

SCOPE OF WORK
FOR
MIXING SAND/CEMENT FOR QUAY WALL TOE
PROTECTION AT MALDIVIAN SEAPLANE BASE

FACILITIES AND MAINTENANCE

1.0. BACKGROUND AND PURPOSE

1.1. Island Aviation Services Limited, Facilities and Maintenance department has requirement to mix sand and cement for quay wall toe protection at Maldivian Seaplane Base.

2.0. GENERAL REQUIREMENTS

- 2.1. IASL will provide required materials.
- 2.2. One concrete mixing machine will be provided.

3.0. SCOPE OF WORKS

3.1. Repair Works

- 3.1.1. Mixing Sand and Cement and Bag filling.
- 3.1.2. Mixing ratio 1:6
- 3.1.3. The work is scheduled to be carried out in a simultaneous process, where the third party carries out the for mixing, whilst the company will carry out placing the sand cement mix bag into the water.
- 3.1.4. Quantity of bags to be mixed: 237.

3.2. Additional Revetment

- 3.2.1. Mixing Sand Cement bag filling.
- 3.2.2. Mixing Ratio: 1:6
- 3.2.3. The work is scheduled to be carried out in a simultaneous process, where the third party carries out the for mixing, whilst the company will carry out placing the sand cement mix bag into the water.
- 3.2.4. Quantity: 1117

3.3. Work Schedule

- 3.3.1. Works marked in Red falls to Contractor.
- 3.3.2. Works marked in green falls to IAS.

#	Details	Status	Hours
1	Preparation		
	- EIA		
	- Removing Wooden Deck		
	- Removing Concrete beams		
	- Removing Roof along with Structure		
	- Consultant Approval		
	- BOQ confirmation		
	- Procurement Process		
	- Delivery of Materials		
	Work Schedule (Steps)		
2	Mixing Sand Cement and Bag filling		
3	Repair works for damaged quay wall		

	- <i>Placing new sand-cement bags to repair the damaged toe of the existing wall and other damaged areas.</i>		
4	Maxing Sand Cement and filling bags		
5	Retrofitting of damaged quay wall toe with additional sand-cement revetment		
	- <i>Placing new sand-cement bags as per the drawings.</i>		
6	Excavation backfilling and earthworks		
	- <i>Excavating 300mm below the tie beam of the existing terminal building to provide foundation protection with solid masonry block.</i>		
7	Piling works (for installation of 02 pipes)		
	- <i>Renting machineries</i>		
	- <i>Renting Vessels</i>		
8	Installation of additional platforms for passenger boarding (06 Nos)		
	- <i>Fabrication of platforms</i>		
	- <i>Installation of platforms</i>		
9	Installation of boarding gate walkways (04Nos)		
	- <i>Masonry works</i>		
	- <i>Concrete works</i>		
	- <i>Installation of walkways</i>		
	- <i>Fabrication and Installation of ramps</i>		
	- <i>Finishing Works</i>		
10	Roofing for boarding gate walkways		
	- <i>Metal works</i>		
	- <i>Masonry works</i>		
	- <i>Installation of roof</i>		
	- <i>Finishing Works</i>		
11	Disposal of construction waste		

Approved by:

