

**BILL OF QUANTITIES**  
**ROOF RENOVATION OF F. NILANDHOO ATOLL HOSPITAL.**

Item	Description	Unit	Quantity	Rate/ Unit		Total Unit Rate	Amount
				Material	Labour	Rates per Units	
<b><u>BILL No: 01</u></b> <b><u>ROOFIN RENOVATIONS</u></b>							
<b>1.1</b>	<b><u>General Notes</u></b>						
(1)	<b><u>Abbreviations</u></b> m - meter No - numbers m <sup>3</sup> - cubic meter m <sup>2</sup> - square meter Lm - Linear meter KG - Kilograms incl - including mm - millimeter dia - diameter SS - Stainless Steel GI - Galvanized Iron						
<b>1.1</b>	<b><u>General</u></b> (a) Rates shall include for: fair edges, dressing over angel fillets, turning into grooves, all other labors, circular edges, nails, screws and other fixings and laps. (b) Rates shall include to apply Wood preservative to all the surface of timbers (Roof structure). (b) Rates shall include to remove existing end cap, fascia board and necessary roofing sheets and necessary works to connect new roof to existing roof.						
<b>1.2</b>	<b><u>Roof Coverings</u></b>						
(1)	Replace and install new Roofing sheets on the lower roof of the Hospital Building: Blue scope steel international limited MSP, Total coated thickness minimum 0.47mm thick - Aquamarine or equivalent. Galvanizer screw to be used for roofing sheet fixing.	m <sup>2</sup>	335.00				
(2)	Replace and install new Roofing sheets on the upper roof of the Hospital Building: Blue scope steel international limited MSP, Total coated thickness minimum 0.47mm thick - Aquamarine or equivalent. Galvanizer screw to be used for roofing sheet fixing.	m <sup>2</sup>	112.00				
<b>1.3</b>	<b><u>Capping and Flashings</u></b>						
(1)	Ridge Capping: Blue scope steel international limited MSP, Total coated thickness minimum 0.47mm thick- Aqua marine or equivalent, Galvanizer screw to be used for ridge cap fixing.	m	23.00				
(2)	Hip Capping (Roof hips): Blue scope steel international limited MSP, Total , Galvanizer screw to be used for ridge cap fixingcoated thickness minimum 0.47mm thick- Aqua marine or equivalent	m	8.00				

(3)	Flashing: Blue scope steel international, Galvanizer screw to be used for ridge cap fixingal limited MSP, Total coated thickness minimum 0.47mm thick- Aqua marine or equivalent	m	80.00				
<b>1.4</b>	<b><u>Gutter</u></b> (a) MSP Color bond flat sheet gutter 200X200mm, Total coated thickness minimum 0.47mm thick, including framing, and supports, straps, brackets, clips, stop ends, overflow, downpipe outlets, mesh flashings and all fixings and fastenings.						
(1)	GUTTER: Blue scope steel international MSP- Aqua marine or equivalent	m	96.00				
<b>1.5</b>	<b><u>Down Pipes</u></b> (1) Connect existing down pile, 75 mm dia uPVC down pipes including bends, junctions, straps, brackets, clips, roof drain strainer and all fixings.	Item	1.00				
<b>1.6</b>	<b><u>Roof Structure</u></b> (a) Rates shall include for: all labor in framing, notching and fitting around projections, pipes, light fittings, hatches, grilles and similar and complete with cleats, packers, wedges and similar and all nails and screws. (b) Rates includes to applying solignum wood preservative oil to all the surface of roof structure. <b>(c) Rates include to fixing galvanized bolt, washers, nuts and 3mm thick MS gusset plates with bolts as show on the drawings.</b>						
(1)	Installing new Timber purling 50 X 50mm	m	780.00				
(2)	Replace and install new Facia board, 12mm thick SHERA board 12 X 250mm, The contractor must proceed with the work without damaging the eve ceiling. if damage occurs during work, the contractor must rectify all the damage areas.	m	104.00				
(3)	Applying Solignum wood preservative or equivalent for all roof structure	item	1.00				
<b>1.7</b>	<b><u>Roof Insulation</u></b> (1) 50mm thick Mineral wool installation with both side reflective foil on Fixed to underside of roofing with 12.5X12.5mm plastic mesh, Connections and edges of the foil to be sealed properly with aluminium tape approved from consultant.	m <sup>2</sup>	447.00				
<b>BILL No: 01 - ROOFING RENOVATIONS</b>							
<b>TOTAL OF BILL No: 01 - Carried over to summary</b>							
<b>BILL No:2</b> <b><u>TENDERER'S ADJUSTMENTS</u></b>							
<b>2.0</b>	Any adjustments that the contractor 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. (a) Provide detail description of work items under each bill and insert extra pages if required.						
<b>2.1</b>	<b><u>Additions</u></b> (1) ROOFING, Bill no. 01						

(2)	TENDERER'S ADJUSTMENTS, Bill no. 2					
	<b><u>ADDITIONS TOTAL</u></b>					
2.2	<b><u>Omissions</u></b>					
(1)	ROOFING, Bill no. 01					
(2)	TENDERER'S ADJUSTMENTS, Bill no. 2					
	<b><u>OMISSIONS TOTAL</u></b>					
	<b>BILL No: 2 - TENDERER'S ADJUSTMENTS</b>					
	<b>TOTAL OF BILL No: 2 - Carried over to summary</b>					