

## ESTIMATING GUIDE FOR GABION CONSTRUCTION

CODE	GABION SIZE	Minutes required per 2 man crew per function					1 man total minutes	Approx. total production rate man hour/cu.yd. in place
		Assembly	Placing	Stone Filling	Lid Closing	Total Minutes		
A,B,C	2m x 1m x 1m 3m x 1m x 1m 4m x 1m x 1m	15	15	45*	15	90	180	0.77 M.Hr/cu.yd 1.3 cu.yd/M.hr
D,E,F	2m x 1m x .5m 3m x 1m x .5m 4m x 1m x .5m	10	10	15*	15	50	100	0.85 M.hr/cu.yd 1.2 cu.yd/M.hr
G,H,I	2m x 1m x .3m 3m x 1m x .3m 4m x 1m x .3m	5	5	10	15	35	70	1.0 M.hr/cu.yd 1.0 cu.yd/M.hr

\*including time for placement of internal wires required with these sizes

Note: Various types of equipment such as front end loader, grade-all, clam bucket, etc., may be used for stone filling. According to the kind of structure and job conditions, one piece of equipment is more efficient than others.

### COST ESTIMATING FORMULA

$\frac{\text{GABION COST}}{\text{GABION VOL.}} + \$\text{Stone/Cu.Yd.} + \frac{0.77}{1.00} \times \text{hr.rate} + \text{Cost of Machinery (rate per hour)} = \text{COST}$
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**ADD PROFIT & OVERHEAD = BID PRICE**

Note: Production figures are based on empirical data using 13 gauge (0.091) lacing wire. Tiger Tite interlocking fasteners may significantly affect production output.