

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

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

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

Description		Unit	Quantity	Rate	Cost
170 Tools	171 Tools	set	1		
Total 170 Tools					
Description		Unit	Quantity	Rate	Cost
180 Road Transportation⁶	181 Materials and Wire Ropes	kg			
Total 180 Road Transportation					
Description		Unit	Quantity	Rate	Cost
200 Transportation from road head to site⁷					
210 Transportation from roadhead to site	211 Porter (unskilled labor)*	md			
	212 By Mule*	kg			
Total 210 Transportation from road head to site					
Description		Unit	Quantity	Rate	Cost
220 Local Material Collection ⁷	221 Skilled Labor*	md			
	222 Unskilled Labor*	md			
Total 220 Local Material Collection					
Description		Unit	Quantity	Rate	Cost
230 Construction Works ⁷	231 Skilled Labor*	md			
	232 Unskilled Labor*	md			
Total 230 Construction Works					

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			
Total length per Ø in meter							
Total length, m							
Weight of cable per m length					0.67	2.57	3.9
Total weight of cable per Ø in kg							
Total weight, kg							

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

120 Steel parts

DRAWINGS		Unit	Structural Steel (kg)	Reinforce-ment 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							
Total Steel Parts								

130 Steel Decks

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

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

COST ESTIMATE:**Quantity Calculation (Page 2)****230 Construction**

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

Foundation Excavation:**Right Bank**

$$L_{avr.} = \text{m}$$

$$B_{avr.} = \text{m}$$

$$H_{avr.} = \text{m}$$

$$\text{Volume, } V = L_{avr.} \times B_{avr.} \times H_{avr.}$$

$$= \text{m}^3$$

Left Bank

$$L_{avr.} = \text{m}$$

$$B_{avr.} = \text{m}$$

$$H_{avr.} = \text{m}$$

$$\text{Volume, } V = L_{avr.} \times B_{avr.} \times H_{avr.}$$

$$= \text{m}^3$$

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		
Main Cable Anchors								
Right Bank								
Left Bank								
Walkway and Tower Foundations								
Right Bank								
Left Bank								
Windguy Cable Anchors (Optional, only if Applicable)								
Right Bank, U/S								
Right Bank, D/S								
Left Bank, U/S								
Left Bank, D/S								
Other Structures								
Right Bank								
Left Bank								
Right Bank								
Left Bank								
Total Right Bank								
Total Left Bank								
Grand Total								

Note: Above Quantities are derived from respective Construction Drawings.