Director:	Jennifer J. Sara
Practice Manager/Manager:	Catherine Signe Tovey
Task Team Leader:	Xiaokai Li



CURRENCY EQUIVALENTS
 (Exchange Rate Effective as of March 18, 2019)
 Currency Unit = Kenya Shilling (KES)
 KES 100.38 = US\$1.00
 US\$1.00 = SDR 0.72

FISCAL YEAR
 July 1 – June 30

ABBREVIATIONS AND ACRONYMS

CDA	Coastal Development Authority
EHS	Environmental Health and Safety
ESIA	Environmental and Social Impact Assessment
ESMP	Environmental and Social Management Plan
FA	Financing Agreement
GBV	Gender-based Violence
GoK	Government of Kenya
IDA	International Development Association
KWASCO	Kwale Water and Sewerage Company
KWSCR-2	Coastal Region Water Security and Climate Resilience Project
M&E	Monitoring and Evaluation
MOWASCO	Mombasa Water and Sewerage Company
MoWS	Ministry of Water and Sanitation
NT	National Treasury
ODF	Open Defecation Free
PAH	Project Affected Household
PAP	Project Affected Person
PDO	Project Development Objective
PIM	Project Implementation Manual
PMU	Project Management Unit
RAP	Resettlement Action Plan
RPF	Resettlement Policy Framework
SDR	Special Drawing Rights
US\$	United States Dollars
VMGP	Vulnerable and Marginalized Groups Plan
WPA	Water Purchase Agreement



BASIC DATA

Product Information

Project ID P145559	Financing Instrument Investment Project Financing
Original EA Category Full Assessment (A)	Current EA Category Full Assessment (A)
Approval Date 16-Dec-2014	Current Closing Date 31-Dec-2021

Organizations

Borrower THE REPUBLIC OF KENYA	Responsible Agency Ministry of Water and Sanitation
-----------------------------------	--

Project Development Objective (PDO)

Original PDO

The development objective of this project (KWSCR-2) is to sustainably increase bulk water supply to Mombasa County and Kwale County, and increase access to water and sanitation in Kwale County.

Summary Status of Financing

Ln/Cr/Tf	Approval	Signing	Effectiveness	Closing	Net Commitment	Disbursed	Undisbursed
IDA-55430	16-Dec-2014	13-Jan-2015	11-May-2015	31-Dec-2021	200.00	9.88	173.43

Policy Waiver(s)

Does this restructuring trigger the need for any policy waiver(s)?

No



I. PROJECT STATUS AND RATIONALE FOR RESTRUCTURING

A. Project Background

1. The International Development Association (IDA) credit in the amount of SDR 131.8 million (US\$200 million equivalent) was approved by the Board of Executive Directors on December 16, 2014 with a project development objective (PDO) to sustainably increase bulk water supply to Mombasa County and Kwale County, and increase access to water and sanitation in Kwale County. The project became effective on May 11, 2015 and the closing date is December 31, 2021. The project has three components. Component 1 (or Part A) Mwache Dam and Related infrastructure (US\$165 million) will finance the construction of the main dam (Mwache), one check dam (lower check dam), raw water transmission lines to the water treatment plant, transport infrastructure (roads) and electro-mechanical equipment and buildings. It also finances conservation activities for sustainable land and water management in the Mwache catchment. Component 1 has two sub-components: SC1.1. civil works and related infrastructure; and SC1.2. Mwache catchment management. Through this restructuring, a dedicated sub-component (SC1.3.) Mwache Dam Environmental and Social Management Plan (ESMP) and Resettlement Action Plan (RAP) implementation will be created under this component. Component 2 (or Part B) Kwale County Development Support (US\$25 million) supports development in Kwale County where the Mwache Dam is located, through investments in water supply and sanitation in rural communities and small towns, an irrigation demonstration scheme with a check dam (the Upper Check Dam) as water source, and livelihoods improvement activities. Component 2 has four sub-components: SC2.1 water supply investment (covering urban and rural water supply); SC2.2 sanitation investment; SC2.3. sustainable livelihoods improvement; and SC2.4 irrigation demonstration scheme which covers the 100 ha irrigation demonstration scheme and the Upper Check Dam on Mwache river that is the water source for the irrigation scheme (which will be shifted to SC1.1 under this proposed restructuring for easy management). Component 3 (or Part C) Project Management (US\$10 million) support project implementation through financing office facilities, equipment, staff and consultant services, training and operating costs.

B. Current implementation status

2. The progress of implementation of the project to date has been slow. The project has been in problem status and rated moderately unsatisfactory for implementation progress and PDO achievement for the last 19 months. Current project disbursement stands at 5 percent after more than four years of implementation. The disbursement for FY19 stands at US\$2.5 million. The slow implementation progress and low disbursement was due to the lack of implementation readiness at appraisal, and significant delays in preparing safeguards instruments for World Bank approval, particularly the resettlement action plan (RAP) for the Mwache Dam. In addition, the Kwale Development Support Component, implementation of which was expected to advance ahead of the dam, has also encountered slow implementation progress, mainly because of procurement delays and poor coordination of project activities. By mid-term review (MTR) in October 2018, substantive activities had commenced under all sub-components except Mwache Dam construction and the irrigation demonstration scheme. Implementation progress and disbursement are expected to pick up significantly once the Mwache Dam contract, awarded in March 2019, is signed (scheduled by end of June 2019). Further, implementation of the Kwale County Development Support Component is picking up. There is renewed focus and commitment to the project by the County Government at the highest level, and most of the preparatory activities including designs and bidding documents for urban water supply works, procurement of consultants and mobilization of communities for sanitation and livelihood activities have been completed. With several water supply, sanitation and livelihood activities now under implementation, the progress and disbursements under this component are also expected to pick up significantly.

C. Rationale for restructuring



3. The rationale for the restructuring is three-fold: first, to incorporate innovative and best-practice mitigation measures to further minimize risks associated with large-scale resettlement required under Mwache Dam in light of findings from the recently updated RAP, ahead of the signing for the Mwache dam civil works contract; second, to ensure greater clarity amongst stakeholders regarding the governance, long-term institutional and financial arrangements for bulk water management in the coast region, including for the management of Mwache dam; and third, to cancel US\$80 million equivalent of the IDA Credit as requested by the Government, to allow for a greater share of counterpart financing of the dam civil works and livelihood activities under Kwale county using the Government's own resources.

4. *Mitigating risks associated with large scale resettlement.* Following optimization of the Mwache Dam design completed in February 2017, the RAP had to be updated. The updated RAP covering the first phase of the Mwache civil works including the Mwache Dam, the lower check dam and associated roads, was completed in April 2019 and approved by the World Bank and disclosed on June 6, 2019. The key features of the RAP include: (i) a total number of 7,541 persons from 2,452 households in 20 villages and eight public/community institutions in Kwale county will be directly affected; and (ii) a total of 1,360 ha of land which belongs to 1,394 households will need to be acquired for the construction and operation of Mwache dam and related infrastructure. The RAP update provided a good opportunity to reassess the related risks and incorporate latest best practice for high risk infrastructure projects, notably (i) the need for all parties to have clarity that resettlement ultimately drives construction timelines; and (ii) recognizing resettlement as a complex undertaking requires dedicated technical assistance and implementation oversight.

5. *Strengthening long-term institutional arrangements for bulk water scheme.* It is important to have a clear roadmap for all parties concerned regarding the long term governance, institutional and financial sustainability of major bulk infrastructure investments such as the Mwache Dam, which will serve four counties. During the February 2019 high level World Bank mission on Kenya water portfolio, it was agreed that the project needs to be restructured to introduce more robust milestones to firm up institutional arrangements and risk mitigation measures to ensure the successful operation and long-term sustainability of these major investments.

6. *Partial cancellation of IDA credit.* On March 18, 2019, the World Bank received a letter from the National Treasury (NT) on behalf of the Government of Kenya (GoK) requesting for project restructuring and partial cancellation of US\$80 million equivalent from the un-disbursed IDA credit proceeds. The GoK committed itself in the same letter to providing adequate domestic resources to complete the project, with both national and county governments confirming that the Mwache Dam remains their high priority. This partial cancellation is being accompanied by a reallocation and front-loading of IDA resources to support priority activities and livelihood investments.

7. The proposed changes were discussed and agreed with the NT, the implementing agency Ministry of Water and Sanitation (MoWS) and the Kwale county government during the February 2019 high-level World Bank water portfolio review mission, and in more detail during the March 2019 project restructuring mission.

D. Summary of main changes:

8. The major changes to be made through this restructuring include:

(i) *PDO and components:* The PDO will need to be modified to reflect the proposed changes in the project scope. Based on evolving local government priority and slow implementation to date, the water supply investments for the urban areas of Ukunda, Lunga Lunga and Msambweni towns in Kwale county (under Component 2) will be dropped. A small-scale bulk water infrastructure scheme will be built to enhance access to water for rural



communities in areas adjacent to Mwache Dams (this may include construction of a modest reservoir). Further, a separate sub-component (SC1.3: Environmental and Social Management, for the ESMP and RAP Implementation for Mwache Dam) will be introduced under Component 1, to ensure availability of dedicated resources and clear accountability for safeguards implementation. There will also be changes to the livelihoods improvement sub-component to consolidate and coordinate with activities targeting the same communities;

(ii) *Results framework*: Some changes need to be made to selected indicators and corresponding targets, mostly in relation to Component 2, to align with the proposed component and cost/financing adjustments;

(iii) *Project costs and financing*: The project cost estimates will be adjusted to reflect the cost savings from international competitive bidding for the Mwache Dam contract, and the cost increase in some activities such as the Mwache Dam RAP implementation and construction of the upper check dam (which is part of the integrated Mwache Dam complex as described in Section D below). The financing plan is also to be adjusted to reflect the GoK's request for cancellation of US\$80 million equivalent from the IDA credit of the project, and the Government's commitment to co-financing US\$139.56 million of the project costs;

(iv) *Credit fund reallocation and disbursement estimates*: Reallocation between disbursement categories is needed to reflect the partial cancellation of the IDA financing and increased financial contributions from GoK for each component. Limited fund reallocation between Component 1 and Component 2 is also necessary to align with the above-mentioned changes. A separate sub-grant category needs to be created to ensure the important Mwache watershed management and livelihoods support activities under Part A.2 and Part B.3 of the project are ring-fenced with dedicated financing under the IDA credit. The use of the sub-grant funds will be governed by a sub-grants manual defined in the Financing Agreement;

(v) *Social and environmental risk management*: The Mwache Dam project poses potential social and environmental safeguards risks to the local population: resettlement, labor influx, environmental, health and safety related risks. According to the updated RAP disclosed on June 6, 2019 which covers the bulk of the resettlement for Mwache Dam and lower check dam construction, a total of 7,541 project affected persons (PAPs) who are mostly vulnerable and marginalized will need to be relocated; 1,360 ha land will need to be acquired; and significant labor influx up to several hundred people during the construction period. To mitigate these risks, the following measures have been undertaken: (1) a resettlement action plan (RAP) implementation steering committee, chaired by the Kwale County Governor, has been established to guide and oversee the RAP implementation process; (2) the implementing agency, Ministry of Water and Sanitation (MoWS), will establish a dedicated RAP management team to manage the implementation of the RAP; (3) a consulting firm is being hired to undertake RAP implementation; (4) dam construction will be sequenced in line with RAP implementation, and key milestones have been integrated into the revised Financing Agreement; (5) the dam contractor will prepare and implement Environmental Health and Safety (EHS) and gender-based violence (GBV) and related management plans, as well as a code of conduct satisfactory to the World Bank; and (6) an international panel of environmental and social development experts (POE) has been established as an independent oversight mechanism for the safeguards implementation under the project;

(vi) *Long-term institutional arrangements for bulk water governance*: The restructuring aims to strengthen governance, institutional and financial arrangements for bulk water in the coast region, which is critical for sustainability of the investments made under the project. As detailed in Section II.G these arrangements include: (1) establishment of a joint authority for coastal bulk water management; (2) establishment of Management Entity for Mwache Dam; and (3) signing of a water service agreement, before the IDA credit closure; and



(vii) *Financing Agreement Amendment*: The Financing Agreement will be amended to reflect the above changes and introduce a number of legal covenants in relation to Mwache Dam construction sequencing, RAP and ESMP implementation, government counterpart funding, bulk water governance arrangements for the coast region and the dam operations management, so as to better manage associated risks.

II. DESCRIPTION OF PROPOSED CHANGES

9. The proposed restructuring will amend the PDO, results framework, components, costs and financing, allocations between disbursement categories, disbursement estimates and legal covenants to better align with current Government priorities, improve project performance, and better reflect the project needs. Key changes to be made include the following:

A. PDO: The project development objective will be modified by dropping the word ‘sanitation’ to align with the limited nature of rural sanitation activities to be implemented under the project (less than 2 percent of the project costs). The word ‘sustainably’ will also be deleted as it is difficult to measure. The revised project development objective will be to “increase bulk water supply to Mombasa County and Kwale County, and increase access to water in Kwale County”.

B. Results Framework: Some changes will be made to selected indicators and corresponding targets, mostly in relation to Component 2 - Kwale County Development Support to reflect the component and fund allocation adjustments as well as modification to the approach for implementation of sanitation interventions. Major changes are highlighted below:

i. PDO indicators:

- The sanitation indicator will be deleted to align with the removal of ‘sanitation’ from the PDO.
- Target values and dates will be amended to reflect the changes made to the project components. In particular, the targets for ‘total number of direct beneficiaries’ and the ‘number of people provided with access to improved water sources’ are to be scaled down in line with the reduced scope of water supply investments under Component 2.

ii. Intermediate outcome indicators:

- **Component 1: Mwache Dam and related infrastructure:** The indicator on implementation of the ESMP is to be moved from sub-component SC1.1 to the new sub-component SC1.3.
- **Component 2: Kwale County Development Support:** (i) Target values and dates for the indicator on the ‘number of people provided with access to improved water sources’ will be amended to reflect the reduced scope of water supply investments and the delay in implementation; (ii) the indicator on sanitation will be deleted and replaced with three new indicators to better reflect the activities and results including citizen engagement under this sub-component; (iii) the two indicators on the livelihoods improvement sub-component will be deleted and replaced with two new indicators that better measure the results of the sub-component; and (iv) the indicators on ‘Water users provided with new/improved irrigation and drainage services’ and ‘total beneficiaries from new/improved irrigation and drainage services’ under the irrigation demonstration scheme sub-component will be deleted as they have been captured in the indicator on ‘direct project beneficiaries’.

C. Project Components: The following changes will be made to the project components:



- i. The water supply investments for the urban areas of Ukunda, Lunga Lunga and Msambweni in Kwale county (under SC 2.1) will no longer be financed under the project. The related credit funds from the urban water supply scope reduction will be reallocated to support a rural water supply scheme for the local communities in the areas adjacent to the Mwache Dam through a structure to store water and/or other feasible option (under SC 2.1). The rural water supply scheme was requested by the Kwale county and the MoWS as a higher priority over the investments for the above-mentioned three towns. Upon completion of a feasibility study for the rural water supply scheme and an Environmental and Social Impact Assessment (ESIA), the scheme is expected to be designed and constructed within the same period as the Mwache Dam. Also, there will be changes to the sustainable livelihoods improvement (SC2.3) sub-component, where the investments on livelihoods improvement will be scaled down due to overlap with other project activities. The Upper Check Dam originally part of the irrigation demonstration scheme subcomponent (SC2.4) will be moved under the (Mwache dam) civil works and related infrastructure sub-component (SC1.1.) with significant cost increase because the costs of the Upper Check Dam (not part of the Mwache Dam construction contract) was greatly under-estimated at appraisal.
- ii. A separate sub-component, SC1.3 Environmental and Social Management, for the ESMP and RAP implementation for Mwache Dam under Component 1, will be created to ensure dedicated resources and clear accountability for safeguards implementation.

D. Changes in Project Costs and Financing:

- i. The project costs are expected to increase from an original US\$200 million (which does not include the GoK contribution for the RAP implementation costs) to an estimated amount of US\$244.55 million (including the GoK's contributions to the RAP implementation). The main changes under Component 1 include the following: the total costs of the component will be increased from US\$165 million to US\$210.55 million; the costs of the Mwache Dam RAP implementation increased from US\$6.5 million to US\$44.55 million; and the construction costs of the Mwache Dam (incl. main dam and lower check dam) decreased from US\$160 million to US\$148 million as a result of design optimization and competitive bidding. The cost of the Upper Check Dam, which is part of the integrated Mwache Dam complex, will see a significant increase from an originally underestimated US\$3 million to US\$13 million following update of design. The total costs of Component 2 will be slightly decreased from US\$25 million to US\$24 million. The main changes in costs under Component 2 are: the costs of livelihoods improvement sub-component (SC2.3) decrease from US\$5.5 million to US\$1.5 million; the costs of irrigation demonstration scheme (SC 2.4 without the Upper Check Dam) increase from US\$0.5 million to US\$2 million; that of the water supply investments sub-component (SC2.1) increase from US\$12 million to US\$16.5 million.
- ii. The financing plan will be amended to reflect the cancellation of US\$80.00 million equivalent from the IDA credit as requested by the GoK in March 2019, and to reflect GoK's commitment to finance project activities. The remaining IDA funds will be reallocated among different sub-components giving priority to the Mwache Dam civil works, and the RAP implementation consultancy (costing US\$3.05 million), and in view of the above-mentioned changes and adjustments in scale of the water supply investments, livelihoods improvement and irrigation demonstration, and the transfer of the Upper Check Dam from the irrigation demonstration sub-component (SC 2.4) to SC 1.1. As a result of the cancellation of US\$80.00 million equivalent and the loss of about US\$15.00 million equivalent due to variation of the exchange rates (US Dollar against SDR) since the approval of the credit, IDA contributions will decrease from US\$200.00 million equivalent to US\$105.00 million



equivalent and GoK contributions increase from US\$6.50 million to US\$139.56 million, as shown in Table 1 below.

Table 1. Original and Proposed Project Costs and Financing

Components and Sub-Components	Original Budget (US\$ Mill)		Revised Budget (US\$Mill)		
	IDA	GoK	IDA	GoK	Total
Component 1: Mwache Dam and Related Infrastructure	165.00	-	89.62	120.93	210.55
SC 1.1: Consultancy, Civil Works and Related Infrastructure	160.00	-	81.20	66.80	148.00
Upper Check Dam	-	-	3.00	10.00	13.00
SC 1.2: Mwache Catchment Management	5.00	-	2.37	2.63	5.00
SC1.3: Safeguards Implementation (RAP Consultant+Land+LRP)	-	6.50	3.05	41.50	44.55
Component 2: Kwale County Development Support	25.00	-	8.74	15.27	24.00
SC 2.1: Water Supply Investments	12.00	-	5.08	11.42	16.50
SC 2.2: Sanitation Investments	4.00	-	2.01	1.99	4.00
SC 2.3: Sustainable Livelihoods Improvement	5.50	-	1.14	0.36	1.50
SC 2.4: Irrigation Demonstration Scheme	3.50	-	0.50	1.50	2.00
Component 3: Project Management	10.00	-	6.64	3.36	10.00
Totals	200.00	6.50	105.00	139.56	244.55

E. Changes to Disbursement Categories and Disbursement Estimates:

- i. **Reallocation between disbursement categories:** There will be a reallocation of funds among different disbursement categories to accommodate the cancellation of US\$80 million equivalent including by adding a new sub-grants category to allow all remaining IDA to be used upfront. A separate disbursement category of sub-grants for Part A.2. and Part B.3 of the project has been created and is intended to support the beneficiary communities in undertaking watershed conservation and livelihoods development activities under the Mwache watershed management sub-component being implemented by the Coastal Development Authority (CDA) and under the livelihoods support sub-component by Kwale county respectively.

Table 2. Proposed Reallocation for IDA Credit 5543-KE

Category	Original (million SDR)	Original Percentage of Expenditures to be Financed (inclusive of Taxes)	Revised (million SDR)	Revised Percentage of Expenditures to be Financed (inclusive of Taxes)
(1) Goods, works, non-consulting services, consultants' services, training, sub-grants and operating Costs for Part A	108.70	100%	3.03	100%
(2) Goods, works, non-consulting services, consultants' services, training, sub-grants and operating Costs for Part B	16.50	100%	1.79	100%



Category	Original (million SDR)	Original Percentage of Expenditures to be Financed (inclusive of Taxes)	Revised (million SDR)	Revised Percentage of Expenditures to be Financed (inclusive of Taxes)
(3) Goods, consultants' services, training, and operating costs for Part C	6.60	100%	4.00	100%
(4) Goods, works, consultants' services, non-consulting services, training, and operating costs for Part A (except Sub-grants under Part A.2. of the project)	-	-	60.00	Up until 100%
(5) Goods, works, non-consulting services, consultants' services, training, and operating costs for Part B (except sub-grants under Part B.3)	-	-	4.30	Up until 100%
(6) Sub-grants under Part A.2. and Part B.3	-	-	1.08	100%
(7) Cancelled as of March 18, 2019			57.60	100%
TOTAL AMOUNT	131.80		131.80	

- ii. **Disbursement estimates:** The disbursement projection will also be revised as shown in Table 3 below to reflect the partial credit cancellation and the revised financing plan, the disbursement lag vis-a-vis current disbursement estimates, and the implementation schedules of awarded contracts, etc.

Table 3. Revised Disbursement Projection of IDA Funding

Fiscal Year	Planned at Appraisal (US\$ million)	Revised Projection (US\$ million)
2015	4.0	0.00
2016	7.0	3.42
2017	6.0	0.40
2018	35.0	2.99
2019	35.0	5.44
2020	55.0	35.77
2021	48.0	36.99
2022	10.0	20.00
Total	200.0	105.00

- iii. **GoK Funding:** The expected timing of GoK's funding is provided below. The GoK has committed to provide counterpart funding through inclusion of such financing in the annual budget.

Table 4. GoK Funding (US\$ million)



Fiscal Year	2015	2016	2017	2018	2019	2020	2021	2022	Total
GoK Funding	0.0	2.0	2.5	2.0	7.0	20.1	43.0	63.0	139.6

F. Strengthening Safeguards Aspects:

- i. Implementation of safeguard aspects will be strengthened as follows: (1) all the project works contracts will include requirements on environment, health and safety (EHS) and gender-based violence (GBV); (2) as indicated in section H (v) below, the implementing agency will be required to promptly notify the World Bank of any incident or accident related to or having an impact on the project, including but not limited to any project-related allegation of GBV or alleged violation of project-related labor and working conditions, which has, or is likely to have, a significant adverse effect on the environment, the affected communities, the public or workers, including, in accordance with the applicable Safeguard Instruments; and (3) additional assessments of potential downstream environmental and social risks are being undertaken and the ESMP for Mwache Dam is being updated accordingly.
- ii. In addition, structures to manage environmental and social aspects and particularly involuntary resettlement associated with Mwache Dam are being put in place: (1) an international panel of environmental and social development experts has been constituted as an independent oversight mechanism for the safeguards implementation under the project; (2) a RAP Implementation Steering Committee has been established, chaired by the Kwale County Governor, to guide and oversee the RAP implementation process; (3) a specific RAP Management Team is being established at the MoWS project management unit (PMU) fully dedicated to implementation of the RAP; and (4) the MoWS will hire by June 30, 2019 a RAP Implementation Consultant to support the RAP management team in implementing the RAP.
- iii. Further, the contract for civil works of the Mwache Dam includes a detailed integrated construction and project-related resettlement schedule, which sets out, inter alia, that civil works shall only proceed after a written communication with an order to proceed with works has been issued by the Government, confirming that resettlement has been fully completed in the pertinent area where the works are to take place, as confirmed by the RAP Implementation Consultant in a written report.

G. Institutional arrangements for bulk water in the coast region: The restructuring aims to strengthen governance, institutional and financial arrangements for bulk water in the coast region, which is critical for sustainability of the investments made under the project. These include: (1) establishment of a joint authority by December 31, 2020; (2) establishment of a joint authority for coastal bulk water management; and (3) establishment of Management Entity for Mwache Dam by June 30, 2021; and (3) signing of a water service agreement by November 1, 2021. It is envisaged that a joint authority with representation from the national government and related county government will be established as the overall governance structure for bulk water management in the Coast region. The final form/composition of the joint authority will depend on the results of the studies by the transaction advisory service consultants which are in the process of mobilization, as will the management entity for Mwache Dam. As an interim arrangement, a joint committee has been established through a memorandum of understanding (MoU) signed between the national government authorities (MoWS, water services regulator and water resources regulator) and the coastal counties. A water service agreement will be signed between the management entity for Mwache Dam and the (county) water utility to operationalize the Water Purchase



Agreement (WPA) signed between the MoWS and Mombasa county government in 2015, and generate the revenues required for sustainable operation of the Mwache Dam.

H. Legal Agreement: The Financing Agreement will be amended to reflect the different changes highlighted above, and introduce a number of legal covenants, as agreed with the Recipient, in relation to Mwache Dam construction sequencing, RAP and ESMP implementation, government counterpart funding and the dam operations management, in order to better manage associated risks. The main changes to the Financing Agreement are summarized below:

- i. To cancel a portion of the IDA financing as per GoK's request;
- ii. To adjust the disbursement categories, including by adding a new sub-grants category; and allowing all remaining IDA to be used upfront rather than on a pari-passu basis with GoK;
- iii. To modify the PDO;
- iv. To make revisions to the project description. This includes creation of a new sub-component under Component 1 (Part A.3) to specifically support implementation of environmental and social aspects related to construction of the Mwache Dam (originally part of Part A.1). The Upper Check Dam will be moved from under Component 2 (Part B.4 or SC 2.4) to Component 1 (Part A.1 or SC 1.1). The water supply works in three towns of Kwale county, namely, Ukunda, Lunga Lunga and Msambweni, shall be dropped from Component 2 (Part B.1); instead a rural water supply scheme (likely a small dam option) will be added;
- v. To significantly adjust the safeguards section to strengthen the GBV, EHS and grievance redress mechanism (GRM) management including institutional arrangements and incident reporting requirements, as well as to mitigate the project-related environment and social risks, particularly resettlement;
- vi. To add in the safeguards section several new covenants on the appointment and maintenance of structures to manage environmental and social aspects and particularly involuntary resettlement associated with Mwache Dam, as follows:
 - a. Requiring the MoWS to maintain the international panel of environmental and social development experts established as an independent oversight mechanism for the safeguards implementation under the project;
 - b. Establishment of a RAP Implementation Steering Committee, chaired by the Kwale County Governor, to guide and oversee the RAP implementation process;
 - c. Establishment of a specific RAP Management Team at the MoWS PMU fully dedicated to implementation of the RAP;
 - d. Requiring the MoWS to hire a RAP Implementation Consultant to support the RAP management team in implementing the RAP;
- vii. For purposes of carrying out Part A.1. of the project, the Recipient shall ensure that the contract for civil works under Part A.1. of the project include a detailed integrated construction and project-related resettlement schedule, satisfactory to the World Bank further to its review, which shall set out, inter alia, that civil works under Part A.1. of the project shall only proceed after a written communication with an order to proceed with works has been issued by the Recipient, confirming that resettlement has been fully completed in the pertinent area where the works are to take place, as confirmed by the RAP Implementation Consultant in a written report to the satisfaction of the Association;
- viii. To add a covenant on ensuring counterpart funding availability by the GoK, including for resettlement expenditures (and inclusion of such financing in the annual budget); and
- ix. To strengthen long term governance arrangements for bulk water in the coast region, by adding dated covenants on establishment of Management Entity for Mwache Dam and signing of water service agreement.



I. Risks:

- 10. The overall risk rating remains high, with all risk categories rated substantial or high. Notably environmental and social risks, as well as stakeholder risks are rated high. Risks and mitigation measures relating to safeguards and long-term institutional arrangements for bulk water management in the coast region have been discussed in Section F and G above.
- 11. An additional risk is that the current IDA credit closing date is December 31, 2021, which is prior to the anticipated date of completion of Mwache Dam construction and impounding of the reservoir (the civil works contract is an estimated 42 months, and thus the completion is expected in mid-2023). Related risks are mitigated as follows. The GoK has committed to provide sufficient funds to satisfactorily complete the remaining project activities (including the completion of Mwache Dam construction and project activities under Kwale county component) from its own resources. As part of implementation support/supervision, the World Bank will maintain regular engagement with the MoWS and the National Treasury (NT) on planning and budgeting of funds, and provision of funds at the time and in the amounts required. Other options may also be explored, based on implementation progress.

III. SUMMARY OF CHANGES

	Changed	Not Changed
Project's Development Objectives	✓	
Results Framework	✓	
Components and Cost	✓	
Cancellations Proposed	✓	
Reallocation between Disbursement Categories	✓	
Disbursement Estimates	✓	
Legal Covenants	✓	
Implementing Agency		✓
DDO Status		✓
Loan Closing Date(s)		✓
Disbursements Arrangements		✓
Overall Risk Rating		✓
Safeguard Policies Triggered		✓
EA category		✓
Institutional Arrangements		✓
Financial Management		✓



Procurement		✓
Implementation Schedule		✓
Other Change(s)		✓
Economic and Financial Analysis		✓
Technical Analysis		✓
Social Analysis		✓
Environmental Analysis		✓

IV. DETAILED CHANGE(S)

PROJECT DEVELOPMENT OBJECTIVE

Current PDO

The development objective of this project (KWSCR-2) is to sustainably increase bulk water supply to Mombasa County and Kwale County, and increase access to water and sanitation in Kwale County.

Proposed New PDO

The development objective of this project (KWSCR-2) is to increase bulk water supply to Mombasa County and Kwale County, and increase access to water in Kwale County.

COMPONENTS

Current Component Name	Current Cost (US\$M)	Action	Proposed Component Name	Proposed Cost (US\$M)
C1- Mwache Dam and Related Infrastructure	165.00	Revised	C1- Mwache Dam and Related Infrastructure	210.55
C2- Kwale County Development Support	25.00	Revised	C2- Kwale County Development Support	24.00
C3- Project Management	10.00	Revised	C3- Project Management	10.00
TOTAL	200.00			244.55



CANCELLATIONS

Ln/Cr/Tf	Status	Currency	Current Amount	Cancellation Amount	Value Date of Cancellation	New Amount	Reason for Cancellation
IDA-55430-001	Disbursing	XDR	131,800,000.00	57,600,000.00	18-Mar-2019	74,200,000.00	BORROWER'S REQUEST FOR COUNTRY REASONS

REALLOCATION BETWEEN DISBURSEMENT CATEGORIES

Current Allocation	Actuals + Committed	Proposed Allocation	Financing % (Type Total)	
			Current	Proposed
IDA-55430-001 Currency: XDR				
iLap Category Sequence No: 1	Current Expenditure Category: Gd,Wk,Ncs,Cs,Trn,Sub-grnts,Opc,PrtA			
108,700,000.00	2,411,856.41	3,030,000.00	100.00	100.00
iLap Category Sequence No: 2	Current Expenditure Category: Gd,Wk,Ncs,Cs,Trn,Sub-grnts,Opc,PrtB			
16,500,000.00	1,092,084.67	1,790,000.00	100.00	100.00
iLap Category Sequence No: 3	Current Expenditure Category: Gd, Cs,Trn,Opc Prt C			
6,600,000.00	1,071,118.51	4,000,000.00	100.00	100.00
iLap Category Sequence No: CAT 4	Current Expenditure Category: Gds, wks, Cs, Ncs, Trn, & operating costs for Part A (except sub-grants under Part A.2)			
0.00	0.00	60,000,000.00		100
iLap Category Sequence No: CAT 5	Current Expenditure Category: Gds, wks, Cs, Ncs, Trn, & operating costs for Part B (except sub-grants under Part B.3)			
0.00	0.00	4,300,000.00		100
iLap Category Sequence No: CAT 6	Current Expenditure Category: Sub-grants under Part A.2 and Part B.3 of the Project			



	0.00	0.00	1,080,000.00	100
Total	131,800,000.00	4,575,059.59	74,200,000.00	

DISBURSEMENT ESTIMATES

Change in Disbursement Estimates

Yes

Year	Current	Proposed
2015	4,000,000.00	0.00
2016	7,000,000.00	3,420,000.00
2017	6,000,000.00	400,000.00
2018	35,000,000.00	2,990,000.00
2019	35,000,000.00	5,440,000.00
2020	55,000,000.00	35,770,000.00
2021	48,000,000.00	56,990,000.00
2022	10,000,000.00	0.00

LEGAL COVENANTS

Loan/Credit/TF	Description	Status	Action
IDA-55430	Finance Agreement :Water Purchase Agreement Description :The Recipient shall enter into a WPA with the Mombasa County Government, in form and substance acceptable to the Association, detailing the volumes, pricing and services for the provision of water from Mwache Dam to the Mombasa County. Due Date :31-Dec-2015	Complied with	No Change
IDA-55430	Finance Agreement :Emergency Preparedness Plan Description :The Recipient shall (a) prepare and provide to the Dam Safety Panel and the Association the Dam Emergency Preparedness Plan; (b) finalize Plan taking	Not yet due	Revised



	into account the recommendations of said Panel, not later than twelve months prior to the projected date of initial filling of the reservoir to be constructed with respect to the Dam; and (c) maintain the organizational and other requirements of Plan Due Date :01-Dec-2019		
Proposed	Financing Agreement: Emergency Preparedness Plan Description :The Recipient shall a. prepare and provide to the Dam Safety Panel and the Association the Dam Emergency Preparedness Plan; b. finalize Plan taking into account Panel recommendations no later than 12 months prior to the projected date of initial filling of the reservoir. Due Date: 18 months prior to the filling of the reservoir	NYD	
IDA-55430	Finance Agreement :Dam Operation and Maintenance Plan Description :The Recipient shall: (a) prepare and provide to the Dam Safety Panel and the Association the Dam Operation and Maintenance Plan; (b) finalize said Plan taking into account the recommendations of said Panel, and not less than six months prior to the projected date of initial filling of the reservoir to be constructed with respect to the Dam; (c) maintain the organization and other requirements of. Due Date :01-Jun-2020	Not yet due	Revised
Proposed	Financing Agreement :Dam Operation and Maintenance Plan Description :The Recipient shall: a. prepare and provide to the Dam Safety Panel and the Association the Dam Operation and Maintenance Plan; b. finalize said Plan taking into account Panel recommendations no less than 6 months prior to filling the reservoir. Due Date: 12 month prior to the filling of the reservoir	NYD	
IDA-55430	Finance Agreement :Dam Impoundment and Resettlement of Displaced Persons Description :The Recipient shall ensure that the impoundment of the reservoir of the Dam under Part A of the Project shall commence only after the completion of the resettlement of 100% of the Displaced Persons identified in the RAP, in accordance with the provisions of the RAP, and in a manner satisfactory to the Association. Due Date :01-Dec-2020	Not yet due	Revised



Proposed	Finance Agreement :Dam Impoundment and Resettlement of Displaced Persons Description :The Recipient shall ensure that the impoundment of the reservoir of the Dam under Part A of the Project shall commence only after the completion of the resettlement of 100% of the Displaced Persons identified in the RAP, in accordance with the provisions of the RAP and in a manner satisfactory to the Associati	NYD	
IDA-55430	Finance Agreement :Project Steering Committee Description :The Recipient shall, no later than one month after the Effective Date, establish and thereafter maintain a Project Steering Committee with adequate resources and terms of reference satisfactory to the Association, for the purpose of (a) providing high level strategic guidance on Project planning and implementation; (b) facilitating overall coordination of the Project, including dealing with Execut Due Date :13-May-2015	Complied with	No Change
IDA-55430	Finance Agreement :Project Implementation Manual Description :The Recipient shall (a) by no later than March 31, 2015, update the PIM; and (b) thereafter implement the Project in accordance with the PIM; provided that in the event of any inconsistency between the provisions of the PIM and the Financing Agreement, the provisions of the Financing Agreement shall govern. Due Date :31-Mar-2015	Complied with	No Change
IDA-55430	FA: The Recipient shall ensure contract for civil works under Part A.1. of the Project include a detailed integrated construction and resettlement schedule such that civil works under Part A.1. only proceed after written confirmation from the RAP consultant and the Recipient,satisfactory to the Association, confirming that resettlement has been fully completed in area where works will take place.	Not yet due	New
IDA-55430	Finance Agreement. The Recipient shall ensure that adequate counterpart funding for the Project is made available, in a prompt and timely manner and, in this regard, the Recipient shall ensure that adequate	Not yet due	New



	provision for such costs is included in its budget on annual basis.		
IDA-55430	Finance Agreement. The Recipient shall, no later than June 30, 2021, establish, under terms of reference and in form and substance satisfactory to the Association, and thereafter, maintain a management entity to manage the Dam, which shall be responsible for the operation and maintenance of the Mwache dam facilities and provision of bulk water services.	Not yet due	New
IDA-55430	FA. Under Category 4, unless and until, prior to mobilization of contractor for Part A1 of Project, all resettlement measures for Priority Area 1 shall be fully implemented satisfactory to the Association including but not limited to all PAPs for Priority Area 1 shall be compensated at full replacement cost, resettled and provided with assistance in accordance with RAP, confirmed by RAP consultant	Not yet due	New
IDA-55430	FA. The Recipient shall establish and, thereafter, maintain, throughout Project implementation a panel of experts on environmental and social matters under terms of reference and with composition, qualifications and experience satisfactory to the Association, which shall be responsible for the independent review of environmental and social mgt. performance under the Project. Due Date :30-Jun-2019.	Not yet due	New
IDA-55430	Financing Agreement. The Recipient shall appoint, and thereafter maintain throughout Project implementation a RAP Management Team, within the PMU, under terms of reference and with composition, qualifications and experience satisfactory to the Association, which shall be responsible for the RAP implementation management, as further detailed in the PIM. Due Date :30-Jun-2019.	Not yet due	New
IDA-55430	Financing Agreement. The Recipient shall appoint, and thereafter, maintain throughout Project	Not yet due	New



	implementation a RAP implementation consultant, under terms of reference and with composition, qualifications and experience satisfactory to the Association, which shall be responsible for supporting the Recipient in implementing the RAP, as further detailed in the PIM. Due Date :30-Jun-2019.		
IDA-55430	FA. The Recipient shall, through the bulk water service provider enter into a Service Agreement with the Mombasa County water service provider, under terms and conditions satisfactory to the Association, which shall include, inter alia, the water volumes, pricing and services, in line with the PA signed between the MWE and County Gvt of Monbasa on December 2, 2015. Due Date :01-Nov-2021.	Not yet due	New
IDA-55430	Financing Agreement. The Recipient shall establish, under terms of reference and in form and substance satisfactory to the Association, and thereafter, maintain a Joint Authority or an alternative governance structure for operation of a bulk water system in the coastal region of Kenya. Due Date :31-Dec-2020.	Not yet due	New



Results framework

COUNTRY: Kenya

Coastal Region Water Security and Climate Resilience Project

Project Development Objectives(s)

The development objective of this project (KWSCR-2) is to sustainably increase bulk water supply to Mombasa County and Kwale County, and increase access to water and sanitation in Kwale County.

Project Development Objective Indicators by Objectives/ Outcomes

Indicator Name	DLI	Baseline	Intermediate Targets							End Target
			1	2	3	4	5	6	7	
to sustainably increase bulk water supply to Mombasa County and Kwale county, and increase access to										
Direct project beneficiaries (Number)	0.00	0.00	0.00	0.00	0.00	62,620.00	100,000.00	203,420.00	360,200.00	485,500.00
<i>Action: This indicator has been Revised</i>										
Female beneficiaries (Percentage)	0.00	0.00	0.00	0.00	0.00	48.00	48.00	48.00	48.00	48.00
<i>Action: This indicator has been Revised</i>										
Bulk water supply from Mwache Dam (Cubic meters/year)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.90	67,900,000.00
<i>Action: This indicator has been Revised</i>										
increase access to water in Kwale County (Action: This Objective has been Revised)										



Indicator Name	DLI	Baseline	Intermediate Targets							End Target	
			1	2	3	4	5	6	7		
People in project areas with access to Improved Water Sources under the project (Number)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,300.00	64,300.00	64,300.00
Action: This indicator has been Revised											
People provided with access to "improved sanitation facilities" under the proj. (CRI, Number)		0.00	0.00	0.00	19,000.00	47,500.00	76,000.00	114,000.00	152,000.00	190,000.00	190,000.00
Action: This indicator has been Marked for Deletion											
People provided with access to "improved sanitation facilities" - urban (Number)		0.00	0.00	0.00	2,200.00	5,500.00	8,800.00	13,200.00	17,600.00	22,000.00	22,000.00
Action: This indicator has been Marked for Deletion											
People provided with access to "improved sanitation facilities"- rural (Number)		0.00	0.00	0.00	16,800.00	42,000.00	67,200.00	100,800.00	134,400.00	168,000.00	168,000.00



Indicator Name	DLI	Baseline	Intermediate Targets							End Target
			1	2	3	4	5	6	7	
<i>Action: This indicator has been Marked for Deletion</i>										

Intermediate Results Indicators by Components

Indicator Name	DLI	Baseline	Intermediate Targets							End Target
			1	2	3	4	5	6	7	
C1- Mwache Dam and Related Infrastructure (Action: This Component has been Revised)										
Environmental and Social Management Plan Implemented (Yes/No)		No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<i>Action: This indicator has been Revised</i>										
Number of mandatory visits by Dam safety panel (Number)		0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
<i>Action: This indicator has been Revised</i>										
<i>Rationale: Visit per year</i>										
Target area where land and water management practices have been adopted as a		0.00	0.00	0.00	200.00	500.00	800.00	1,200.00	1,600.00	2,000.00



Indicator Name	DLI	Baseline	Intermediate Targets							End Target
			1	2	3	4	5	6	7	
result of the project (Hectare(Ha))										
<i>Action: This indicator has been Revised</i>										
Construction of Mwache Dam and associated works (Percentage)		0.00	0.00	0.00	0.00	0.00	15.00	40.00	75.00	100.00
<i>Action: This indicator has been Revised</i>										
Beneficiaries that feel that sub-project investments reflect their needs (Percentage)		0.00	0.00	0.00	50.00	50.00	80.00	80.00	90.00	90.00
<i>Action: This indicator has been Revised</i>										
Total beneficiaries from new/improved irrigation and drainage services (including dependents of key water users) (Number)		0.00	0.00	0.00	120.00	300.00	480.00	720.00	960.00	1,200.00
<i>Action: This indicator has been Marked for Deletion</i>										
C2- Kwale County Development Support										



Indicator Name	DLI	Baseline	Intermediate Targets							End Target
			1	2	3	4	5	6	7	
practices under the project (Number)										
Action: This indicator has been Marked for Deletion										
People trained to improve hygiene behavior/sanitation practices - female (Number)		0.00								110,400.00
Action: This indicator has been Marked for Deletion										
Crops demonstrated in the project (Number)		0.00	0.00	0.00	0.00	0.00	4.00	8.00	8.00	8.00
Action: This indicator has been Revised										
Number of people in urban areas provided with access to Improved Water Sources under the project (Number)		0.00	0.00	0.00	0.00	0.00	0.00	32,000.00	32,000.00	32,000.00
Action: This indicator has been Revised										
Number of people in rural areas provided with access to		0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,300.00	32,300.00



Indicator Name	DLI	Baseline	Intermediate Targets							End Target
			1	2	3	4	5	6	7	
Improved Water Sources under the project (Number)										
Action: This indicator has been Revised										
Number of Community Health Resource Persons trained under the project (Number)	0.00	0.00	0.00	0.00	0.00	100.00	200.00	300.00	400.00	500.00
Action: This indicator is New										
Number of Villages Certified by third party to be Open Defecation Free (ODF) (Number)	0.00	0.00	0.00	0.00	0.00	22.00	25.00	30.00	35.00	40.00
Action: This indicator is New										
Technologies demonstrated in the project (Number)	0.00	0.00	0.00	0.00	0.00	0.00	2.00	3.00	3.00	3.00
Action: This indicator is New										
Number of public schools provided with WASH facilities under the project (Number)	0.00	0.00	0.00	0.00	15.00	15.00	30.00	30.00	30.00	30.00
Action: This indicator is New										



Indicator Name	DLI	Baseline	Intermediate Targets							End Target
			1	2	3	4	5	6	7	
Number of people that directly benefitted from sustainable livelihood improvement investments (Number)		0.00	0.00	0.00	0.00	2,000.00	4,000.00	5,000.00	6,000.00	6,500.00
Action: This indicator is New										
Number of livelihood improvement micro-project proposals implemented by target community based organizations (Number)		0.00	0.00	0.00	0.00	60.00	100.00	140.00	200.00	250.00
Action: This indicator is New										
C3- Project Management										
Project M&E Established and Operational (Text)		NA	Established	Fully operational						
Action: This indicator has been Revised										
Technologies demonstrated in the project (Number)		0.00	0.00	0.00	2.00	2.00	2.00	3.00	3.00	3.00
Action: This indicator has been Marked for Deletion										



Annex 1. Revised Results Framework

Project Development Objective (PDO): To increase bulk water supply to Mombasa County and Kwale County and increase access to water in Kwale County.														
PDO Indicator Name	Core	Unit of Measure	Base line	Cumulative Target Values							End Target	Frequency	Data Source/ Methodology	Responsibility for Data Collection
				YR1 (2015/16)	YR2 (2016/17)	YR3 (2017/18)	YR4 (2018/19)	YR5 (2019/20)	YR6 (2020/21)	YR7 (2021/22)				
Direct project beneficiaries	<input checked="" type="checkbox"/>	Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 62,620	100,000	203,420	360,200	485,500	Semi-Annual	M&E system periodic progress reports	PMU
Female beneficiaries	<input checked="" type="checkbox"/>	Percentage Sub type Supplemental	0	Target: 0% Actual: 0	Target: 0% Actual: 0	Target: 0% Actual: 0	48%	48%	48%	48%	48%	Semi-Annual	M&E system periodic progress reports	PMU
Bulk water supply from Mwache Dam	<input type="checkbox"/>	MCM/yr	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	0	0	0	67.9	67.9	Semi-Annual	M&E system periodic progress reports	PMU
Number of people provided with access to Improved Water sources under the project	<input checked="" type="checkbox"/>	Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	0	0	32,300	64,300	64,300	Semi-Annual	M&E system periodic progress reports	PMU



Intermediate Results Indicators

Component 1: Mwache Dam and Related Infrastructure

Sub-Component 1.1: Civil Works and Electromechanical Equipment														
IRI Indicator Name	Core	Unit of measure	Base line	Cumulative Target Values								Frequency	Data Source/ Methodology	Responsibility for Data Collection
				YR1 (2015/16)	YR2 (2016/17)	YR3 (2017/18)	YR4 (2018/19)	YR5 (2019/20)	YR6 (2020/21)	YR7 (2021/22)	End Target			
Construction of Mwache Dam and associated works	<input type="checkbox"/>	Percentage	0%	Target: 0% Actual: 0%	Target: 0% Actual: 0%	Target: 0% Actual: 0%	0%	15%	40%	75%	100%	Semi-Annual	M&E system periodic progress reports	PMU
Beneficiaries that feel that sub-projects investments reflect their needs		Percentage	0.00	0.00	0.00	50.00	50.00	80.00	80.00	90.00	90.00		M&E system periodic progress reports	PMU
Number of mandatory visits by Dam Safety Panel	<input type="checkbox"/>	Visits per year	0	Target: 2 Actual: 0	Target: 2 Actual: 0	Target: 2 Actual: 1	2	2	2	2	2	Semi-Annual	Dam Safety Panel Reports	PMU
Sub-Component 1.2: Mwache Catchment Management														
Target area where land and water mgmt. practices have been adopted as a result of the project		Hectares (ha)	0	Target: 0 Actual: 0	Target: 0 Actual: 202	Target: 200 Actual: 461	500	800	1200	1600	2000	Semi-Annual	M&E system periodic progress reports	PMU
Sub-Component 1.3: Safeguards Implementation														



Environmental and Social management plan implemented		Yes/No	No	Yes	Semi-Annual	M&E system periodic progress reports	PMU (Tito/Irene) /CDA/Kwale							
--	--	--------	----	-----	-----	-----	-----	-----	-----	-----	-----	-------------	--------------------------------------	-----------------------------

Component 2: Kwale County Development Support
Sub-Component 2.1: Water Supply Investments

Indicator Name	Core	Unit of Measure	Base Line	Cumulative Target Values								Frequency	Data Source/ Methodology	Responsibility for Data Collection
				YR1 (2015/16)	YR2 (2016/17)	YR3 (2017/18)	YR4 (2018/19)	YR5 (2019/20)	YR6 (2020/21)	YR7 (2021/22)	End Target			
Number of people in rural areas provided with access to Improved Water sources under the project	<input checked="" type="checkbox"/>	Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	0	0	0	32,300	32,300	Semi-Annual	M&E system periodic progress reports	PMU
Number of people in urban areas provided with access to Improved Water sources under the project	<input checked="" type="checkbox"/>	Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	0	0	32,000	32,000	32,000	Semi-Annual	M&E system periodic progress reports	PMU
Sub-Component 2.2: Sanitation Investments														
Number of community health resource persons trained under the project		Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 100 Actual: 34	200	300	400	500	Semi-Annual	M&E system Periodic progress reports	PMU
Number of villages certified by third party to be ODF		Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 22 Actual: 22	25	30	35	40	Semi-Annual	M&E system Periodic progress reports	PMU



Number of public institutions (schools) provided with WASH facilities under the project		Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 15 Actual: 0	Target: 15 Actual: 15	30	30	30	30	Semi-Annual	M&E system periodic progress reports	PMU
Sub-Component 2.3: Sustainable Livelihoods Improvement														
Indicator Name	Core	Unit of Measure	Base Line	Cumulative Target Values								Frequency	Data Source/ Methodology	Responsibility for Data Collection
				YR1 (2015/16)	YR2 (2016/17)	YR3 (2017/18)	YR4 (2018/19)	YR5 (2019/20)	YR6 (2020/21)	YR7 (2021/22)	End Target			
Number of people that directly benefitted from livelihood improvement investments	<input checked="" type="checkbox"/>	Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 2000 Actual:	4000	5000	6000	6500	Semi-Annual	M&E system periodic progress reports	PMU/M&E FP Kwale
Number of livelihood improvement micro-project proposals implemented by target community-based organizations		Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 60 Actual: 62	100	140	200	250	Semi-Annual	M&E system	PMU
Sub-Component 2.4: Irrigation Demonstration Scheme														
Technologies demonstrated in the project	<input checked="" type="checkbox"/>	Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	2	3	3	3	Semi-Annual	M&E system periodic progress reports	PMU



The World Bank

Coastal Region Water Security and Climate Resilience Project (P145559)

Crops demonstrated in the project		Number	0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	Target: 0 Actual: 0	4	8	8	8	Semi-Annual	M&E system periodic progress reports	PMU
Component 3: Project Management														
Indicator Name	Core	Unit of Measure	Base Line	Cumulative Target Values								Frequency	Data Source/ Methodology	Responsibility for Data Collection
				YR1 (2015/16)	YR2 (2016/17)	YR3 (2017/18)	YR4 (2018/19)	YR5 (2019/20)	YR6 (2020/21)	YR7 (2021/22)	End Target			
Project M&E established and operational		Qualitative	NA	Target: Established	Target: Fully operational	Target: Fully operational	Fully operational Actual: No	Fully operational	Fully operational	Fully operational	Fully operational	Semi-Annual	M&E system periodic progress reports	PMU
Reports produced on time and with adequate quality, including annual, mid-term, final evaluation		Yes/No	NA	Target: Yes Actual: Yes, but with some delays	Target: Yes Actual: Yes, but with reduced delays	Target: Yes Actual: Yes, but there is still room for improvement	Yes	Yes	Yes	Yes	Yes	Semi-Annual	M&E system periodic progress reports	PMU