

**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 <sup>3</sup> )	Mesh Wire 10 SWG		Mesh Wire 7 SWG		Mesh Wire 12 SWG	
		Require- ment per m <sup>3</sup>	Weight kg	Require- ment per m <sup>3</sup>	Weight kg	Require- ment per m <sup>3</sup>	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	
<b>Total</b>							

Total weight of Gabion Wire, kg

**160 Paints (For maintenance only, if required)**

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

**230 Construction**

Item	Unit	Total Quantity of Works		Require- ment per Unit	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		
						(m <sup>3</sup> )	(m <sup>3</sup> )	(m <sup>3</sup> )						
Construction of Gabions	m <sup>3</sup>			1.10										
Concrete 1:3:6	m <sup>3</sup>			4.4										
				0.47										
Concrete 1:2:4	14			6.4										
				0.45										
Grouting of Holes	nos.			0.04										
				0.01										
Coursed Hammer Dressed Stone Masonry 1:4	m <sup>3</sup>			2.28										
				0.32										
Coursed Hammer Dressed Stone Masonry 1:6	m <sup>3</sup>			1.1										
				0.32										
Dry Coursed Hammer S/M	m <sup>3</sup>			1.5										
				0.32										
Plumb Concrete 1:3:6 + 40% Broken Stone	m <sup>3</sup>			1.1										
				0.50										
Dry Broken Stone Masonry	m <sup>3</sup>			2.64										
				0.28										
1.4 Cement Plaster 20 mm thick	m <sup>3</sup>			0.54										
				0.50										
<b>Total Quantity of Construction Materials</b>				L/B										
				R/B										
				<b>Total</b>										

<b>COST ESTIMATE:</b>	<b>Transportation Weight</b>
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**180 Transportation**

S. N.	Materials	Quantity kg	Remarks
1	Steel Parts		<b>Refer to:</b> 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	
<b>Sub-Total Materials</b>			
8	Wire Ropes (Cables)		Refer to Sheet Quantity Calculation "110 Wire Ropes" (page 5)
<b>Total of Materials and Wire Ropes</b>			