



SOLOMONPOWER

ENERGISING OUR NATION

P.O. BOX 6

HONIARA

SOLOMON ISLANDS

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BILL OF QUANTITIES

**Design, Supply, installation and
commissioning of the Optical
Fibre Ground Wire (OPGW)
Project**

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Mar-22

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**Design, Supply, installation and commissioning of the Optical Fibre Ground Wire (OPGW)
Project**

Bill of Quantities: Summery - OPGW PROJECT

Item	Description	Amount
1.0	Preliminary and General	0
2.0	Materials	0
3.0	Works	0
Total Cost for 1.0 Preliminary & General		\$0.00

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Design, Supply, installation and commissioning of the Optical Fibre Ground Wire (OPGW) Project

Bill of Quantities: Preliminary and General - OPGW PROJECT

Item	Description	Unit	Quantity	Rate	Amount
1.0	Preliminary and General				
1.1	Insurances				
1.1.1	Performance Security	LS	1		
1.1.2	Advance Payment Guarantee	LS	1		
1.1.3	Insurance Policies	LS	1		
1.2	Surveys				
1.2.1	Confirmatory survey	LS	1		
1.2.2	As-built survey (for as-built drawings)	LS	1		
1.3	Establishment				
1.3.1	Contractor's Establishment - Mobilisation				
a)	Installation and upkeep of site offices, first aid stations and crib rooms in location(s) determined by the Contractor to optimise the execution of the Works	LS	1		
b)	Contractors Laydown Area	LS	1		
c)	Plant, vehicles & equipment	LS	1		
d)	Materials	LS	1		
1.3.2	Contractor's Maintenance				
a)	Facilities and Contractor's Laydown Area.	Months	12		
b)	Plant, vehicles & equipment	Months	12		
c)	Disposal of Solid Waste	LS	1		
1.3.3	Contractor's Disestablishment - Demobilisation				
a)	Facilities and Contractors Laydown Area	LS	1		
b)	Plant, vehicles & equipment	LS	1		
1.4	Occupational Health & Safety (OHS)				
1.4.1	Prepare and submit and maintain OHS plan that is consistent with the General Conditions of Contract including all briefing to site personnel and non-escorted visitors. Implement, manage, revise plan for the duration of the Works.	LS	1		
1.4.2	Comply with the Solomon Power Contractors Site Safety Rules.	LS	1		
1.4.3	Prepare and submit and implement all aspects of the occupational health & safety plan in accordance with General Conditions of Contract for staff and personnel.	LS	1		
1.5	Construction Management (CM)				
1.5.1	CMP (General)				
a)	Contract Management Plan (CMP) - General	LS	1		
1.5.3	Quality				
a)	Quality Management Plan (QMP)	LS	12		
b)	Implement, review, update QMP	Months	12		
1.5.4	Programme				
a)	Programme for Works	LS	12		
b)	Implement, review, update Programme for works as required (min req. 1 month)	Months	12		
1.5.5	Records				
a)	Monthly Progress Reports	Months			
b)	As-built Dwgs	LS	1		
Total Cost for 1.0 Preliminary & General					\$0.00

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Bill of Quantities: Materials - OPGW PROJECT

Item	Material Description	Unit	Quantity	Rate	Import Taxes and Duties	Amount
2.0	New Materials					
2.1.1	OPGW, 24F, supply to Honiara depot	km	10.1			
2.1.2	OPGW Suspension Assembly	Assembly	19			
2.1.3	OPGW Strain Assembly	Assembly	60			
2.1.4	OPGW Insulated Strain Assembly	Assembly	5			
2.1.5	Triangular yoke plate, 70mm spacing, 70kN, 16mm	Each	3			
2.1.6	OPGW Joint box, coiling bracket & support cleats	Set	6			
2.1.7	Vibration Dampers	Each	264			
2.1.8	O&M spares - OPGW (3.5km) and fittings (10%)	Set	1			
2.1.9	OPGW Earth Peak - Suspension	Assembly	17			
Total Cost for 2.0 Materials						\$0.00

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Bill of Quantities: Materials - OPGW PROJECT

Item	Type of Works	Description	Unit	Quantity	Rate	Import Taxes and Duties	Amount
3.1 Access							
3.1.1	Tower Access Road	Tower sites access & clearing)	Each	45			
3.2 Decommissioning Works							
3.2.1	Decommissioning	Removal of existing OHEW including fittings	km	9.5			
3.3 Installation Works							
3.3.1	Stringing	Stringing of OPGW as per Stringing Schedule	Spans	26			
3.3.2	Installation	OPGW Suspension Assembly	Assembly	19			
3.3.3	Installation	OPGW Strain Assembly	Assembly	60			
3.3.4	Installation	OPGW Insulated Strain Assembly	Assembly	5			
3.3.5	Installation	Triangular yoke plate, 70mm spacing, 70kN, 16mm	Each	3			
3.3.6	Installation	OPGW Joint box, coiling bracket & support cleats	Set	6			
3.3.7	Installation	Vibration Dampers	Each	264			
3.3.8	Installation	O&M spares - OPGW (3.5km) and fittings (10%)	Set	1			
3.3.9	Installation	OPGW Earth Peak - Suspension + Design	Assembly	17			
3.3.10	Site Clearing	Temporary Road Access to each tower where necessary	Each	43			
3.4 commissioning Works							
3.4.1	commissioning	Testing and commissioning	Each	1			
Total Cost for Works							\$0.00