



# **TECHNICAL ANNEX : DRAFT IMPLEMENTATION LETTER (IL) ON IRRIGATION AND LAND RECLAMATION**

# MANDATE: STATE DEPARTMENT FOR IRRIGATION

According to Executive Order, The State Department for Irrigation is responsible for ;

1. National Irrigation Policy and Management;
2. Water Harvesting and Storage for Irrigation;
3. Management of Irrigation Schemes;
4. Water Storage and Flood Control Management;
5. Mapping, Designating and Developing areas ideal for Irrigation Schemes;
6. Irrigation infrastructure development. and
7. Land Reclamation.



**PROPOSED JOINT PRIORITY AREAS OF  
COLLABORATION WITH USAID  
IN THE IRRIGATION SECTOR**

# WATER FOR PRODUCTIVE USE

No	Joint Priorities	Planned Ministry Activities	Key Performance Indicators	Estimated Project cost (kshs, B - Billions, M - Millions)
1	<b>WATER FOR PRODUCTIVE USE</b>	Development of community based Smallholder irrigation schemes - <b>(222 projects country wide, increase area under irrigation by 171,536 acres)</b>	Acreage under irrigation	80.6B
		Development of large scale Irrigation schemes - <b>(22 projects country wide. To increase area under irrigation by 398,731 acres)</b>	Acreage under irrigation	83B
		Expansion of public irrigation schemes – <b>(9 projects country wide. To increase the area under irrigation by 12,500 acres)</b>	Additional Acreage under irrigation	1B
		Development of Micro irrigation for schools <b>(50 Schools Country Wide. To increase the area under irrigation by 254,000 acres)</b>	No. of schools served	500M

# WATER RESOURCE MANAGEMENT

No	Joint Priorities	Planned Ministry Activities	Key Performance Indicators	Estimated Project cost (kshs, B - Billions, M - Millions)
2	<b>WATER RESOURCE MANAGEMENT</b>	Ground water Resource Mapping for irrigation	No. of Counties assessed and mapped for groundwater	105M
		Ground water exploitation for irrigation – <b>(23 projects. To increase area under irrigation by 23,000 acres)</b>	No. of boreholes drilled and equipped	8B
		Capacity building for water resource mapping	No. of staff trained	35M
		Establishment and equipping of a water and land resources mapping unit	Functional mapping unit	120M
		Development of large and medium dams – <b>(13 projects country wide, to increase under irrigation by 408,400 acres)</b>	% completion, No and capacity (m <sup>3</sup> ) of dams completed	224B

# WATER RESOURCE MANAGEMENT

No	Joint Priorities	Planned Ministry Activities	Key Performance Indicators	Estimated Project cost (kshs, B - Billions, M - Millions)	
2	<b>WATER RESOURCE MANAGEMENT</b>	Development of Small dams and water pans – (881 projects country wide. <b>To increase area under irrigation by 114,956 acres)</b>	No and capacity of dams and water pans	105M	
		Rehabilitation of small dams and water pans – (3945 projects country wide. <b>To increase area under irrigation 114,956)</b>	No. of small dams and water pans rehabilitated	59B	
		<b>FLOOD CONTROL</b>			
		Mapping of flood prone areas	No. of Counties assessed and mapped	105M	
		<b>Flood control works</b> <ul style="list-style-type: none"> <li>• Construction of dykes,</li> <li>• River Training,</li> <li>• River Drenching</li> <li>• River Bank Stabilization</li> </ul>	Kms constructed Kms trained Kms drenched Kms stabilised	2.1B	

# WATER RESOURCE MANAGEMENT

No	Joint Priorities	Planned Ministry Activities	Key Performance Indicators	Estimated Project cost (kshs, B - Billions, M - Millions)
3	<b>ECOSYSTEM, RECLAMATION, RESTORATION AND REHABILITATION</b>	Land degradation assessment and mapping	No. of sub catchments assessed and mapped	50M
		<b>Land reclamation interventions</b> Construction of bunds  Tree planting  Tree nursery establishment  Surface/run-off water harvesting	Acreage reclaimed Kms constructed  No. trees planted  No.of seedlings produced  No. of structures developed	9B

# SCHEMES PRODUCTIVITY AND SUSTAINABILITY

No	Joint priority	Planned Ministry activity	Key performance indicator	Estimated Project cost (Kshs, M - Millions)
4	<b>IMPROVED PRODUCTIVITY AND SUSTAINABILITY OF SCHEMES</b>	Solarization of irrigation schemes (three large scale schemes solarized)	No. of schemes solarized	1.5B
		Performance appraisal of strategic irrigation schemes (thirty strategic schemes)	No. of performance appraisal mission reports in strategic schemes	20m
		Promote water saving irrigation methods / technologies	MCM of Water saved	50m



# IMPROVED GOVERNANCE

No	Joint Priorities	Planned Ministry Activities	Key Performance Indicators	Estimated Project cost (kshs, B - Billions, M - Millions)
5	<b>IMPROVED GOVERNANCE</b>	Establishment of research, innovation and training institution for irrigation and land reclamation and undertake irrigation research programmes	Irrigation research, innovation and training institute established and research results	356M
		Establishment and capacity building of County Irrigation Development Units (CIDUs)- 47 counties <ul style="list-style-type: none"> <li>• Formation of CIDUs</li> <li>• Capacity building of CIDUs</li> </ul>	Number of operational CIDUs	470M
		Formation and capacity building of Irrigation Water Users Association (IWUAs) <ul style="list-style-type: none"> <li>• Mobilization and formation of IWUA</li> <li>• Capacity building of IWUAs</li> <li>• Development of IWUA Training manuals – 7modules</li> </ul>	No. of operational IWUAs	200M

# IMPROVED GOVERNANCE

No	Joint Priorities	Planned Ministry Activities	Key Performance Indicators	Estimated Project cost (kshs, B - Billions, M - Millions)
5	<b>IMPROVED GOVERNANCE</b>	<b>Development of Irrigation master plan:</b>		
		<ul style="list-style-type: none"> <li>Review of the draft irrigation master plan</li> </ul>		15M
		<ul style="list-style-type: none"> <li>Baseline Survey on developed irrigation area</li> </ul>	Irrigation Masterplan	100M
		<ul style="list-style-type: none"> <li>Nationwide mapping to determine the irrigation potential</li> </ul>		200M
		<ul style="list-style-type: none"> <li>Preparation of Irrigation master plan</li> </ul>		100M
		Development of Irrigation and Drainage Management Information System (IDMIS)	IDMIS developed and operationalized	125M

# FINANCES LEVERAGING AND MOBILIZATION

No	Joint Priorities	Planned Ministry Activities	Key Performance Indicators	Estimated Project cost (kshs, B - Billions, M - Millions)
6	<b>FINANCES LEVERAGING AND MOBILIZATION</b>	<b>Farmer Led Irrigation development (FLID)</b>		
		<p>Transitioning small scale farmers from rainfed to irrigated farming (Farmer Led Irrigation Development - FLID) , targeting 1000 farmers per county, by:</p> <ul style="list-style-type: none"> <li>a) Training on irrigated production</li> <li>b) Linkage to financial and irrigation equipment providers</li> <li>c) Credit guarantee for irrigation equipment and production inputs</li> <li>d) Value Chain development</li> </ul>	No. of farmers transitioned to irrigated production	1.0.B
		Development of proposal for funding for irrigation development and land reclamation projects	<p>No. of project proposals</p> <p>No. and value of funded proposal</p>	15M

# PROGRAMME COORDINATION

No	Joint Priorities	Planned Ministry Activities	Key Performance Indicators	Estimated Project cost (kshs, B - Billions, M - Millions)
7	<b>PROGRAMME COORDINATION</b>	<b>Programme Coordination</b>		
		Establishment of Sector and intergovernmental coordination mechanism	Sector and intergovernmental coordination mechanism established and operational	50M
		Establishment of sector Monitoring, Evaluation and reporting mechanism	No. of Sector and Intergovernmental Coordination fora meetings	
			No. of inter-Ministerial Coordination and fora meetings	
			No. of joint monitoring Missions	



END

**THANK YOU FOR LISTENNING**