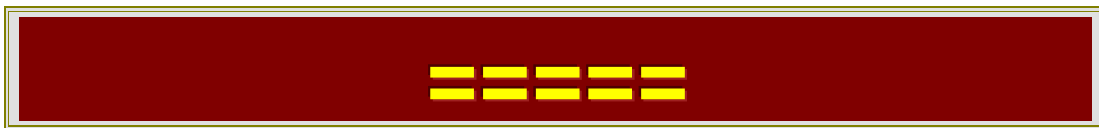


# HRODC Ltd.



## HRODC Ltd QUOTATION



With Kindest Regards,

A stylized, handwritten signature in gold ink, appearing to read "R. B. Crawford".

**Prof. Dr. R. B. Crawford**  
**Chief Executive**



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Human Resource and Organisational Development Consultancy (HRODC) Ltd. Registered in England No. 6088763.

**Registered Office:** 122A Bhylls Lane, Castlecroft, Wolverhampton, West Midlands WV3 8DZ, UK

Prof. Dr. R. B. Crawford

PhD (London), MEd.M. (Bath), Adv. Dip. Ed. (Bristol), PGCIS (TVU), ITC (UWI), MAAM, MAOM, LESAN, MISGS. Visiting Prof. P.U.P.  
Chief Executive & Chief Consultant – HRODC Ltd.



V.A.T. # 8958 765 38

<i>Wolverhampton (HQ)</i>	<b>HRODC Ltd.</b>	<i>London Office</i>
122A Bhylls Lane, Wolverhampton, WV3 8DZ, UK Telephone: +44 (0) 1902 763 607 Mobile: +44 (0) 7736 147507 Fax/Ph: +44 (0) 1902 569133 E-mail: consult@hrod-consultancy.com sales@hrod-consultancy.com Website http://www.hrod-consultancy.com		328 Linen Hall, 162-168 Regent Street, London. W1B 5TD, UK Telephone: +44 (0) 20 82657008 Fax/Phone: +44 (0) 20 84809628 Mobile: +44 (0) 7736 147507 E-mail: consult@hrod-consultancy.com sales@hrod-consultancy.com Website http://www.hrod-consultancy.com
<b>Human Resource and Organisational Development Consultancy (HRODC) Ltd.</b>		

# HRODC Ltd QUOTATION

<b>To:</b>	
<b>Quotation #</b>	
<b>Req. Ref.</b>	NA
<b>Date Issued:</b>	
<b>Validity Period:</b>	30 Days
<b>Prepared By:</b>	Prof. Dr. R. B. Crawford
<b>Number of Pages:</b>	

**HRODC Ltd – Legal Parameter**

Human Resource and Organisational Development Consultancy (HRODC) Ltd is Registered in England, with Registration Number 6088763. Its VAT Registration is: 8958 765 38. It is directly accountable to, and monitored by, several government agencies, including Companies House, an Executive Agency of the Department for Business, Enterprise and Regulatory Reform (BERR). All ‘Offices’ of HRODC Ltd, including National Representatives are subject to public scrutiny and transparency. Its Registered Office is 122A Bhylls Lane, Castlecroft, Wolverhampton, West Midlands WV3 8DZ, UK, with Office in London UK. It has National Representatives in Nigeria, Ghana, Cameroon, United Arab Emirates (UAE), Kingdom of Saudi Arabia, among others. Prof. Dr. R. B. Crawford, PhD (London), MEd.M. (Bath), Adv. Dip. Ed. (Bristol), PGCIS (TVU), ITC (UWI), MAAM, MAOM, LESAN, MISGS. Visiting Prof. P.U.P. is its Chief Executive.

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# Quotation

Column Number						
Row No.	1	2	3	4	5	6
	Product or Service	Product/ Service #	Short Description	Quantity	Unit Price	Total Cost in GB Pounds
1.	Gabion Basket	HRODC_GB1	Gabon Basket, with technical specification below. Free Delivery with orders of 10,000 and more	1	£14.00	£14.00
2.	Tie Wire	HRODC_TW1	Tie Wire for Gabion Basket	1 ton	£800.00 per Tonne (Metric Ton)	£800.00
<b>Subtotal</b>						
<b>Delivery</b>		<b>Free International Port to Port International Delivery with orders of 10,000 and more Baskets</b>				
<b>V.A.T. @17.5%</b>		Europeans Only				
<b>Grand Total</b>						
<b>Payment Terms</b>		<ol style="list-style-type: none"> <li>The prices, above, exclude delivery, installation and training. These costs will be advised at your request.</li> <li>At least 50% of the cost of each machine, in excess of £20,000.00 requires a deposit of 50% by Telegraphic Transfer (TT) or bank counter credit, at the time of order. The remaining 50%, by Irrevocable Letter of Credit (ILC), is required one week before shipment of the complete item.</li> <li>100% of the cost of items of up to £20,000.00 is required at the time of order.</li> <li>Bank details for payment are included below,.</li> </ol>				

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# Product Description

## Start of Gabion Basket Description

### *Gabion Basket – Description and Technical Specification*

Gabions are baskets made of double twisted steel woven wire mesh, with mechanical characteristics higher than the ones suggested from EN 10223-3. (Figs1.2) Gabions are filled with stones at the project site to form flexible, permeable, monolithic structures such as retaining walls, channel linings, and weirs for erosion control projects.

The steel wire used in the manufacture of the gabion is heavily zinc coated soft temper steel. The standard specifications of mesh wire are shown in Table 2.

The gabion is divided into cells by means of diaphragms positioned at approximately 1m centers (Fig.1) In order to reinforce the structure, all mesh panel edges are selvages with a wire having a greater diameter (Tables 3 .4 ).Dimensions and sizes of galvanized gabions are show in Table 1.

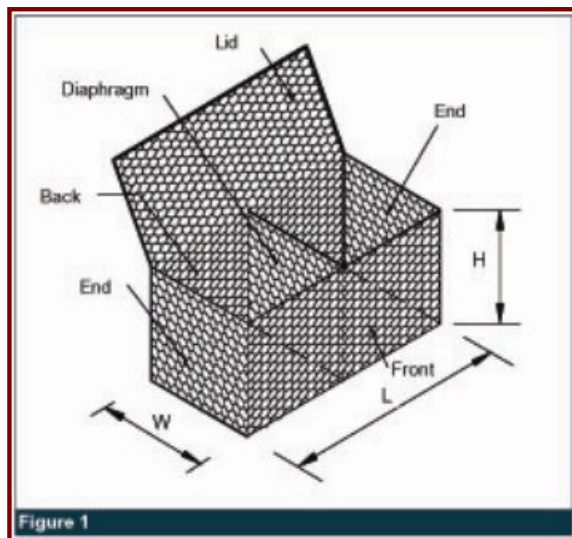


Figure 1

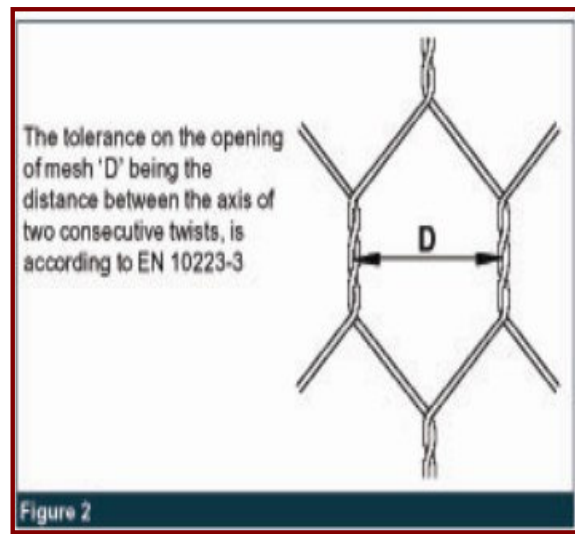


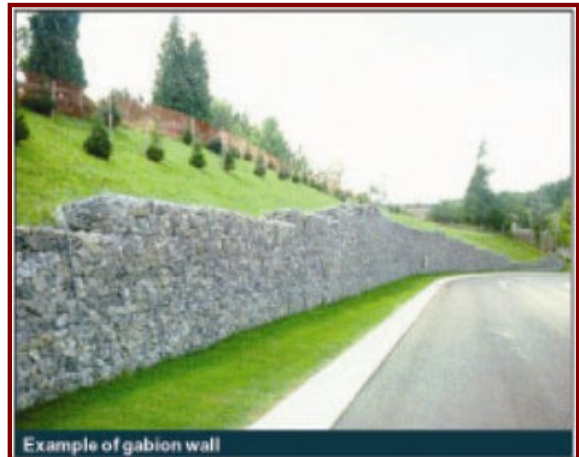
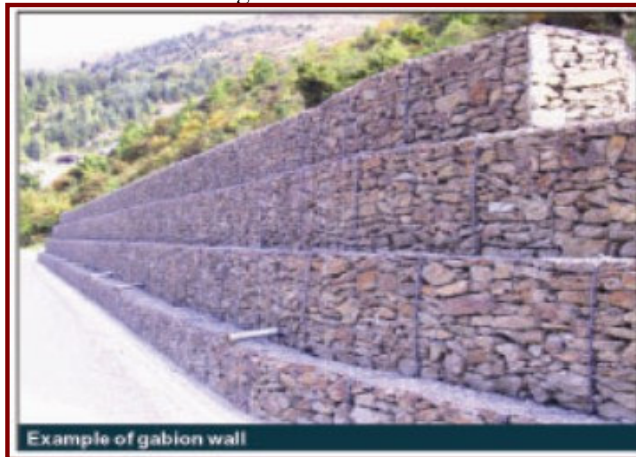
Figure 2

## Wire

- **Tensile strength:** the wire used for the manufacture of Gabions shall have a tensile strength between 350-550 N/mm<sup>2</sup> exceeding. In order to increase the tensile resistance of the finished products, what is suggested from EN 10223-3. Wire tolerances (Table 4) are in accordance with EN 10218 (Class T1).
- **Elongation:** Elongation shall not be less than 9%, exceeding. In order to increase the tensile resistance of the finished products, what is suggested from EN 10223-3. Test must be carried out on a sample at least 25cm long.
- **Zinc coating:** minimum quantities of zinc shown at Table 4 meet the requirements of EN 10244-2 (table 1, class A).



- ❖ **Adhesion of zinc:** the adhesion of the coating to the wire shall be such that, when the wire is wrapped six turns around a mandrel having four times the diameter of wire, it does not flake or crack when rubbing it with the bare fingers.



**All sizes and dimensions are nominal.**

Tolerances of  $\pm 5\%$  of the width, height, and length of the gabions shall be permitted.

**Quantity Request**

When requesting a quote, please specify:

- ❖ Size of units(length x width x height, see Flg.1)
- ❖ Type of mesh,
- ❖ Type of coating and diaphragms

EXAMPLE: No,100 gabions 2x1x1m -Mesh type 8x10-Wirdiam,2.70mm - galvanized-with diaphragms.

**Lacing Operations**

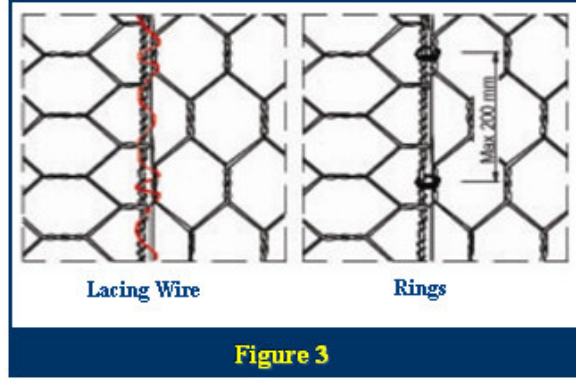
Lacing operations can be made by using the tools shown in the Fig.5. Galfan coated steel rings having the following specification can be used instead of lacing wire (Figs.3,4):

- \* **Diameter:** 3.00mm,
- \* **Tensile strength:** 170 kg/mm<sup>2</sup>.



Spacing of the rings must not exceed 200mm (Fig.3)





**1.table of size for gabions**

L=Length(m)	W=Width(m)	H=Height(m)	# of cells
2	1	0.5	2
3	1	0.5	3
4	1	0.5	4
1.5	1	1	1
2	1	1	2
3	1	1	3
1	1	1	4

**2.Standard Mesh-Wire**

Type	D(mm)	Tolerance	Wire Dia(mm)
6 x 8	60	+16%/-4%	2.7
8 x 10	80	+16%/-4%	2.7-3.0
10 x 12	100	+16%/-4%	2.7-3.0

**3.Standard Wire Diameters**

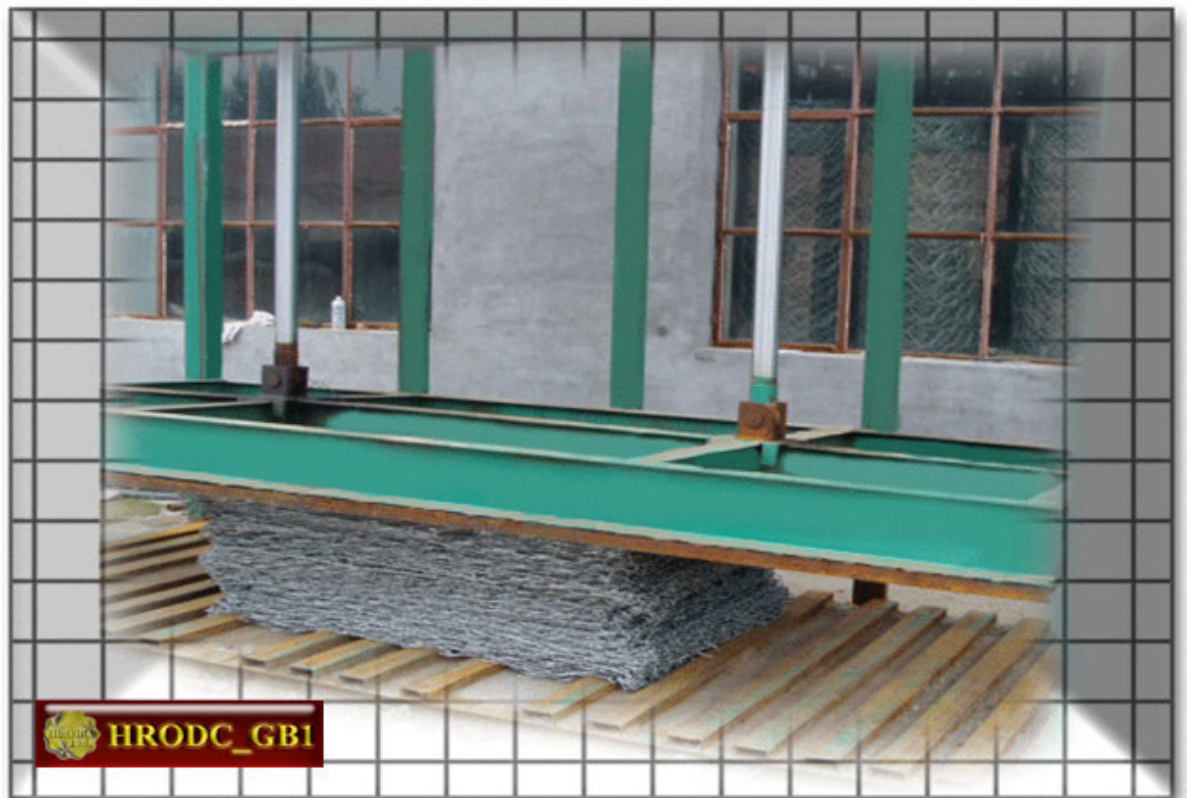
		Mesh Wire	Selvedge Wire	Lacing Wire
6 x8 Mesh Type	Φmm	2.7	3.4	2.2
8 x 10 Mesh Type	Φmm	2.7	3.4	2.2
		3.0	3.9	2.4
10 x 12 Mesh Type	Φmm	2.7	3.4	2.2
		3.0	3.9	3.4

**4.Table Of Wire Tolerance and Coating**

Wire Dia mm	2.20	2.40	2.70	3.00	3.40	3.90
Wire ToleranceΦ mm	0.06	0.06	0.06	0.07	0.07	0.07
Min Q.ty of Zinc g/m	240	250	205	260	260	260



## Gabion Basket Images



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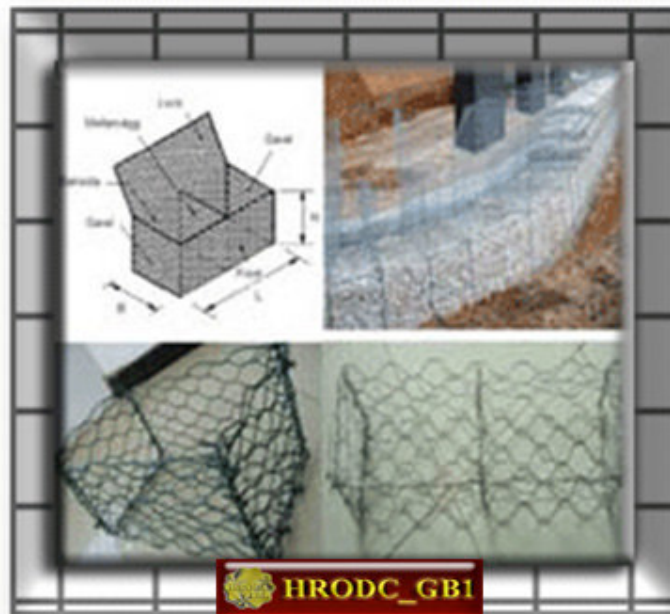
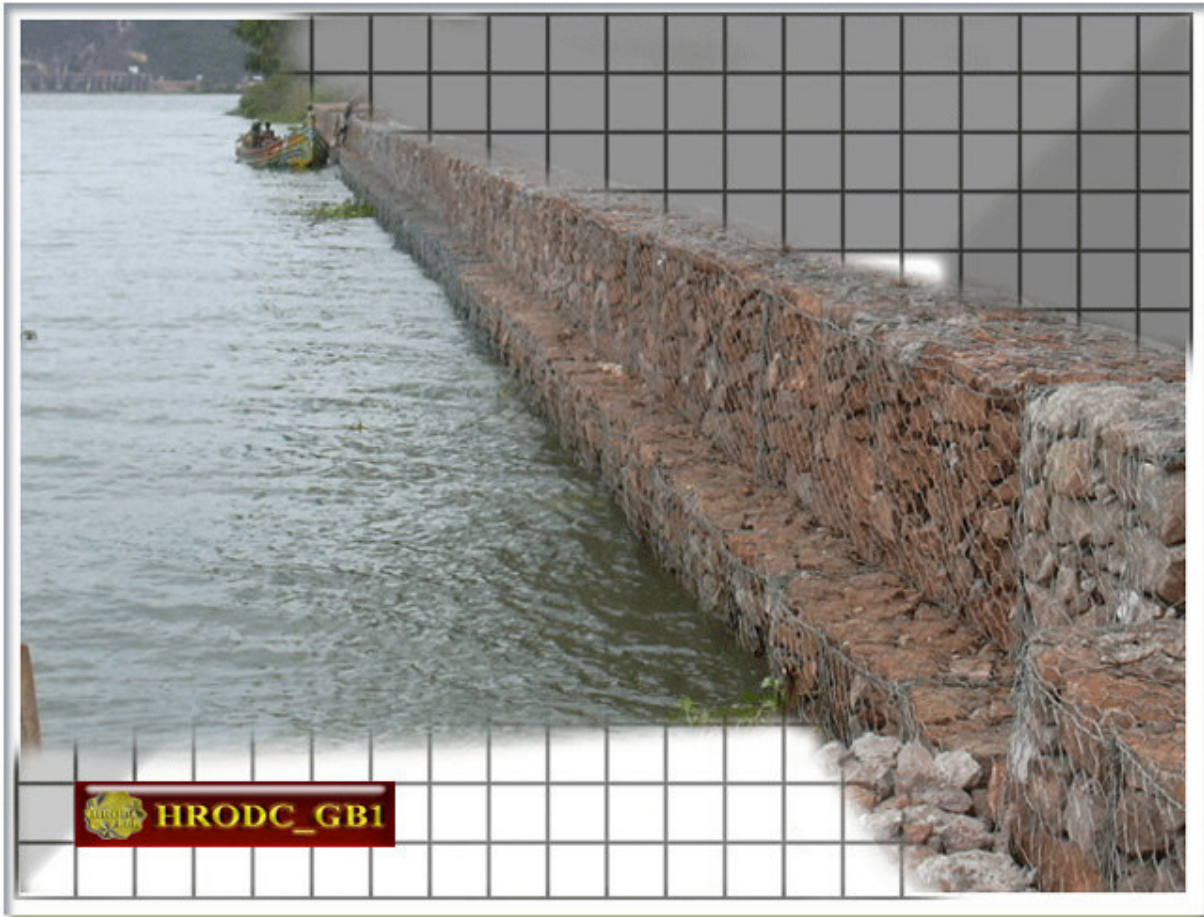
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<b>Gabion Baskets and Tie-wire– Technical Specification</b>	
<b>Specifics</b>	<b>Value</b>
Size of Gabion	2.0 x 1.0 x 1.0 Metres
Mesh Size	80 x 100 mm
Mesh Wire:	2.7 mm Heavily GI
Selvedge Wire	3.4 mm Heavily GI
Tie Wire Diameter	2.2 mm Heavily GI (5% by weight)
Tie Wire composition	Zinc coating; Heavy Galvanized (220 GSM)
Tensile strength range	51 kg/mm <sup>2</sup> (BS 443-1982 Table 4)
Zinc minimum weight	Galvanized (BS 443-1982 Table 4, Values less than 540 mm <sup>2</sup> )
Partitions	Provided at every 1 metre
Sl. No.	1
No of Partitions	1

**End of Gabion Basket Description**



# Payment Methods

## Bank Transfer Details:

❖ [You may pay from your online bank or through counter credit using the following information:](#)

Bank Name: [Barclays](#)  
Bank Location: [Rye lane, Peckham Branch, London, UK](#)  
Account Name: [Human Resource and Organisational development Consultancy \(HRODC\)](#)  
Account number: [30590231](#)  
Sort Code: [20 66 51](#)  
IBAN Number: [GB95 BARC 2066 5130 5902 31](#)  
SWIFTBIC Number: [BARCGB22](#)

Please note that if Cash Payment is made into this account, at any UK Barclays Bank, it will be credited to our account immediately.

**Credit card payment maybe made at:**

[http://www.hrod-consultancy.com/Product\\_Purchase\\_Form.htm](http://www.hrod-consultancy.com/Product_Purchase_Form.htm)

**Additional  
Comments**

NA

With Kindest Regards,



Prof. Dr. R. B. Crawford  
Chief Executive

