

No. CE-IN-1-WS-1	Karen Town Community Water Supply
------------------	-----------------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Karen town
Executing Agency	MOWD, Nairobi City Council (LA)
Beneficiaries	Residents, industrial, commercial and hotels along pipeline
Project Component	
Type of Project	Expansion and Construction
Demand	1,052 m ³ /d
Target Year	In year of 2005
Scale	Covered area: 0.35km ²
Structure	Transmission pipeline: 6.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	High population density area
Land Use	Commercial/Residential Areas, Infrastructure public service Is available.
Economy/Transport	Industry (Large scale factory)/Trade/Tourism/Agriculture, Roads/Railway/Airport
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	
Flora & Fauna	Bushland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Flisk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O																							
Operation of Construction Equipment																								
After Operation																								
Spatial Occupancy						O																		
Operation of Vehicles																								
Operation of Trains /Airplanes /Ships																								
Operation of Facilities												O												O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.
 A: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CE-IN-1-WS-2	South Limuru Community Water Supply
------------------	-------------------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	South Limuru
Executing Agency	NWCPC
Beneficiaries	Residents, industrial, commercial and hotels along pipeline
Project Component	
Type of Project	Construction
Demand	722 m ³ /d
Target Year	In year of 2005
Scale	Covered area: 0.60km ²
Structure	Transmission pipeline: 2.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	High population density area
Land Use	Commercial Residential Areas, Infrastructure public service is available.
Economy /Transport	Industry (Large scale factory)/Trade/Tourism/Agriculture, Roads/Railway/Airport
Natural Environment	
Topography Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	
Flora & Fauna	Bushland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																								
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor		
Before Operation																									
Reclamation and Spatial Occupancy	O																								
Operation of Construction Equipment																									
After Operation																									
Spatial Occupancy						O																			
Operation of Vehicles																									
Operation of Trains /Airplanes /Ships																									
Operation of Facilities												O													
Accumulation of People and Goods																								O	

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 A: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. WE-IN-3-WS-1	Mt. Elgon Community Water Supply
------------------	----------------------------------

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around Mt. Elgon
Executing Agency	MWPCPC
Beneficiaries	Residents, industrial, livestock and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	388 m ³ /d
Target Year	In year of 2000
Scale	Covered area: 0.09km ²
Structure	Transmission pipeline: 20.0 km
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Maize/Wheat Cropland, Dense Natural Forest
Economy /Transport	Agriculture/Tourism, Low density of roads/Railway
Natural Environment	
Topography/Geography	Semi-arid/ Arid, Low Foreland Plateau, Quaternary Volcanics
Coast and Marine Zone	
Flora & Fauna	Wooded grassland Bushed grassland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping																								
Environmental Items	Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
		Before Operation																						
	Reclamation and Spatial Occupancy	O																						
	Operation of Construction Equipment															Δ								
After Operation																								
	Spatial Occupancy					O										Δ								
	Operation of Vehicles																							
	Operation of Trains /Airplanes /Ships																							
	Operation of Facilities												O			Δ							O	
	Accumulation of People and Goods																							
<p>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																								

No. WE-IN-4-WS-1 Lake Baringo Community Water Supply

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around Lake Baringo
Executing Agency	NWCPC
Beneficiaries	Residents, industrial, livestock and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	900 m ³ /d
Target Year	In year of 2000
Scale	Covered area: 0.325km ²
Structure	Transmission pipeline: 3.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Maize/Wheat Cropland, Dense Natural Forest
Economy /Transport	Agriculture/Tourism, Low density of roads/Railway
Natural Environment	
Topography/Geography	Semi-arid/ Arid, Low Foreland Plateau, Quaternary Volcanics
Coast and Marine Zone	
Flora & Fauna	Wooded grassland/Bushed grassland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																						
Reclamation and Spatial Occupancy	O											O			O								
Operation of Construction Equipment															Δ								
After Operation																							
Spatial Occupancy						O							Δ		Δ								
Operation of Vehicles																							
Operation of Trains /Airplanes /Ships																							
Operation of Facilities												O	Δ		Δ							O	
Accumulation of People and Goods																							

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-1-WS-1	Shelly Community Water Supply
------------------	-------------------------------

Project Description	
----------------------------	--

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around Shelly
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	210 m ³ /d
Target Year	In year of 2010
Scale	Covered area: 0.2 km ²
Structure	Transmission pipeline: 5.0 km
Facilities	
Others	

Site Description	
-------------------------	--

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping	
----------------	--

Environmental Items \ Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
	Before Operation																							
Reclamation and Spatial Occupancy	O														O	O								
Operation of Construction Equipment																Δ								
After Operation																								
Spatial Occupancy						O									Δ	Δ								
Operation of Vehicles																								
Operation of Trains /Airplanes /Ships																								
Operation of Facilities												O		Δ	Δ								O	
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-1-WS-1	South Diani Community Water Supply
-------------------------	---

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around South Diani
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	1,691 m3/d
Target Year	In year of 2010
Scale	Covered area: 1.6km ²
Structure	Transmission pipeline: 9.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
Environmental Items																							
Activities which may cause impacts																							
Before Operation																							
Reclamation and Spatial Occupancy	O													O	O								
Operation of Construction Equipment															Δ								
After Operation																							
Spatial Occupancy						O								Δ	Δ								
Operation of Vehicles																							
Operation of Trains /Airplanes /Ships																							
Operation of Facilities											O			Δ	Δ							O	
Accumulation of People and Goods																							
<small>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures. Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions. No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</small>																							

No. CO-IN-2-WS-3	Gazi Community Water Supply
------------------	-----------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around Gazi
Executing Agency	NWPCG
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	184 m ³ /d
Target Year	In year of 2000
Scale	Covered area: 0.175km ²
Structure	Transmission pipeline: 13.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/ Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items Activities which may cause impacts	1. Resettlement 2. Economic Activity 3. Traffic and Public Facilities 4. Split of Communities 5. Cultural Property 6. Water Rights/Rights of Common 7. Public Health Condition 8. Waste 9. Hazards (Risk) 10. Topography and Geology 11. Soil Erosion 12. Groundwater 13. Hydrological Situation 14. Coastal Zone 15. Fauna and Flora 16. Meteorology 17. Landscape 18. Air Pollution 19. Water Pollution 20. Soil Contamination 21. Noise & Vibration 22. Land Subsidence 23. Offensive Odor																								
	Before Operation																								
Reclamation and Spatial Occupancy	O																								
Operation of Construction Equipment																									
After Operation																									
Spatial Occupancy						O																			
Operation of Vehicles																									
Operation of Trains /Airplanes /Ships																									
Operation of Facilities																									
Accumulation of People and Goods																									

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.
A: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-3-WS-1	Shimoni Community Water Supply
-------------------------	---------------------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around Shimoni
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	1,158 m ³ /d
Target Year	In year of 2005
Scale	Covered area: 0.425km ²
Structure	Transmission pipeline: 16.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	0													0	0									
Operation of Construction Equipment															Δ									
After Operation																								
Spatial Occupancy					0									Δ	Δ									
Operation of Vehicles																								
Operation of Trains /Airplanes /Ships																								
Operation of Facilities											0			Δ	Δ								0	
Accumulation of People and Goods																								

Note: 0: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-2-WS-1	Funzi Island Community Water Supply
------------------	-------------------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Funzi Island
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	409 m3/d
Target Year	In year of 2010
Scale	Covered area: 0.15km2
Structure	Transmission pipeline: 6.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																						
Reclamation and Spatial Occupancy	O														O	O							
Operation of Construction Equipment															Δ								
After Operation																							
Spatial Occupancy					O									Δ	Δ								
Operation of Vehicles																							
Operation of Trains /Airplanes /Ships																							
Operation of Facilities											O			Δ	Δ							O	
Accumulation of People and Goods																							

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project implementation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-2-WS-2 Funzi Bay Community Water Supply

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around Funzi Bay
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	273 m ³ /d
Target Year	In year of 2005
Scale	Covered area: 0.1 km ²
Structure	Transmission pipeline: 3.0 km
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O																							
Operation of Construction Equipment																								
After Operation																								
Spatial Occupancy						O																		
Operation of Vehicles																								
Operation of Trains /Airplanes /Ships																								
Operation of Facilities																								
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-7-WS-1 **Kilifi Enlargement Water Supply**

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Kilifi town
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Expansion
Demand	8,994 m ³ /d
Target Year	In year of 2010
Scale	Covered area:
Structure	Transmission pipeline: 10.0 km
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																																																																																																																																																																																																																																																								
Environmental Items	Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor																																																																																																																																																																																																																																
		<table border="1"> <tr> <td colspan="2">Before Operation</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Reclamation and Spatial Occupancy</td> <td></td><td>O</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>O</td><td>O</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Operation of Construction Equipment</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Δ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td colspan="2">After Operation</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Spatial Occupancy</td> <td></td><td></td><td></td><td></td><td></td><td></td><td>O</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Δ</td><td>Δ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Operation of Vehicles</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Operation of Trains /Airplanes /Ships</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Operation of Facilities</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>O</td><td></td><td>Δ</td><td>Δ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>O</td> </tr> <tr> <td>Accumulation of People and Goods</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																								Before Operation																									Reclamation and Spatial Occupancy		O														O	O								Operation of Construction Equipment																	Δ								After Operation																									Spatial Occupancy							O									Δ	Δ								Operation of Vehicles																									Operation of Trains /Airplanes /Ships																									Operation of Facilities													O		Δ	Δ								O	Accumulation of People and Goods																						
Before Operation																																																																																																																																																																																																																																																								
Reclamation and Spatial Occupancy		O														O	O																																																																																																																																																																																																																																							
Operation of Construction Equipment																	Δ																																																																																																																																																																																																																																							
After Operation																																																																																																																																																																																																																																																								
Spatial Occupancy							O									Δ	Δ																																																																																																																																																																																																																																							
Operation of Vehicles																																																																																																																																																																																																																																																								
Operation of Trains /Airplanes /Ships																																																																																																																																																																																																																																																								
Operation of Facilities													O		Δ	Δ								O																																																																																																																																																																																																																																
Accumulation of People and Goods																																																																																																																																																																																																																																																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-8-WS-1	Watamu Enlargement Water Supply
-------------------------	--

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Watamu town
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Expansion
Demand	1,390 m ³ /d
Target Year	In year of 2000
Scale	Covered area: 0.7 km ²
Structure	Transmission pipeline: 20.0 km
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, A little hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																								
Environmental Items	Activities which may cause impacts																							
		1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
Before Operation																								
Reclamation and Spatial Occupancy		O													O	O								
Operation of Construction Equipment															Δ									
After Operation																								
Spatial Occupancy						O									Δ	Δ								
Operation of Vehicles																								
Operation of Trains /Airplanes /Ships																								
Operation of Facilities											O			Δ	Δ								O	
Accumulation of People and Goods																								
<p>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																								

No. CO-IN-9-WS-1	North Mambrui Community Water Supply
-------------------------	---

Project Description	
----------------------------	--

Background	Lack of or Insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around North Mambrui
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	614 m3/d
Target Year	In year of 2005
Scale	Covered area: 0.25km ²
Structure	Transmission pipeline: 10.0 km
Facilities	
Others	

Site Description	
-------------------------	--

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping	
----------------	--

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O																							
Operation of Construction Equipment																								
After Operation																								
Spatial Occupancy					O																			
Operation of Vehicles																								
Operation of Trains /Airplanes /Ships																								
Operation of Facilities												O												O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They may cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 A: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-8-WS-2 North Watamu Community Water Supply

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Around North Watamu
Executing Agency	MWPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	2,000 m ³ /d
Target Year	In year of 2010
Scale	Covered area: 0.7km ²
Structure	Transmission pipeline: 10.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/ Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																						
Reclamation and Spatial Occupancy	0													0	0								
Operation of Construction Equipment															Δ								
After Operation																							
Spatial Occupancy						0									Δ	Δ							
Operation of Vehicles																							
Operation of Trains /Airplanes /Ships																							
Operation of Facilities											0			Δ	Δ							0	
Accumulation of People and Goods																							

Note: 0: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-10-WS-1	South Manda Community Water Supply
--------------------------	---

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	South Manda
Executing Agency	MWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	451 m3/d
Target Year	In year of 2005
Scale	Covered area: 0.15km ²
Structure	Transmission pipeline: 8.6 km
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																							
Environmental Items Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
Before Operation																							
Reclamation and Spatial Occupancy	O													O	O								
Operation of Construction Equipment															Δ								
After Operation																							
Spatial Occupancy					O									Δ	Δ								
Operation of Vehicles																							
Operation of Trains /Airplanes /Ships																							
Operation of Facilities											O		Δ	Δ								O	
Accumulation of People and Goods																							
<p>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																							

No. CO-IN-10-WS-2	East Manda Community Water Supply
--------------------------	--

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	East Manda
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	451 m3/d
Target Year	In year of 2010
Scale	Covered area: 0.15km2
Structure	Transmission pipeline: 7.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	0													0	0									
Operation of Construction Equipment															Δ									
After Operation																								
Spatial Occupancy					0									Δ	Δ									
Operation of Vehicles																								
Operation of Trains /Airplanes /Ships																								
Operation of Facilities											0			Δ	Δ								0	
Accumulation of People and Goods																								

Note: 0: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

**Project Description,
Site Description and Scoping
for
Initial Environmental Examination
on**

SEWERAGE PROJECT

No. CO-IN-11-WS-1	West Lamu Community Water Supply
-------------------	----------------------------------

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	West of Lamu Island
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	301 m ³ /d
Target Year	In year of 2000
Scale	Covered area: 0.1km ²
Structure	Transmission pipeline: 10.0 km
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/ Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																							
Environmental Items \ Activities which may cause impacts	Activities																						
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
Before Operation																							
Reclamation and Spatial Occupancy		O													O	O							
Operation of Construction Equipment																Δ							
After Operation																							
Spatial Occupancy						O									Δ	Δ							
Operation of Vehicles																							
Operation of Trains /Airplanes/Ships																							
Operation of Facilities												O		Δ	Δ								O
Accumulation of People and Goods																							
<small>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure. Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions. No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</small>																							

No. CO-IN-12-WS-1 Pate Community Water Supply

Project Description

Background	Lack of or insufficient public facilities
Objectives	Water supply to residents and hotels of development areas
Location	Pate
Executing Agency	NWCPC
Beneficiaries	Residents and commercial along pipeline
Project Component	
Type of Project	Construction
Demand	453 m3/d
Target Year	In year of 2010
Scale	Covered area: 0.15km2
Structure	Transmission pipeline: 13.0 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items Activities which may cause impacts																								
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O														O	O								
Operation of Construction Equipment																Δ								
After Operation																								
Spatial Occupancy						O									Δ	Δ								
Operation of Vehicles																								
Operation of Trains /Airplanes /Ships																								
Operation of Facilities											O			Δ	Δ								O	
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and the conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CE-IN-1-SG-1	Karen Town Community Sewerage
------------------	-------------------------------

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Karen town
Executing Agency	Nairobi City Council (LA)
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction
Demand	812 m ³ /d
Target Year	In year of 2005
Scale	
Structure	Pipeline: 1,749 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	High population density area
Land Use	Commercial/Residential Areas, Infrastructure public service is available.
Economy/Transport	Industry (Large scale factory)/Trade/Tourism/Agriculture, Roads/Railway/Airport
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	
Flora & Fauna	Bushland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping																							
Environmental Items	Activities which may cause impacts																						
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Flisk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
Before Operation																							
Reclamation and Spatial Occupancy	O							Δ							O		Δ		Δ				
Operation of Construction Equipment															Δ		Δ				Δ		
After Operation																							
Spatial Occupancy			Δ												Δ		Δ						
Operation of Vehicles			Δ												Δ		Δ				Δ		Δ
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ					Δ							Δ		O	O		O		O	O
Accumulation of People and Goods																							
Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures. Δ: The environmental items which may give a significant impact depending on the scale of project and the conditions. No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.																							

No. CE-IN-1-SG-2	South Limuru Community Sewerage
------------------	---------------------------------

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	South Limuru
Executing Agency	Nairobi City Council (LA)
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction
Demand	577 m ³ /d
Target Year	In year of 2005
Scale	
Structure	Pipeline: 3,000 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	High population density area
Land Use	Commercial/Residential Areas, Infrastructure public service is available.
Economy /Transport	Industry (Large scale factory)/Trade/Tourism/Agriculture, Roads/Railway/Airport
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	
Flora & Fauna	Bushland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping																								
Environmental Items	Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Flisk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																							
	Reclamation and Spatial Occupancy	O							Δ							O		Δ		Δ				
	Operation of Construction Equipment															Δ		Δ			Δ			
	After Operation																							
	Spatial Occupancy			Δ												Δ		Δ						
	Operation of Vehicles			Δ												Δ		Δ			Δ			Δ
	Operation of Trains /Airplanes /Ships																							
	Operation of Facilities			Δ					Δ							Δ			O	O		O		O
	Accumulation of People and Goods																							
<p>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																								

No. WE-IN-3-SG-1	Mt. Elgon Community Sewerage
------------------	------------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around Mt. Elgon
Executing Agency	MOLG
Beneficiaries	Residents, industrial, livestock and commercial
Project Component	
Type of Project	Construction
Demand	440 m ³ /d
Target Year	In year of 2000
Scale	
Structure	Pipeline: 500 m
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Maize/Wheat Cropland, Dense Natural Forest
Economy /Transport	Agriculture/Tourism, Low density of roads/Railway
Natural Environment	
Topography/Geography	Semi-arid/ Arid, Low Foreland Plateau, Quaternary Volcanics
Coast and Marine Zone	
Flora & Fauna	Wooded grassland Bushed grassland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O						Δ								O		Δ		Δ					
Operation of Construction Equipment															Δ		Δ				Δ			
After Operation																								
Spatial Occupancy			Δ												Δ		Δ							
Operation of Vehicles			Δ												Δ		Δ				Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ				Δ								Δ		O	O			Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. WE-IN-4-SG-1	Lake Baringo Community Sewerage
------------------	---------------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around Lake Baringo
Executing Agency	MOLG
Beneficiaries	Residents, industrial, livestock and commercial
Project Component	
Type of Project	Construction
Demand	781 m ³ /d
Target Year	In year of 2000
Scale	
Structure	Pipeline: 1,625 km
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Maize/Wheat Cropland, Dense Natural Forest
Economy /Transport	Agriculture/Tourism, Low density of roads/Railway
Natural Environment	
Topography/Geography	Semi-arid/ Arid, Low Foreland Plateau, Quaternary Volcanics
Coast and Marine Zone	
Flora & Fauna	Wooded grassland/Bushed grassland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	Activities																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ					O	O		Δ		Δ						
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy		Δ											Δ	Δ		Δ								
Operation of Vehicles		Δ												Δ				Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities		Δ						Δ				Δ	Δ					O	O		Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-1-SG-2	Shelly Community Sewerage
------------------	---------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around Shelly
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	160 m ³ /d
Target Year	In year of 2005
Scale	
Structure	Pipeline: 1,000 m
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																						
Reclamation and Spatial Occupancy	O							Δ						O	O		Δ		Δ				
Operation of Construction Equipment															Δ			Δ			Δ		
After Operation																							
Spatial Occupancy			Δ											Δ	Δ		Δ						
Operation of Vehicles			Δ												Δ			Δ			Δ		Δ
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ					Δ						Δ	Δ			O	O		Δ		O
Accumulation of People and Goods																							

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
Δ: The environmental items which may give a significant impact depending on the scale of project and the conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-1-SG-1 South Diani Community Sewerage

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around South Diani
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	1,345 m ³ /d
Target Year	In year of 2010
Scale	
Structure	Pipeline: 8,000 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																							
Environmental Items	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Flisk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Activities which may cause impacts																						
Before Operation																							
Reclamation and Spatial Occupancy	O							Δ						O	O		Δ		Δ				
Operation of Construction Equipment															Δ		Δ				Δ		
After Operation																							
Spatial Occupancy			Δ											Δ	Δ		Δ						
Operation of Vehicles			Δ												Δ		Δ				Δ		Δ
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ					Δ						Δ	Δ		O	O		Δ			O
Accumulation of People and Goods																							
<p>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																							

No. CO-IN-2-SG-1	Funzi Island Community Sewerage
-------------------------	--

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Funzi Island
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	327 m ³ /d
Target Year	In year of 2010
Scale	
Structure	Pipeline: 745 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																							
Environmental Items Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
Before Operation																							
Reclamation and Spatial Occupancy	O						Δ							O	O	Δ		Δ					
Operation of Construction Equipment															Δ		Δ			Δ			
After Operation																							
Spatial Occupancy			Δ											Δ	Δ	Δ							
Operation of Vehicles			Δ												Δ		Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ				Δ							Δ	Δ		O	O		Δ			O
Accumulation of People and Goods																							
<p>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																							

No. CO-IN-2-SG-2	Funzi Bay Community Sewerage
------------------	------------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around Funzi Bay
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	218 m ³ /d
Target Year	In year of 2005
Scale	
Structure	Pipeline: 500 m
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	Environmental Items																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ						O	O		Δ		Δ					
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy		Δ												Δ	Δ		Δ							
Operation of Vehicles		Δ													Δ			Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ					Δ						Δ	Δ			O	O		Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-3-SG-1	Shimoni Community Sewerage
-------------------------	-----------------------------------

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around Shimoni
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	927 m ³ /d
Target Year	In year of 2005
Scale	
Structure	Pipeline: 2,130 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items Activities which may cause impacts																								
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	0							Δ							0	0	Δ		Δ					
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy			Δ												Δ	Δ	Δ							
Operation of Vehicles			Δ												Δ			Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ					Δ						Δ	Δ			0	0		Δ			0
Accumulation of People and Goods																								

Note: 0: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-2-SG-3	Gazi Community Sewerage
------------------	-------------------------

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around Gazi
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	147 m ³ /d
Target Year	In year of 2000
Scale	
Structure	Pipeline: 875 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																								
Environmental Items																								
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Activities which may cause impacts																								
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ						O	O		Δ		Δ					
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy			Δ											Δ	Δ		Δ							
Operation of Vehicles			Δ												Δ			Δ			Δ		Δ	
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ					Δ						Δ	Δ			O	O		Δ		O	
Accumulation of People and Goods																								
<p>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																								

No. CO-IN-8-SG-1	Watamu Enlargement Sewerage
------------------	-----------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Watamu town
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Enlargement
Demand	1,110 m ³ /d
Target Year	In year of 2000
Scale	
Structure	Pipeline: 20,000 m
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, Some Hotels/Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ						O	O		Δ		Δ					
Operation of Construction Equipment															Δ			Δ				Δ		
After Operation																								
Spatial Occupancy			Δ											Δ	Δ		Δ							
Operation of Vehicles			Δ												Δ			Δ				Δ		Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ					Δ						Δ	Δ			O	O		Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-7-SG-1	Kilifi Enlargement Sewerage
------------------	-----------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Kilifi town
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Enlargement
Demand	7,200 m ³ /d
Target Year	in year of 2010
Scale	
Structure	Pipeline: 1,500 m
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts/Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts																								
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ						O	O		Δ		Δ					
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy		Δ												Δ	Δ		Δ							
Operation of Vehicles		Δ													Δ			Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities		Δ						Δ						Δ	Δ			O	O		Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-8-SG-2	North Watamu Community Sewerage
-------------------------	--

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around North Watamu
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	1,664 m ³ /d
Target Year	In year of 2010
Scale	
Structure	Pipeline: 3,500 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																							
Environmental Items Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
Before Operation																							
Reclamation and Spatial Occupancy	O						Δ							O	O	Δ		Δ					
Operation of Construction Equipment														Δ			Δ			Δ			
After Operation																							
Spatial Occupancy			Δ											Δ	Δ	Δ							
Operation of Vehicles			Δ												Δ		Δ				Δ		Δ
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ				Δ							Δ	Δ		O	O		Δ		O	
Accumulation of People and Goods																							
<small>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure. Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions. No mark: The environmental items which require no impact assessment and since the anticipated impacts are not significant in general.</small>																							

No. CO-IN-9-SG-1	North Mambrai Community Sewerage
-------------------------	---

Project Description

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Around North Mambrai
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	491m ³ /d
Target Year	In year of 2005
Scale	
Structure	Pipeline: 1,250 m
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	0						Δ							0	0		Δ		Δ					
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy			Δ											Δ	Δ		Δ							
Operation of Vehicles			Δ												Δ			Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ				Δ							Δ	Δ			0	0		Δ			0
Accumulation of People and Goods																								

Note: 0: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-10-SG-1	South Manda Community Sewerage
--------------------------	---------------------------------------

Project Description	
----------------------------	--

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	South Manda
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	361 m ³ /d
Target Year	In year of 2005
Scale	
Structure	Pipeline: 750 m
Facilities	
Others	

Site Description	
-------------------------	--

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping	
----------------	--

Environmental Items \ Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																						
Reclamation and Spatial Occupancy	0							Δ						0	0		Δ		Δ				
Operation of Construction Equipment															Δ			Δ			Δ		
After Operation																							
Spatial Occupancy			Δ												Δ	Δ		Δ					
Operation of Vehicles			Δ												Δ			Δ			Δ		Δ
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ					Δ						Δ	Δ			0	0		Δ		0
Accumulation of People and Goods																							

Note: 0: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.
Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-10-SG-2	East Manda Community Sewerage
-------------------	-------------------------------

Project Description

Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	East Manda
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	361 m ³ /d
Target Year	In year of 2005
Scale	
Structure	Pipeline: 750 m
Facilities	
Others	

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Fisk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ						O	O		Δ		Δ					
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy			Δ											Δ	Δ		Δ							
Operation of Vehicles			Δ												Δ			Δ				Δ		Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ					Δ						Δ	Δ			O	O		Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-12-SG-1	Pate Community Sewerage
-------------------	-------------------------

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	Pala
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	361 m ³ /d
Target Year	In year of 2010
Scale	
Structure	Pipeline: 750 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ							O	O	Δ		Δ					
Operation of Construction Equipment															Δ			Δ				Δ		
After Operation																								
Spatial Occupancy			Δ												Δ	Δ	Δ							
Operation of Vehicles			Δ												Δ			Δ				Δ		Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ					Δ						Δ	Δ			O	O		Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-11-SG-1 West Lamu Community Sewerage

Project Description	
Background	Lack of or insufficient public facilities
Objectives	Sewerage system to residents and hotels of development areas
Location	West of Lamu Island
Executing Agency	MOLG
Beneficiaries	Residents and commercial
Project Component	
Type of Project	Construction
Demand	241 m ³ /d
Target Year	In year of 2000
Scale	
Structure	Pipeline: 500 m
Facilities	
Others	

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/ Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ							O	O	Δ		Δ					
Operation of Construction Equipment																		Δ			Δ			
After Operation																								
Spatial Occupancy			Δ												Δ	Δ		Δ						
Operation of Vehicles			Δ													Δ		Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ					Δ						Δ	Δ			O	O		Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

**Project Description,
Site Description and Scoping
for
Initial Environmental Examination
on**

**SOLID WASTE DISPOSAL
PROJECT**

No. CE-IN-1-SD-1	South Limuru Community Solid Waste Disposal
------------------	---

Project Description

Background	Not enough of public facilities managed by local authority
Objectives	Insufficient public facilities managed by the local government
Location	South Limuru
Executing Agency	MOLG
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction and Improvement
Demand	2,026 ton/d
Target Year	In year of 2005
Scale	Required area: 0.22 ha, Collection area: 0.60 km ²
Structure	
Facilities	Sanitary landfill
Others	Collection system: Separation 2 times/week, Disposal method: Recycling/Sanitary landfill

Site Description

Social Environment	
Inhabitants	High population density area
Land Use	Commercial/Residential Areas, Infrastructure public service is available.
Economy /Transport	Industry (Large scale factory)/Trade/Tourism/Agriculture, Roads/Railway/Airport
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	
Flora & Fauna	Bushland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	Activities which may cause impacts																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ							O		Δ		Δ					
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy			Δ												Δ		Δ							
Operation of Vehicles			Δ												Δ			Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ				O	O				O			Δ			O	O	O	O			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. WE-IN-4-SD-1 Lake Baringo Community Solid Waste Disposal

Project Description	
Background	Not enough of public facilities managed by local authority
Objectives	Insufficient public facilities managed by the local government
Location	Around Lake Baringo
Executing Agency	MOLG
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction and Improvement
Demand	3 061 ton/d
Target Year	In year of 2010
Scale	Required area: 0.333 ha, Collection area: 0.325 km2
Structure	
Facilities	Sanitary landfill
Others	Collection system: Separation 2 times/week, Disposal method: Recycling/Sanitary landfill

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Maize/Wheat Cropland, Dense Natural Forest
Economy /Transport	Agriculture/Tourism, Low density of roads/Railway
Natural Environment	
Topography/Geography	Semi-arid/ Arid, Low Foreland Plateau, Quaternary Volcanics
Coast and Marine Zone	
Flora & Fauna	Wooded grassland/Bushed grassland, Primates/Small Mammals/Birds
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																						
Reclamation and Spatial Occupancy	O							Δ					O	O		Δ		Δ					
Operation of Construction Equipment														Δ			Δ				Δ		
After Operation																							
Spatial Occupancy			Δ										Δ		Δ		Δ						
Operation of Vehicles			Δ												Δ		Δ				Δ		Δ
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ					O	O			O	Δ		Δ			O	O	O	Δ		O
Accumulation of People and Goods																							

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-3-SD-1	Shimoni Community Solid Waste Disposal
------------------	--

Project Description

Background	Not enough of public facilities managed by local authority
Objectives	Insufficient public facilities managed by the local government
Location	Around Shimoni
Executing Agency	MOLG
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction and Improvement
Demand	3.591 ton/d
Target Year	In year of 2010
Scale	Required area: 0.39 ha, Collection area: 0.425 km ²
Structure	
Facilities	Sanitary landfill
Others	Collection system: Separation 2 times/week, Disposal method: Recycling/Sanitary landfill

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	Environmental Items																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O						Δ							O	O		Δ		Δ					
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy			Δ											Δ	Δ		Δ							
Operation of Vehicles			Δ												Δ			Δ			Δ			Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ				O	O				O		Δ	Δ			O	O	O	Δ			O
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-1-SD-1 South Diani Community Solid Waste Disposal

Project Description	
Background	Not enough of public facilities managed by local authority
Objectives	Insufficient public facilities managed by the local government
Location	Around South Diani
Executing Agency	MOLG
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction and Improvement
Demand	4 589 ton/d
Target Year	In year of 2010
Scale	Required area: 0.121 ha, Collection area: 1.6 km ²
Structure	
Facilities	Sanitary landfill
Others	Collection system: Separation 2 times/week, Disposal method: Recycling/Sanitary landfill

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture Fishery, Low density of roads/ Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																							
Environmental Items \ Activities which may cause impacts	Environmental Items																						
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Flights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
Before Operation																							
Reclamation and Spatial Occupancy								Δ															
Operation of Construction Equipment																							
After Operation																							
Spatial Occupancy			Δ																				
Operation of Vehicles			Δ																				
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ																				
Accumulation of People and Goods																							
<p>Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																							

No. CO-IN-8-SD-2	North Watamu Community Solid Waste Disposal
------------------	---

Project Description	
Background	Not enough of public facilities managed by local authority
Objectives	Insufficient public facilities managed by the local government
Location	Around North Watamu
Executing Agency	MOLG
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction and Improvement
Demand	6.49 ton/d
Target Year	In year of 2010
Scale	Required area: 0.706 ha, Collection area: 0.7 km ²
Structure	
Facilities	Sanitary landfill
Others	Collection system: Separation 2 times/week, Disposal method: Recycling Sanitary landfill

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy/Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	Environmental Items																							
	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Spill of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor	
Before Operation																								
Reclamation and Spatial Occupancy	O							Δ							O	O	Δ	Δ						
Operation of Construction Equipment															Δ			Δ			Δ			
After Operation																								
Spatial Occupancy			Δ												Δ	Δ	Δ							
Operation of Vehicles			Δ												Δ			Δ			Δ		Δ	Δ
Operation of Trains /Airplanes /Ships																								
Operation of Facilities			Δ					O	O			O		Δ	Δ			O	O	O	Δ		O	
Accumulation of People and Goods																								

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measure.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-9-SD-1	North Mambrai Community Solid Waste Disposal
------------------	--

Project Description

Background	Not enough of public facilities managed by local authority
Objectives	Insufficient public facilities managed by the local government
Location	Around North Mambrai
Executing Agency	MOLG
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction and Improvement
Demand	1,888 ton/d
Target Year	In year of 2005
Scale	Required area: 0.205 ha, Collection area: 0.25 km ²
Structure	
Facilities	Sanitary landfill
Others	Collection system: Separation 2 times/week, Disposal method: Recycling/Sanitary landfill

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																						
Reclamation and Spatial Occupancy	0							Δ						0	0		Δ		Δ				
Operation of Construction Equipment															Δ			Δ			Δ		
After Operation																							
Spatial Occupancy			Δ											Δ	Δ		Δ						
Operation of Vehicles			Δ												Δ			Δ			Δ		Δ
Operation of Trains /Airlanes /Ships																							
Operation of Facilities			Δ					0	0			0		Δ	Δ			0	0	0	Δ		0
Accumulation of People and Goods																							

Note: 0: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

No. CO-IN-8-SD-1	Walamu Enlargement Solid Waste Disposal
------------------	---

Project Description	
Background	Not enough of public facilities managed by local authority
Objectives	Insufficient public facilities managed by the local government
Location	Around Walamu town
Executing Agency	MOLG
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Enlargement and Improvement
Demand	4.6 ton/d
Target Year	In year of 2005
Scale	Required area: 0.205 ha, Collection area: km ²
Structure	
Facilities	Sanitary landfill
Others	Collection system: Separation 2 times/week, Disposal method: Recycling/Sanitary landfill

Site Description	
Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts Cashewnuts Cropland, A little hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping																								
Environmental Items	Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Rights of Common	7. Public Health Condition	8. Waste	9. Hazards (Flisk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation	Reclamation and Spatial Occupancy	0						Δ						0	0		Δ		Δ				
	Operation of Construction Equipment															Δ		Δ				Δ		
	After Operation	Spatial Occupancy			Δ										Δ	Δ		Δ						
	Operation of Vehicles			Δ												Δ		Δ				Δ		Δ
	Operation of Trains /Airplanes /Ships																							
	Operation of Facilities			Δ				0	0				0		Δ	Δ			0	0	0	Δ		0
	Accumulation of People and Goods																							
<p>Note: 0: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.</p> <p>Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.</p> <p>No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.</p>																								

No. CO-IN-12-SD-1 Pate Community Solid Waste Disposal

Project Description

Background	Not enough of public facilities managed by local authority
Objectives	Insufficient public facilities managed by the local government
Location	Around Pate
Executing Agency	MOLG
Beneficiaries	Residents, industrial, commercial and hotels
Project Component	
Type of Project	Construction and Improvement
Demand	1,409 ton/d
Target Year	In year of 2005
Scale	Required area: 0.153 ha, Collection area: 0.15 km ²
Structure	
Facilities	Sanitary landfill
Others	Collection system: Separation 2 times/week, Disposal method: Recycling Sanitary landfill

Site Description

Social Environment	
Inhabitants	Low population density area
Land Use	Coconuts/Cashewnuts Cropland, hotels/ Lodges
Economy /Transport	Tourism/Agriculture/Fishery, Low density of roads/Ports
Natural Environment	
Topography/Geography	Semi-humid, Sedimentary Plains, Quaternary Sediments
Coast and Marine Zone	Coral reefs/Mangroves
Flora & Fauna	Bushland, Primates/Small Mammals/Birds/Aquatics
Pollution	
Complaints	None
Measures taken	None

Scoping

Environmental Items \ Activities which may cause impacts	1. Resettlement	2. Economic Activity	3. Traffic and Public Facilities	4. Split of Communities	5. Cultural Property	6. Water Rights/Flights of Common	7. Public Health Condition	8. Waste	9. Hazards (Risk)	10. Topography and Geology	11. Soil Erosion	12. Groundwater	13. Hydrological Situation	14. Coastal Zone	15. Fauna and Flora	16. Meteorology	17. Landscape	18. Air Pollution	19. Water Pollution	20. Soil Contamination	21. Noise & Vibration	22. Land Subsidence	23. Offensive Odor
	Before Operation																						
Reclamation and Spatial Occupancy	O							Δ						O	O		Δ		Δ				
Operation of Construction Equipment															Δ			Δ			Δ		
After Operation																							
Spatial Occupancy			Δ											Δ	Δ		Δ						
Operation of Vehicles			Δ												Δ			Δ			Δ		Δ
Operation of Trains /Airplanes /Ships																							
Operation of Facilities			Δ				O	O			O			Δ	Δ			O	O	O	Δ		O
Accumulation of People and Goods																							

Note: O: The environmental items to which special attention has to be paid. They might cause serious impacts that may affect the project formulation depending on the magnitude of the impacts and the possibility of the measures.
 Δ: The environmental items which may give a significant impact depending on the scale of project and site conditions.
 No mark: The environmental items which require no impact assessment since the anticipated impacts are not significant in general.

JICA

