



Maldives Industrial Fisheries Company Limited

## **KANDU OIY GIRI HARBOUR DEVELOPMENT PROJECT**

### **SUMMARY OF BILLS OF QUANTITIES**

<b>BILL NO</b>	<b>DESCRIPTION</b>	<b>MATERIAL AMOUNT MVR</b>	<b>LABOUR AMOUNT MVR</b>	<b>TOTAL AMOUNT MVR</b>
1	PRELIMINARIES	0.00	0.00	0.00
2	SHEETPILE WORK	0.00	0.00	0.00
3	CONCRETE QUAY WALL	0.00	0.00	0.00
4	DREDGING & EXCAVATION	0.00	0.00	0.00
5	BREAK WATERS	0.00	0.00	0.00
6	SHORE PROTECTION REVETMENT	0.00	0.00	0.00
7	CONCRETE SLAB	0.00	0.00	0.00
8	HARBOUR LIGHTS	0.00	0.00	0.00
9	ENVIRONMENTAL CONTROL	0.00	0.00	0.00
10	OTHER WORKS	0.00	0.00	0.00
<b>PROJECT VALUE TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>GST 6%</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>GRAND TOTAL</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Prepared By, Contractor.....

Date/ Sign.....

Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
<b>BILL No: 01</b>						
<b><u>PRELIMINARIES</u></b>						
<b>1.1</b>	<b><u>GENERAL NOTES</u></b>					
<b>(1)</b>	<b><u>Abbreviations</u></b> m - metre Nos - numbers m <sup>3</sup> - cubic metre m <sup>2</sup> - square metre m - metre incl - including mm - millimetre					
<b>1.2</b>	Mobilization of contractor's dredging equipment and construction plant	1.00	Item			
<b>1.3</b>	Demobilization of contractor's dredging equipment and construction plant	1.00	Item			
<b>1.4</b>	Time related charges for contractors personal. (Including food, lodging etc.)	365.00	Days			
<b>1.5</b>	Establishment and removal of the contractor's facilities	1.00	Item			
<b>1.6</b>	Operation and maintenance of the Contractor's facilities	365.00	Days			
<b>1.7</b>	Provide as - Built drawings, Quality assurance documentation, Material Certificates, Technical	1.00	Item			
<b>1.8</b>	Provide detailed in-survey prior commencement of physical works	1.00	Item			
<b>1.9</b>	Provide detailed out-survey upon completion prior to hand over.					
<b>BILL No: 01 - PRELIMINARIES</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL OF BILL No: 01 - Carried over to summary</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
<b>BILL No: 02</b>						
<b>2.0</b>	<b><u>SHEETPILE WORK</u></b>					
<b>2.1</b>	Sheetpiling up to a depth of -4.0 MSL with type FSPIII profiles or equivalent	215.00	m			
<b>2.2</b>	Cast insitu concrete coping in quay wall to grades	215.00	m			
<b>2.3</b>	Demolition of existing sheetpile	95.00	m			
<b>2.4</b>	<b><u>PROTECTIVE COATING</u></b>					
<b>2.4.1</b>	Corrosion protection for all steel sheet piles. Blasted and applicating of 1 coat of primer and 2 coats of TCN 300 (Brown & Black)	1720.00	m			
<b>BILL No: 02 - SHEETPILE WORK</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
TOTAL OF BILL No: 02- Carried over to summary						

Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
<b>BILL No: 03</b>						
<b>3.0</b>	<b><u>CONCRETE QUAY WALL</u></b>					
<b>3.1</b>	Supply and install precast T-blocks	125.00	m			
<b>3.2</b>	Supply and install precast RC anchor blocks and fix anchor rods	125.00	m			
<b>3.3</b>	Cast in-situ concrete coping	125.00	m			
<b>3.4</b>	Supply and place geotextile at the joints of precast T-blocks	125.00	m			
<b>3.5</b>	Supply and install 10T mooring bollards @8m interval	27.00	Nos.			
<b>BILL No: 03 - CONCRETE QUAY WALL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
TOTAL OF BILL No: 03- Carried over to summary						

Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
<b>BILL No: 04</b>						
<b>4.0</b>	<b><u>DREDGING &amp; EXCAVATION</u></b>					
<b>4.1</b>	Dredging/Excavation of new channel basin to a specified depth of -4.0m MSL.	10,000.00	m3			
<b>4.2</b>	Maintenance Dredging/Excavation of any material for the existing harbour basin, Maximum specified depth -4.0m MSL.	10,000.00	m3			
<b>4.3</b>	Transfer excavation material to backfilling and reclamation areas.	20,000.00	m3			
<b>BILL No: 04 - DREDGING &amp; EXCAVATION</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
TOTAL OF BILL No: 04- Carried over to summary						

Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
BILL No: 05						
5.0	<b><u>BREAK WATERS</u></b>					
5.1	Amour rocks laid to the slopes. Rates shall include levelling and placing armor rocks	50.00	m			
<b>BILL No: 05 - BREAK WATERS</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
TOTAL OF BILL No: 05- Carried over to summary						

Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
<b>BILL No: 06</b>						
<b>6.0</b>	<b><u>SHORE PROTECTION REVETMENT</u></b>					
<b>6.1</b>	Amour rocks laid to the slopes. Rates shall include levelling and placing armor rocks	63.00	m			
<b>6.2</b>	Implement necessary mitigation measures as outlined in the technical specifications	1.00	item			
<b>BILL No: 06 - SHORE PROTECTION REVETMENT</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
TOTAL OF BILL No: 06- Carried over to summary						

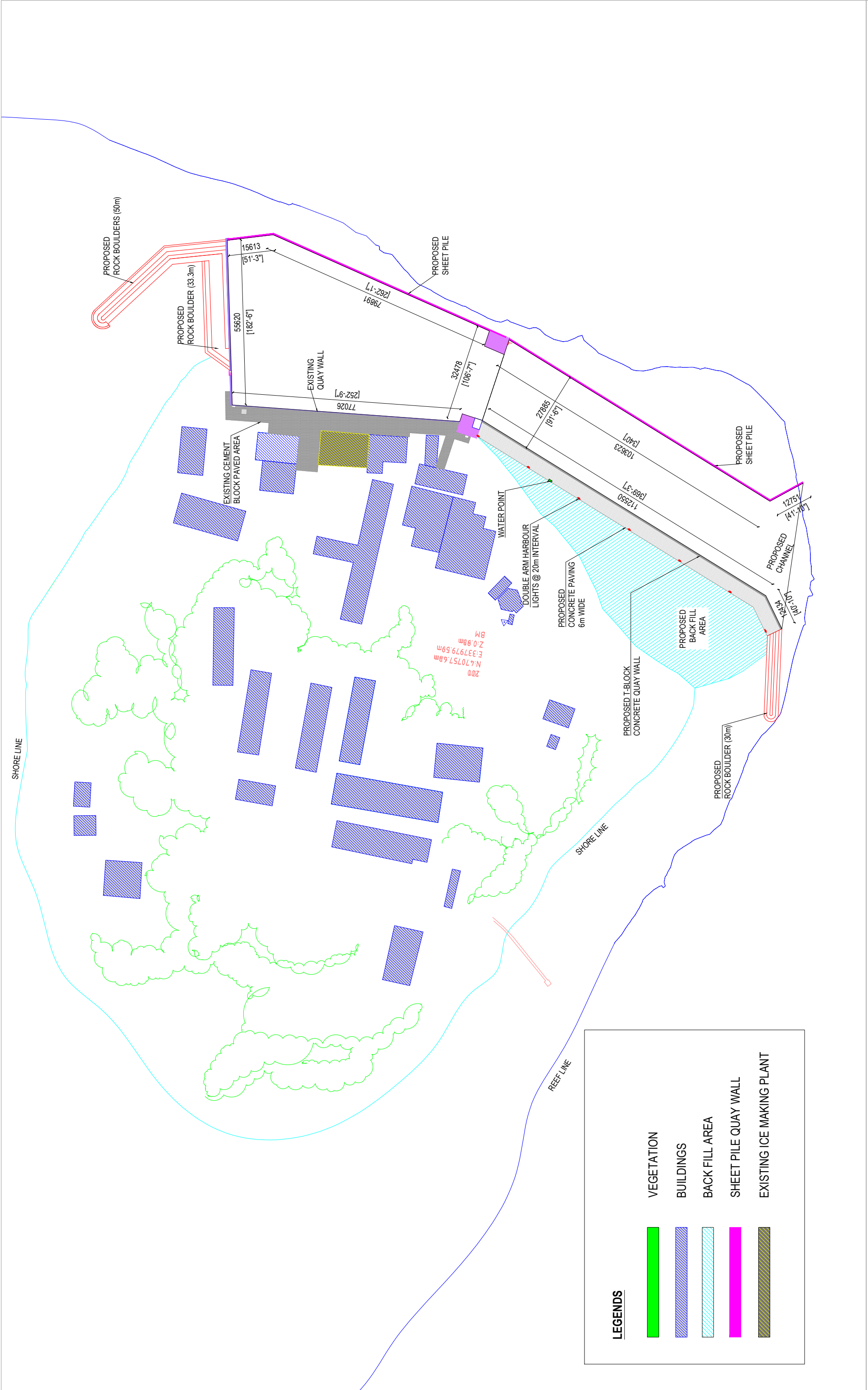
Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
BILL No: 07						
7.0	<b>CONCRETE SLAB</b>					
7.1	Concrete graded slab along the quay wall, after levelling and compaction of subgrade. 125 x 6m to a thickness of 0.15m	180.00	m3			
BILL No: 07 - CONCRETE SLAB TOTAL OF BILL No: 07- Carried over to summary				0.00	0.00	0.00



Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
BILL No: 08						
8.0	<b><u>HARBOUR LIGHTS</u></b>					
8.1	Supply and install double arm harbour lights @ 15m interval	7.00	Nos			
8.2	Supply and install navigation lights	2.00	Nos			
<b>BILL No: 08 - HARBOUR LIGHTS</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
TOTAL OF BILL No: 08- Carried over to summary						

Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
<b>BILL No: 09</b>						
<b>9.0</b>	<b><u>ENVIRONMENTAL CONTROL</u></b>					
	Rate shall include for all Environmental Management and Mitigation Measures					
<b>9.1</b>	Provide an EIA/technical specification.	1.00	Is			
<b>9.2</b>	Environmental Monitoring and Surveys	1.00	Is			
<b>9.3</b>	<b><u>DESIGN AND CONSULTANCY</u></b>					
<b>9.3.1</b>	Provide design and consultancy service for Quay wall and backfilling Shall include cost of EIA Approval	1.00	Is			
<b>BILL No: 09 -ENVIRONEMENTAL CONTROL</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
TOTAL OF BILL No: 09- Carried over to summary						

Item	Description	Qty	Unit	MATERIAL AMOUNT	LABOUR AMOUNT	TOTAL AMOUNT
<b>BILL No: 10</b>						
<b>10.0</b>	<b><u>OTHER WORKS</u></b>					
<b>10.0.1</b>	Laying of seawater and freshwater line along the quay wall as shown in the drawing	1.00	Unit			
<b>10.0.2</b>	Establish a Permanent Survey Mark according to the standards of Maldives Land and Survey Authority (MLSA).	1.00	Unit			
<b>10.0.3</b>	Building a drainage system along quay wall	1.00	Unit			
<b>10.0.4</b>	Allow for providing all necessary Insurances and bonds	1.00	Ls			
<b>BILL No: 10 -OTHER WORKS</b>				<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
TOTAL OF BILL No: 10- Carried over to summary						



LEGENDS

VEGETATION

BUILDINGS

BACK FILL AREA


SHEET PILE QUAY WALL

EXISTING ICE MAKING PLANT

PROJECT:	KOG HARBOUR PROJECT			LEGENDS:	<div><div>PROPOSED SHEET PILE</div><div>EXISTING BUILDINGS</div><div>EXISTING QUAY WALL</div><div>EXISTING PIPE LINE</div><div>EXISTING PAVED AREA</div></div> <div><div>PROPOSED PAVED AREA</div><div>PROPOSED NEW COLD STORAGE AREA</div><div>LAND FILL AREA</div></div>		
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SCALE:		NTS					
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PROJECT							





PROJECT:	KOG HARBOUR PROJECT		
LEGENDS:	<div>PROPOSED SHEET PILE</div> <div>EXISTING BUILDINGS</div> <div>EXISTING QUAY WALL</div> <div>EXISTING PIPE LINE</div> <div>EXISTING PAVED AREA</div> <div>PROPOSED PAVED AREA</div> <div>PROPOSED NEW COLD STORAGE AREA</div> <div>LAND FILL AREA</div>		
SCALE:	NTS		
DATE:	26/12/2020		
DRAWN BY:	MUSLIM		
<div></div>			