

Item	Description GENERAL AND PRELIMINARIES	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
1	Contractual Requirements					
A	Performance Security	sum				
B	Advance Payment Guarantee	sum				
C	Insurance for Works and Contractor's Equipment	sum				
D	Third Party Liability Insurance	sum				
E	Professional Indemnity Insurance	sum				
F	Protection and Indemnity Insurance	sum				
G	Construction all-risk Insurance	sum				
H	Other Insurances	sum				
I	Permits, Approvals and Licenses	sum				
2	Contractor's Facilities and Equipment					
A	Mobilisation of Contractor's Facilities	sum				
B	Demobilisation of Contractor's Facilities	sum				
C	Maintenance of Contractor's Facilities	sum				
D	Mobilisation of the Main Equipments	sum				
	<i>[break down of main equipment to be inserted by Tenderer, mobilisation costs shall be given per equipment item]</i>	sum				
E	Mobilisation of the other Equipments	sum				

F	Demobilisation of the Main Equipments					
	<i>[break down of main equipment to be inserted by Tenderer, demobilisation costs shall be given per equipment item]</i>	sum				
G	Temporary Works - Acces to Site and maintenance	sum				
H	Temporary Works - Marine Loading/Offloading facilities	sum				
I	Temporary Woks - Lay-down Area	sum				
3	Maintenance and Protection of Traffic and Navigation					
A	Maintenance and protection of traffic	sum				
B	Maintenance and protection of navigation	sum				
4	Mitigation Measures EIA	sum				
5	Contractor's Documentation					
A	General plans and documentation	sum				
B	Engineering and Design	sum				
C	Physical model testing	sum				
D	Method statements	sum				
E	Progress reports	sum				
F	As-built documentation and Operating and Maintenance manuals	sum				

G	Standards and Codes	sum				
H	Other documentation	sum				
6	Site attendance and management					
A	Project Management and Site Engineers	month				
B	Environmental management, monitoring and mitigation	month				
7	Facilities for the Engineer					
A	Provision and maintenance of Engineer's office and equipment including protective safety equipment for visitors	month				
B	Provision and maintenance of surveying instruments	month				
C	Provision and maintenance of laboratory and testing equipment	month				
D	Provide use of work boats, boatsmen, drivers etc. for inspection of the Works by the Engineer's staff	month				
E	Provide and maintain protective safety equipment for the Engineer's staff	month				
	ADDITIONAL ITEMS					
	<i>The Tenderer shall insert any additional specific item(s) and associated lump sum price(s) that he identifies is (are) necessary to compete the Works. The total design and quantity risks of this Design and Build lump sum contract shall be borne by the Contractor.</i>					

		TOTAL OF SCHEDULE 1				
		CARRIED TO GRAND SUMMARY				

Item	Description SURVEYS AND INVESTIGATIONS	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
1	Surveys and Investigations					
A	Topographic in and out surveys, progress surveys and out-	sum				
B	Bathymetric in and out surveys, progress surveys and out-	sum				
C	Geotechnical surveys and investigations (<i>if required</i>)	sum				
D	Surveys existing facilities and constructions	sum				
E	Turbidity/ TSS monitoring	sum				
F	Other coastal surveys (<i>to be specified by the Contractor</i>)	sum				
G	Environmental monitoring	sum				
	ADDITIONAL ITEMS					
	<i>The Tenderer shall insert any additional specific item(s) and associated lump sum price(s) that he identifies is (are) necessary to compete the Works. The total design and quantity risks of this Design and Build lump sum contract shall be borne by the Contractor.</i>	sum				
		TOTAL OF SCHEDULE 2				
		CARRIED TO GRAND SUMMARY				

Item	Description	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
	SITE CLEARANCE AND DEMOLITION					
1	Site Clearance					
A	Site clearance, removal and disposal of all material	sum				
2	Demolition of existing structures					
A	[to be detailed]	sum				
	ADDITIONAL ITEMS					
	<i>The Tenderer shall insert any additional specific item(s) and associated lump sum price(s) that he identifies is (are) necessary to compete the Works. The total design and quantity risks of this Design and Build lump sum contract shall be borne by the Contractor.</i>					
		TOTAL OF SCHEDULE 3				
		CARRIED TO GRAND SUMMARY				

Item	Description FORT BAY HARBOR UPGRADE	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
1	Container yard expansion					
A	Earthworks					
	Leveling of terrain	m ³				
	Excavations and transport of surplus materials off site	m ³				
	Compaction measures	m ²				
B	Pavement					
	Supply and place pavement	m ²				
	Supply and place pavement sub-base	m ²				
C	Retaining walls					
	Supply and install retaining walls	m ³				
D	Reefer plugs					
	Supply and installation of reefer plugs	pcs	4			
2	Revetment container yard expansion.					
A	Earthworks					
	Excavation, dredging, compaction measures, profiling slope and slope trimming	m ³				
	Transport of surplus materials to disposal area	m ³				
B	Revetment					
	Supply, transport and place rock toe armor 1-3 ton incl. slope trimming	m ³				
	Supply, transport and place rock 10-700kg for filter layer incl. slope trimming	m ³				
	Supply, transport and place rock 0.6-1.5 ton for filter layer incl. slope trimming	m ³				
	Supply, transport and place geotextile for filter layer	m ²				

	Supply, transport and place rock 1-10kg for installation of the geotextile	m ³				
	Manufacture and stockpile of 4.0m3 Accropodes	pcs				
	Retrieve from stockpile, transport and place Accropodes as armour layer	pcs				
	Supply and install L-walls	m ³				
3	Roll on-roll off ramp expansion.					
	Supply, transport and installation of retaining wall	m ³				
	Supply, transport and placement of backfill behind retaining wall	m ³				
	Supply, transport and installation of scour protection	m ³				
	Removal of bollard and fill of hole existing ramp	pcs	1			
	Supply, transport and install D-type fenders	m	5			
	Installation of new bollard	pcs	1			
	Replacement existing Tee bollard	pcs	1			
	Supply, transport and installation of kantenschutz	m	15			
	Supply, transport and installation of steel rail beams	m				
4	Dredging and seabed clearance					
	Removal of large boulders/blocks and transport to suitable area	m ³				
	Dredging of materials and disposal in disposal area	m ³				
5	Single point mooring point					
	Supply, transport and install single point mooring point	pcs	1			
	ADDITIONAL ITEMS					

	<i>The Tenderer shall insert any additional specific item(s) and associated lump sum price(s) that he identifies is (are) necessary to compete the Works. The total design and quantity risks of this Design and Build lump sum contract shall be borne by the Contractor.</i>					
		TOTAL OF SCHEDULE 4				
		CARRIED TO GRAND SUMMARY				

Item	Description BLACK ROCKS NEW BUILD	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
1	Main breakwater with associated quay wall					
A	Caisson construction					
	Caisson construction yard	pcs				
	Caisson transport from constructin yard to site	pcs				
	Supply and place reinforced concrete incl. all formwork, construction and movement joints and surface finishing etc.	m ³				
B	Site preparation					
	Soil improvement measures	m ³				
	Leveling and trimming seabed	m ²				
	Supply, transport and place granular foundation, incl trimming	m ³				
C	Caisson installation					
	Caisson immersion	pcs				
	Supply, transport and filling of fill for the caisson	m ³				
	Supply, transport and installation of all finishing for the caissons: superstructure, deck etc. incl all formwork.	m ³				
	Supply, transport and placement of backfill material	m ³				
	Supply, transport and installation of kantenschutz	m				
D	Construction of transition breakwater to shore					
	supply, transport and installation of filter rock	m ³				
	supply, transport and installation of amour rock/ armour units	m ³				
	Supply, transport and installation of retaining walls	ton				
	Supply, transport and placement of backfill	m ³				
E	Installation of scour protection					
	Supply, transport and placement of scour protection	m ³				

2	Dredging and seabed clearance of the harbor basin					
A	The inner harbor with a dredging depth of -2.75mSD (Area I)					
	Dredging	m ³				
	Transport and disposal of dredged materials in/to disposal area	m ³				
	Transport, process and stockpile for re-use of dredged materials	m ³				
B	The harbor basin and entrance channel with a dredging depth of -5.25mSD (Area II)					
	Dredging	m ³				
	Transport and disposal of dredged materials in/to disposal area	m ³				
	Transport, process and stockpile for re-use of dredged materials	m ³				
C	The trench for the placement of the main breakwater caissons					
	Dredging	m ³				
	Transport and disposal of dredged materials in/to disposal area	m ³				
	Transport, process and stockpile for re-use of dredged materials	m ³				
3	Paved connection road					
A	Earthworks					
	Leveling and trimming of terrain	m ²				
	Excavations, replenishments and transport of materials	m ³				
	Compaction measures	m ²				
	Transport of surplus materials for re-use within project	m ³				

	Transport and disposal of surplus materials to/in disposal area	m ³				
B	Pavement					
	Supply and placement of pavement	m ²				
	Supply and placement of pavement sub-base	m ²				
	Supply and placement concrete kerbs	m ²				
C	Retaining walls					
	Supply and installation of retaining walls	m ³				
4	Terrain levelling and pavement, including construction of terraces					
A	Earthworks					
	Leveling and trimming of terrain	m ²				
	Excavations, replenishments and transport of materials	m ³				
	Compaction measures	m ²				
	Transport of surplus materials for re-use within project	m ³				
	Transport and disposal of surplus materials to/in disposal area	m ³				
B	Pavement					
	Supply and placement of pavement	m ²				
	Supply and placement of pavement sub-base	m ²				
C	Retaining walls					
	Supply and installation of retaining walls	m ³				
5	Measures storm water drainage and run-off water measures hill side					
A	Flow diversion channel					
	Excavations, replenishments and transport of materials	m ³				
	Transport of surplus materials for re-use within project	m ³				

	Transport and disposal of surplus materials to/in disposal area	m ³				
	Supply and installation of concrete flow diversion channel	m ³				
	Supply and installation of culvert	m ³				
	Supply and installation of diffuser	m ³				
	Supply and installation of outlet structure	m ³				
B	Ditch around terraces					
	Construction of drainage ditch	m				
C	Flow retarding dams					
	Supply and installation of flow retarding dams	m ³				
6	Drainage harbor area					
	Supply and installation of underground drains	m				
	Supply and installation of outfall structures	pcs				
7	Harbor hardware					
	Supply, transport and install mooring bollards 20 ton	pcs	20			
	Supply, transport and install mooring bollards 50 ton	pcs	2			
	Supply, transport and install cleats 25 cm	pcs	47			
	Supply, transport and install cleats 38 cm	pcs	105			
	Supply, transport and install cleats 45 cm	pcs	26			
	Supply and install navigational buoy	pcs	1			
	Supply and install harbor entrance lights	pcs	2			
	Supply and install rescue ladders	pcs				
	supply and install pillars with safety buoys and fire extinguisher	pcs	4			
8	Utilities					
	Create utility ducts	m				
	Low energy lighting	pcs				
	Water tanks	pcs	2			
	Water tank distribution network	pcs	2			

9	Retaining Structures at the innerside of the harbor					
	Soil improvement measures	m ³				
	Leveling and trimming seabed	m ²				
	Supply and installation retaining structure	m ³				
10	Revetment and reclamation					
A	Earthworks					
	Excavation, dredging, placement, compaction measures, soil improvement, profiling slope and slope trimming	m ³				
	Transport of surplus materials for re-use within project	m ³				
	Transport and disposal of surplus materials to/in disposal area	m ³				
B	Revetment					
	Supply, transport and place rock toe armor incl. slope trimming	m ³				
	Supply, transport and place geotextile for filter layer	m ²				
	Supply, transport and place rock for filter layer incl. slope trimming	m ³				
	Supply, transport and place small rock for installation of the geotextile	m ³				
	Supply, transport and place armour layer	m ³				
	Supply and install L-walls	m ³				
11	Central pier					
	Supply and construction of central pier	m ³				
12	Finger piers					
	Supply, transport and place finger piers 10m	pcs	4			
	Supply, transport and place finger piers 12m	pcs	8			
	Supply, transport and place finger piers 14m	pcs	2			

	Supply, transport and place finger piers 16m	pcs	1			
13	Boat ramp					
	Supply and construction of boat ramp	m ³				
14	Boat lifts					
	supply, transport and installation of boat lifts 30k lbs	pcs	6			
	supply, transport and installation of boat lifts 40k lbs	pcs	5			
	supply, transport and installation of boat lifts 56k lbs	pcs	1			
15	Utilities					
	Supply and installation of electricity network	pcs	1			
	Supply and installation of distribution network water	pcs	1			
	Supply and installation of data cables network	pcs	1			
	Supply and installation of pedestals	pcs				
	Supply and installation of (street) lights	pcs				
	ADDITIONAL ITEMS					
	<i>The Tenderer shall insert any additional specific item(s) and associated lump sum price(s) that he identifies is (are) necessary to compete the Works. The total design and quantity risks of this Design and Build lump sum contract shall be borne by the Contractor.</i>					
		TOTAL OF SCHEDULE 5				
		CARRIED TO GRAND SUMMARY				

Item	Description BLACK ROCKS NEW BUILD OPTIONAL ITEMS	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
1	Column Jib Crane					
	Supply and installation of column jib crane	pcs	1			
	ADDITIONAL ITEMS					
	<i>The Tenderer shall insert any additional specific item(s) and associated lump sum price(s) that he identifies is (are) necessary to compete the Works. The total design and quantity risks of this Design and Build lump sum contract shall be borne by the Contractor.</i>					
		TOTAL OF SCHEDULE 6				
		CARRIED TO GRAND SUMMARY				

Item	Description	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
	MISCELLANEOUS					
	ADDITIONAL ITEMS					
	<i>associated lump sum price(s) that he identifies is (are) necessary to compete the Works. The total design and quantity risks of this Design and Build lump sum contract shall be borne by the Contractor.</i>					
		TOTAL OF SCHEDULE 7				
		CARRIED TO GRAND SUMMARY				

Item	Description PROVISIONAL SUMS	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
	NOT USED					
		TOTAL OF SCHEDULE 8				
		CARRIED TO GRAND SUMMARY				

Item	Description DAY WORKS - OPERATIONAL	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
1	Labour					
	The tenderer shall enter a schedule of rates for labour. A rate shall be entered for each item. If left blank the Engineer will enter a mandatory rate for tender evaluation purposes only. The total of these rates shall be carried forward to the Schedule summary page.					
A	Labour - unskilled	h				
B	Labour - semi skilled	h				
C	Labour - skilled	h				
D	Concreter/mason	h				
E	Carpenter	h				
F	Steel fixer	h				
G	Electrician	h				
H	Welder	h				
I	Fitter	h				
J	L.D. Driver	h				
K	H.D. Driver	h				
L	L.D. Operator	h				
M	H.D. Operator	h				
N	Crane Operator	h				
O	Floating Crane Operator	h				
P	Boat Master	h				
Q	Diver with diving apparatus	h				
R	Diver's helper	h				
S	Dredger Crew	h				
T	Ground Improvement Machine Operator	h				
	sub-total of labour					
	<i>The Contractor shall complete the dayworks section to include all personnel and plant working on this project.</i>					
2	Plant					
	The tenderer shall enter a schedule of rates for plant. A rate shall be entered for each item. If left blank the Engineer will enter a mandatory rate for tender evaluation purposes only. The total of these rates shall be carried forward to the Schedule summary page.					

A	Concrete mixer, 7/5	h				
B	Wheeled Loader (950 or equivalent)	h				
C	Wheeled Loader (966 or equivalent)	h				
D	Motor grader, minimum 125 HP	h				
E	Dump truck, up to 10 tonnes	h				
F	Dump truck, 10.1 to 20 tonnes	h				
G	Dump truck, 20.1 to 30 tonnes	h				
H	Water tanker, up to 10,000 litres	h				
I	Water tanker, 10,001 to 15,000 litres	h				
J	Compressor, one tool up to 3.0 m ³ /m	h				
K	Compressor, one tool up to 31 to 6.0 m ³ /m	h				
L	Excavator, up to 1.0 m ³ /m	h				
M	Excavator, 1.01 to 2.0 m ³ /m	h				
N	Lorry mounted crane, up to 10.00 tonnes	h				
O	Lorry mounted crane, 10.01 to 20.00 tonnes	h				
P	Lorry mounted crane, 20.01 to 30.00 tonnes	h				
Q	Floating crane, up to 10.00 tonnes	h				
R	Floating crane, 10.01 to 20.00 tonnes	h				
S	Pick-up, up to 3 tonnes	h				
T	Tug boat	h				
U	Barge, 1,500 tonnes	h				
V	Pile driving equipment (land)	h				
W	Pile driving equipment (floating)	h				
	percentage addition for profit and overheads on daywork plant (% on sub-total)					
	** percentage to be entered and extended by the Tenderer					
	<i>The Contractor shall complete the dayworks section to include all personnel and plant working on this project.</i>					
		TOTAL OF SCHEDULE 9				
		CARRIED TO GRAND SUMMARY				

Item	Description DAY WORKS - STANDBY	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
1	Labour					
	The tenderer shall enter a schedule of rates for labour. A rate shall be entered for each item. If left blank the Engineer will enter a mandatory rate for tender evaluation purposes only.					
A	Labour - unskilled	h	---			
B	Labour - semi skilled	h	---			
C	Labour - skilled	h	---			
D	Concreter/mason	h	---			
E	Carpenter	h	---			
F	Steel fixer	h	---			
G	Electrician	h	---			
H	Welder	h	---			
I	Fitter	h	---			
J	L.D. Driver	h	---			
K	H.D. Driver	h	---			
L	L.D. Operator	h	---			
M	H.D. Operator	h	---			
N	Crane Operator	h	---			
O	Floating Crane Operator	h	---			
P	Boat Master	h	---			
Q	Diver with diving apparatus	h	---			
R	Diver's helper	h	---			
S	Dredger Crew	h	---			
T	Ground Improvement Machine Operator	h	---			
	<i>The Contractor shall complete the dayworks section to include all personnel and plant working on this project.</i>					
2	Plant					
	The tenderer shall enter a schedule of rates for plant. A rate shall be entered for each item. If left blank the Engineer will enter a mandatory rate for tender evaluation purposes only.					

A	Concrete mixer, 7/5	h	---			
B	Wheeled Loader (950 or equivalent)	h	---			
C	Wheeled Loader (966 or equivalent)	h	---			
D	Motor grader, minimum 125 HP	h	---			
E	Dump truck, up to 10 tonnes	h	---			
F	Dump truck, 10.1 to 20 tonnes	h	---			
G	Dump truck, 20,1 to 30 tonnes	h	---			
H	Water tanker, up to 10,000 litres	h	---			
I	Water tanker, 10,001 to 15,000 litres	h	---			
J	Compressor, one tool up to 3.0 m ³ /m	h	---			
K	Compressor, one tool up to 31 to 6.0 m ³ /m	h	---			
L	Excavator, up to 1.0 m ³ /m	h	---			
M	Excavator, 1.01 to 2.0 m ³ /m	h	---			
N	Lorry mounted crane, up to 10.00 tonnes	h	---			
O	Lorry mounted crane, 10.01 to 20.00 tonnes	h	---			
P	Lorry mounted crane, 20.01 to 30.00 tonnes	h	---			
Q	Floating crane, up to 10.00 tonnes	h	---			
R	Floating crane, 10.01 to 20.00 tonnes	h	---			
S	Pick-up, up to 3 tonnes	h	---			
T	Tug boat	h	---			
U	Barge, 1,500 tonnes	h	---			
V	Pile driving equipment (land)	h	---			
W	Pile driving equipment (floating)	h	---			
	<i>The Contractor shall complete the dayworks section to include all personnel and plant working on this project.</i>					
		TOTAL OF SCHEDULE 9				
		CARRIED TO GRAND SUMMARY				

Item	Description GRAND SUMMARY	Unit	Quantity	Unit rate [USD]		Amount [USD]
				(in words)	(in figures)	
1	General and Preliminaries	sum				
2	Surveys and Investigations	sum				
3	Site Clearance and Demolition	sum				
4	Fort Bay Harbor Upgrade	sum				
5	Black Rocks new build	sum				
6	Black Rocks new build optional items	sum				
7	Miscellaneous	sum				
8	Provisional Sums	sum	<i>not used</i>			
			Sub total (1)			
9	Dayworks - operational					
10	Dayworks - standby					
			Sub total (2)			
		TENDER SUM PACKAGE B				