

**COST ESTIMATE :****Abstract of Cost (Page 1)**

Description		Unit	Quantity	Rate	Cost
<b>100 Materials &amp; Transportation</b>					
110	Wire Ropes <sup>1</sup>	Ø 13 mm	m		
		Ø 26 mm	m		
		Ø 32 mm	m		
<b>Total 110 Wire Ropes</b>					
<b>120 Steel Parts</b>					
121	Fabrication <sup>2</sup>	Steel Parts	kg		
		Reinforcement steel	kg		
122	Supply of Thimbles <sup>3</sup>	Ø 13 mm	pc		
		Ø 26 mm	pc		
		Ø 32 mm	pc		
123	Supply of Bulldog Grips <sup>3</sup>	Ø 13 mm	pc		
		Ø 26 mm	pc		
		Ø 32 mm	pc		
124	Miscellaneous Supply <sup>2</sup>	Bolts, Nuts and Washers	kg		
		Binding Wire	kg		
		PE Pipes, dia. 63mm	m		
125	Rust Prevention <sup>2</sup>	Hot Dip Galvanization	kg		
<b>Total 120 Steel Parts</b>					
Description		Unit	Quantity	Rate	Cost
<b>130 Steel Deck</b>					
131	Fabrication <sup>4</sup>	Steel Deck	kg		
132	Rust Prevention <sup>4</sup>	Hot Dip Galvanization	kg		
<b>Total 130 Steel Deck</b>					
Description		Unit	Quantity	Rate	Cost
140	G. I. Wire <sup>5</sup>	141 G. I. Wire	kg		
<b>Total 140 G. I. Wire</b>					
Description		Unit	Quantity	Rate	Cost
150	Cement <sup>5</sup>	151 Cement	bags		
<b>Total 150 Cement</b>					

**COST ESTIMATE :****Abstract of Cost (Page 2)**

Description		Unit	Quantity	Rate	Cost
<b>170</b>	<b>Tools</b>				
	171 Tools	set	1		
<b>Total 170 Tools</b>					
Description		Unit	Quantity	Rate	Cost
<b>180</b>	<b>Road Transportation<sup>6</sup></b>				
	181 Materials and Wire Ropes	kg			
<b>Total 180 Road Transportation</b>					
Description		Unit	Quantity	Rate	Cost
<b>200</b>	<b>Transportation from road head to site<sup>7</sup></b>				
210	Transportation from roadhead to site				
	211 Porter (unskilled labor)*	md			
	212 By Mule*	kg			
<b>Total 210 Transportation from road head to site</b>					
Description		Unit	Quantity	Rate	Cost
<b>220</b>	<b>Local Material Collection<sup>7</sup></b>				
	221 Skilled Labor*	md			
	222 Unskilled Labor*	md			
<b>Total 220 Local Material Collection</b>					
Description		Unit	Quantity	Rate	Cost
<b>230</b>	<b>Construction Works<sup>7</sup></b>				
	231 Skilled Labor*	md			
	232 Unskilled Labor*	md			
<b>Total 230 Construction Works</b>					

1 Refer to Sheet Quantity Calculation "110 Wire Rope" (Page 5)

2 Refer to Sheet Quantity Calculation "120 Steel Parts" (Page 5)

3 Refer to the respective "Steel Drawings"

4 Refer to Sheet Quantity Calculation "130 Steel Deck" (Page 5)

5 Refer to Sheet "List of Construction Materials" (Page 7)

6 Refer to Sheet "Transportation Weight" (Page 8)

7 Refer to Sheet "Quantity of Works and Labor" (Page 9)

\* Apply District rates.

**COST ESTIMATE:****Quantity Calculation (Page 1)****110 Wire Ropes (Cables)**

Type	Pieces	No.	Single Length (m)	Ø (mm)	Length per Type per Ø		
					Ø 13mm	Ø 26mm	Ø 32mm
Main Cable							
Spanning Cable		2					
Handrail Cable		2		13			
Fixation Cable		2		13			
Windguy Cable Upstream (optional)		1					
Windguy Cable Downstream (optional)		1					
Windties (optional)				13			
<b>Total length per Ø in meter</b>							
<b>Total length, m</b>							
<b>Weight of cable per m length</b>					0.67	2.57	3.9
<b>Total weight of cable per Ø in kg</b>							
<b>Total weight, kg</b>							

Note: Above Quantities are derived from Form No. 2: Cable Design Form

**120 Steel parts**

DRAWINGS		Unit	Structural Steel (kg)	Reinforcement Steel (kg)	Binding Wire (kg)	Nuts, Bolts & Washers (kg)	Steel to be galvanized (kg)	Transport Weight (kg)
No.	Name							
	Steel Cross Beams			-	-			
	Suspenders							
	Main Cable Anchor with Turnbuckle							
	Main Cable Anchor with Direct Cable Connection							
	Walkway/Tower Foundation, R/B							
	Walkway/Tower Foundation, L/B							
	Tower							
	Windguy Cable Clamps (optional)							
	Windguy Cable Anchorage (optional)							
	Windguy Cable Drum Anchor (optional)							
	Others							
<b>Total Steel Parts</b>								

**130 Steel Decks**

DRAWINGS		Units	Structural Steel (kg)	Steel to be galvanized (kg)	Transport Weight (kg)
No.	Name				
08A	Standard Panel				
10A	Special Panel				
<b>Total</b>					

Note: The above Units and Quantities are derived from the respective Steel Drawings.

**COST ESTIMATE:**

**Quantity Calculation (Page 2)**

**230 Construction**

Location	Soil m <sup>3</sup>	Soft Rock m <sup>3</sup>	Hard Rock m <sup>3</sup>	Back- filling m <sup>3</sup>
<b>Main Cable Anchors</b>				
Right Bank				
Left Bank				
<b>Walkway and Tower Foundations</b>				
Right Bank				
Left Bank				
<b>Windguy Cable Anchors (optional, only if applicable)</b>				
Right Bank, U/S				
Right Bank, D/S				
Left Bank, U/S				
Left Bank, D/S				
<b>Other Structures</b>				
Right Bank				
Left Bank				
Right Bank				
Left Bank				
<b>Total Right Bank</b>				
<b>Total Left Bank</b>				
<b>Grand Total</b>				

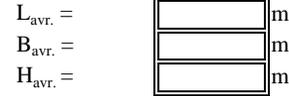
**Foundation Excavation:**

**Right Bank**



Volume,  $V = L_{avr.} \times B_{avr.} \times H_{avr.}$   
 $=$  **m<sup>3</sup>**

**Left Bank**



Volume,  $V = L_{avr.} \times B_{avr.} \times H_{avr.}$   
 $=$  **m<sup>3</sup>**

Note: The above Quantities are to be calculated from the General Arrangement Drawing.

Location	Concrete Works		Cement Stone Masonry		Dry Stone Masonry		Cement Plaster 1:4	Plumb Concrete 1:3:6 + 40% Broken stone
	1:3:6	1:2:4	Coursed Hammer Dressed 1:4	Coursed Hammer Dressed 1:6	Coursed Hammer Dressed dry	Broken Stone		
<b>Main Cable Anchors</b>								
Right Bank								
Left Bank								
<b>Walkway and Tower Foundations</b>								
Right Bank								
Left Bank								
<b>Windguy Cable Anchors (Optional, only if Applicable)</b>								
Right Bank, U/S								
Right Bank, D/S								
Left Bank, U/S								
Left Bank, D/S								
<b>Other Structures</b>								
Right Bank								
Left Bank								
Right Bank								
Left Bank								
<b>Total Right Bank</b>								
<b>Total Left Bank</b>								
<b>Grand Total</b>								

Note: Above Quantities are derived from respective Construction Drawings.