

COST ESTIMATE:**Quantity Calculation****140/1 Fence Knitting**

Item	Bridge Span (m) (m)	Requirement per meter span (kg) (kg)	Total Weight (kg)
12 SWG G. I. Wire		3.9	

140/2 Gabion Wires (For maintenance only, if required)

Box Size (m)	Volume (m ³)	Mesh Wire 10 SWG		Mesh Wire 7 SWG		Mesh Wire 12 SWG	
		Require- ment per m ³	Weight kg	Require- ment per m ³	Weight kg	Require- ment per m ³	Weight kg
2.0/1.0/1.0		12.08		1.58		0.48	
3.0/1.0/1.0		11.70		1.37		0.43	
2.0/1.0/0.3		22.33		3.75		1.08	
3.0/1.0/0.3		21.94		3.33		1.00	
Total							
Total weight of Gabion Wire, kg							

160 Paints (For maintenance only, if required)

Item	Painting (m ²)	Requirement (Ltr.)	Quantity (Ltr.)	Wt. per Ltr. (kg)	Weight (kg)
Red Oxide Zinc Chromate		0.25		1.8	
Polyurethane Enamel		0.25		1.8	

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Item	Unit	Total Quantity of Works		Requirement per	Cement		Sand		Gravel		Hammer Dressed Stone		Broken Stone	
		L/B	R/B		L/B	R/B	L/B	R/B	L/B	R/B	L/B	R/B		
		L/B	R/B	Unit	(m³)	(m³)	(m³)	(m³)	(m³)	(m³)				
Construction of Gabions	m³			1.10										
Concrete 1:3:6	m³			4.4										
				0.47										
				0.89										
Concrete 1:2:4	14			6.4										
				0.45										
				0.85										
Grouting of Holes	nos.			0.04										
				0.01										
Coursed Hammer Dressed Stone Masonry 1:4	m³			2.28										
				0.32										
				1.1										
Coursed Hammer Dressed Stone Masonry 1:6	m³			1.5										
				0.32										
				1.1										
Dry Coursed Hammer S/M	m³			1.1										
Plumb Concrete 1:3:6 + 40% Broken Stone	m³			2.64										
				0.28										
				0.54										
				0.50										
Dry Broken Stone Masonry	m³			1.1										
1.4 Cement Plaster 20 mm thick	m³			0.18										
				0.024										
Total Quantity of Construction Materials				L/B										
				R/B										
				Total										

COST ESTIMATE:	Transportation Weight
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180 Transportation

S. N.	Materials	Quantity kg	Remarks
1	Steel Parts		Refer to: Refer to Sheet Quantity Calculation "120 Steel Parts" (page 5)
2	Steel Deck		Refer to Sheet "130 Steel Deck" (page 5)
3	Cement		Refer to Sheet "List of Construction Materials" (page 7)
4	Fencing G. I. Wire		
5	Gabion Wires		
6	Tools	100.0	
Sub-Total Materials			
8	Wire Ropes (Cables)		Refer to Sheet Quantity Calculation "110 Wire Ropes" (page 5)
Total of Materials and Wire Ropes			