

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

**Bill 1 - Preliminaries and General Requirements**

ITEM	DESCRIPTION	QTY	UNIT	UNIT RATE	TOTAL
				USD	USD
1	<b>General</b>  The Contractor shall allow here for all costs for mobilization as a lumpsum amount, or in a breakup provided by the contractor, for all items in this contract which includes the requirements as set in contract documents and drawings including any regulatory requirements to complete the works				
1.1	Expenditure incurred for Mobilization of machinery and equipment	Item	LS		-
1.2	Expenditure incurred in complying with the clauses in section 01450 : Quality Control	Item	LS		-
1.3	Expenditure incurred in complying with the clauses in section 01500 : Construction Facilities & Temporary Controls	Item	LS		-
1.4	Expenditure incurred in complying with the clauses in section 01720 : Field Engineering	Item	LS		-
1.5	Provision and erection of notice boards 6 ft x 6 ft size including cost and conveyance of material, labour charges etc.	1	No		-
1.6	Allow sum for environmental monitoring during construction phase as required in the approved EIA	Item	LS		-
1.7	Expenditure incurred for Demobilisation of machinery and equipment	Item	LS		-
	<b>Total for Preliminaries &amp; General Requirements Carried to GENERAL SUMMARY</b>				-

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

**Bill 2- GN. FUVAHMULAH ISLAND**

ITEM REF.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
				USD	USD
<b>2.1</b>	<b>Site Clearance</b>				
2.1.1	Site clearance for the harbour works, protection of existing plants, services and utilities and making good the surfaces at the end of the work.	Item	LS		
2.1.2	Dismantling the timber fenders and depositing the debris to acceptable locations as directed by the Engineer.	Item	LS		
<b>2.2</b>	<b>Dredging harbour basin</b>				
	Inclusive of dredging the harbour area to a depth of MSL-3.40m and MSL-4.20 at inner and outer harbours respectively and to the required shape as specified and shown on drawings and depositing the dredged material for reuse for the contract scope and carting away the remaining materials to any acceptable locations as directed by the Engineer.	m3	1,657		
<b>2.3</b>	<b>SHEET PILES</b>				
2.3.1	Sandblasting of steel sheet piles conforming to Sa 2 to Sa 2.5 standard for the exposed areas from MSL-0.20 to crest level as specified and shown on drawings.	m <sup>2</sup>	1,855		
2.3.2	Sandblasting of steel sheet piles conforming to Sa 2 to Sa 2.5 standard for the underwater areas from MSL-0.20 to bottom of sheet piles as specified and shown on drawings.	m <sup>2</sup>	3,855		
2.3.3	Cast in Situ concrete in sheet piles from MSL-0.20 to MSL+1.80m, to grades, levels and areas as indicated in the drawing including RCC topping, reinforcements, welding the bars to sheet piles, reveals for anchor hooks and finishing the works to smooth finish as specified and shown on drawings	m	379		
2.3.4	Cast in Situ concrete in sheet piles from MSL-0.20 to MSL+1.50m, to grades, levels and areas as indicated in the drawing including RCC topping, reinforcements, welding the bars to sheet piles, reveals for anchor hooks and finishing the works to smooth finish as specified and shown on drawings	m	318		
2.3.5	Applying corrosion protection underwater painting to sandblasted sheet piles, from MSL-0.20 till bottom of sheet piles including the costs of primer coat, final coat and all materials, labour etc complete	m	697		
2.3.6	Supply & fix SS mooring hooks 25mm diameter for Quay Wall at 8m c/c as specified and shown on drawings.	No	86		
2.3.7	Supply & fix 50mm diameter bollards near Quay Wall at 10m c/c as specified and shown on drawings.	No	68		
	<b>PAGE TOTAL</b>				

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

**Bill 2- GN. FUVAHMULAH ISLAND**

ITEM REF.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
				USD	USD
	<p><u>Bill Collection</u></p> <p>Page 2</p>				
	<p><b>Total of GN. FUVAHMULAH ISLAND Works</b>  <b>Carried over to SUMMARY PAGE</b></p>				

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

<b>Bill 3 - Schedule of Daywork Rates</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT RATE</b>	<b>TOTAL</b>
				<b>USD</b>	<b>USD</b>
<b>3</b>	<b>DAY WORKS</b>				
<b>3.1</b>	<b>GENERAL PRINCIPLES</b>				
A	In accordance with General Conditions of Contract, certain works may be executed on day works In such a case the works must be ordered in writing by the Engineer and they will be administered strictly in accordance with the above clause.				
B	The signature of the Engineer on Day work Records will be for record purposes only and the Engineer reserves the right to measure and value any works for which day work records may have been kept.				
C	The Contractor will be paid for day works carried out during the course of the Contract while other operations are in progress by him. Profits & overheads will be stated as a percentage addition in the item provided for the same at the end of the Labor, Material, and Plant sections of the Day works Section.				
D	Time engaged in the actual works will be allowed. In the event of labor or plant having been brought to the site specially for the item of Day works then a reasonable allowance will be made for travelling time. This allowance for travelling time will be agreed before the day work item is executed.				
E	The percentage for profit and overheads will include for the use and waste of hand tools & of all non-mechanical plant, stagings, scaffolding, tarpaulins, use of electric light, power and water for the works, and all special inducements for working in Maldives. Unless specifically authorized in writing by the Engineer, non-productive overtime or special rates for overtime will not be admissible. The cost of all  supervisory staff, including engineer foreman, clerks, appliance are to be included in the percentage addition for profit and overheads.				
	<b>PAGE TOTAL</b>				-

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

<b>Bill 3 - Schedule of Daywork Rates</b>					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
				USD	USD
<b>3.2</b>	<b>LABOUR RATES</b>				
A	The day work rates agreed for labor shall be the net amount payable  Allow the Provisional Sum of USD 30,000.00 (United States Dollar Thirty Thousand only)  labor in Day work				<b>30,000.00</b>
B	Allowance to be added for overhead and profits.... %				
C	Tenderers are required to insert hereunder a list of operatives together with their net hourly rates to be used in calculating the cost of work executed on a day work basis :-  <u>Operative Rate per hour</u> Operator Driver Welder Mason Barbender Carpenter Skilled Worker Semi skilled Worker		<u>Hourly Rate</u>		
<b>3.3</b>	<b>MATERIAL RATES</b>				
	The day work rates agreed for labour shall be the net amount payable				
D	Materials used on day work will be as specified for the Works. The rates shall be the lowest current net manufacturers C.I.F. price, plus a reasonable allowance for customs, port handling charges, delivery to site and storing and protection  Allow the Provisional Sum of USD 30,000.00 (United States Dollar Thirty Thousand only) for materials in Day work				<b>30,000.00</b>
E	Allowance to be added for overhead and profits.....%				
	<b>PAGE TOTAL</b>				<b>60,000.00</b>

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

<b>Bill 3 - Schedule of Daywork Rates</b>					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
				USD	USD
3.4	<b>PLANT AND RATES</b>				
A	The definition of hire terms will be as follows:-  1) Hourly hire - Any hour of any period less than eight (8) hours.  2) Daily hire - An eight (8) hour day.  Should more than eight (8) hours be worked consecutively (excluding normal breaks, etc.) for excess hours will be paid for as a direct proportion of the daily hire rate.				
B	Plant hire rates are to include for drivers, attendants, operators, maintenance in proper working order at all times, attendance in starting up and shutting down, refueling and all fuel and power, oils, greases, and cleaning materials, replacement and/or sharpening of tools and all other ancillary items including consumable spares.  Note: Payment will not be made for mechanics on maintenance time.				
C	Allow the Provisional Sum of USD 40,000.00 (United States Dollar FourtyThousand only) for Plant in Day work				<b>40,000.00</b>
D	Allowance to be added for overhead and profits.... %				
E	Tenderers are required to insert hereunder a list of plant together with hourly and daily hire rates to be used in calculating the cost of work executed on a day work basis :-  Plant                      Hourly Rate    Daily Rate				
	<b>PAGE TOTAL</b>				<b>40,000.00</b>

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

<b>Bill 3 - Schedule of Daywork Rates</b>					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT RATE	TOTAL
				USD	USD
	<u>Bill Collection</u>				
	Page 4				-
	Page 5				60,000.00
	Page 6				40,000.00
	<b>Total of DAY WORKS</b> Carried over to SUMMARY PAGE				<b>100,000.00</b>

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

<b>Bill 4 - TENDERERS, ADJUSTMENT SCHEDULE</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT RATE</b>	<b>TOTAL</b>
				<b>USD</b>	<b>USD</b>
	<b>TENDERERS ADJUSTMENT</b>				
A	The accuracy of the quantities given in this Bills of Quantities is not guaranteed and the Contractor should satisfy himself as to their accuracy				
B	Any adjustments that he may consider necessary should be written below and on similar continuation sheets if required, and the net amount of the adjustments is to be carried to the Summary.				
	<b><u>ADDITIONS</u></b> -				
	1				
	2				
	3				
	4				
	5				
	6				
	<b><u>OMISSIONS</u></b> -				
	1				
	2				
	3				
	4				
	<b>PAGE TOTAL</b>				<b>NIL</b>

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

<b>Bill 4 - TENDERERS, ADJUSTMENT SCHEDULE</b>					
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>UNIT RATE</b>	<b>TOTAL</b>
				<b>USD</b>	<b>USD</b>
	<u>Bill Collection</u>  Page 9				NIL
	<b>Total of TENDERERS' ADJUSTMENT</b> <b>Carried over to SUMMARY PAGE</b>				<b>NIL</b>

**RECONSTRUCTION OF HARBORS PHASE 2- IN THE ISLAND OF GN. FUVAHMULAH, THE MALDIVES**

**GENERAL SUMMARY**

BIL LNO	CONTENTS	PAGE NO	BOQ CONTRACT TOTAL
			USD
1	PRELIMINARIES & GENERAL REQUIREMENTS	1	-
2	K. THULUSDHOO ISLAND WORKS	3	-
3	DAY WORKS	7	100,000.00
4	TENDERERS' ADJUSTMENT	9	NIL
<b>TOTAL</b>		<b>USD</b>	<b>100,000.00</b>
Tenderers Final Discount		USD	NIL
<b>GRAND TOTAL, CARRIED TO FORM OF TENDER</b>		<b>USD</b>	<b>100,000.00</b>

**Signature of the Tenderer :**

**Date :**