

# COSTOS Y PRESUPUESTO

CEMENTO BLANCO  
\$280  
BULTO DE CEMENTO  
\$225.00

| LECHADA - CEMENTO GRIS- AGUA |          |                |          |                             |                             |
|------------------------------|----------|----------------|----------|-----------------------------|-----------------------------|
| CODIGO                       | MATERIAL | UNIDAD         | CANTIDAD | P.U                         | IMPORTE                     |
|                              | CEMENTO  | TON            | 1.345    | \$4,500                     | \$6,750                     |
|                              | CEMENTO  | TON            | 1.339    | <del>\$5,668</del>          | <del>\$7,100</del> \$14,560 |
|                              | AGUA     | M <sup>3</sup> | 0.91     | \$11,200<br>\$140           | \$127                       |
|                              | AGUA     | M <sup>3</sup> | 1.17     | <del>\$163.8</del><br>\$140 | \$163.8                     |

1.1.500T de cemento gris + 3% de desperdicio.

2 0.700 m<sup>3</sup> de agua + 30% de desperdicio.

1.

## PASTA DE CEMENTO GRIS Y BLANCO

| LECHADA GRIS Y BLANCA |                |                |          |          |           |
|-----------------------|----------------|----------------|----------|----------|-----------|
| CODIGO                | MATERIAL       | UNIDAD         | CANTIDAD | P.U      | IMPORTE   |
|                       | CEMENTO BLANCO | TON            | 1.545    | \$17,400 | \$17,800. |
|                       | CEMENTO GRIS   | TON            | 1.545    | \$450    | \$6,750   |
|                       | AGUA           | M <sup>3</sup> | 0.91     | \$140    | \$163.8   |

# MEZCLA DE CEMENTO ARENA

| CODIGO | UNIDAD         | CANTIDAD | P.U     | IMPORTE   |
|--------|----------------|----------|---------|-----------|
| 1:2    | T              | 0.618    | \$4,500 | \$2,700   |
|        | M <sup>3</sup> | 1.08     | \$2,400 | \$432     |
|        | M <sup>3</sup> | 0.357    | \$140   | \$50.05   |
| 1:3    | T              | 0.525    | \$4,500 | \$2,295   |
|        | M <sup>3</sup> | 1.188    | \$2,400 | \$473.2   |
|        | M <sup>3</sup> | 0.333    | \$140   | \$49.50   |
| 1:4    | T              | 0.442    | \$4,500 | \$1,989   |
|        | M <sup>3</sup> | 1.209    | \$2,400 | \$578.4   |
|        | M <sup>3</sup> | 0.345    | \$140   | \$48.41   |
| 1:5    | T              | 0.370    | \$4,500 | \$1,665   |
|        | M <sup>3</sup> | 1.242    | \$2,400 | \$496.8   |
|        | M <sup>3</sup> | 0.339    | \$140   | \$47.50   |
| 1:6    | T              | 0.309    | \$4,500 | \$1,390.5 |
|        | M <sup>3</sup> | 1.285    | \$2,400 | \$514.08  |
|        | M <sup>3</sup> | 0.334    | \$140   | \$46.77   |
| 1:7    | T              | 0.257    | \$4,500 | \$1,156.5 |
|        | M <sup>3</sup> | 1.339    | \$2,400 | \$535.6   |
|        | M <sup>3</sup> | 0.327    | \$140   | \$45.86   |

## CLASIFICACIÓN 3% PROPORCIONES 8% AGUA 30%

|       | CEMENTO  | ARENA                       |
|-------|----------|-----------------------------|
| • 1:2 | 0.600T → | 1.00M <sup>3</sup> → 0.275  |
| • 1:3 | 0.510T → | 1.100M <sup>3</sup> → 0.272 |
| • 1:4 | 0.430T → | 1.120M <sup>3</sup> → 0.266 |
| • 1:5 | 0.360T → | 1.130M <sup>3</sup> → 0.261 |
| • 1:6 | 0.300T → | 1.190M <sup>3</sup> → 0.257 |
| • 1:7 | 0.250T → | 1.240M <sup>3</sup> → 0.252 |
| • 1:8 | 0.210T → | 1.300M <sup>3</sup> → 0.236 |

CEMENTO \$225

ARENA \$2,400

AGUA \$140

|     |                |         |         |         |
|-----|----------------|---------|---------|---------|
| 1:8 | T              | 0.216   | \$4,500 | \$972   |
|     | M <sup>3</sup> | 1.404   | \$240   | \$561.6 |
|     | M <sup>3</sup> | x0.254x | \$140   | \$35.68 |
|     |                | 0.332   |         |         |

15/05/28

|                        | CEMENTO | ARENA | GRAVA | AGUA  |
|------------------------|---------|-------|-------|-------|
| 100 Kg/cm <sup>2</sup> | 0.260   | 0.500 | 0.680 | 0.195 |
| 150 Kg/cm <sup>2</sup> | 0.323   | 0.480 | 0.670 | 0.210 |
| 200 Kg/cm <sup>2</sup> | 0.355   | 0.470 | 0.630 | 0.195 |
| 250 Kg/cm <sup>2</sup> | 0.423   | 0.465 | 0.640 | 0.190 |

VOLUMEN DE CONCRETO

PLANTILLA 0.504m<sup>3</sup> ZAPATA 1.06m<sup>3</sup> CT 6.28m<sup>3</sup>

Bulto de cemento \$225 ARENA \$400 Agua \$140

| CONCRETO |                |          |        |          |
|----------|----------------|----------|--------|----------|
| Codigo   | UNIDAD         | CANTIDAD | P.U    | IMPORTE  |
| PC       | M <sup>3</sup> | 0.267    | \$4500 | \$1201.5 |
|          | M <sup>3</sup> | 0.540    | \$400  | \$216.0  |
|          | M <sup>3</sup> | 0.737    | \$400  | \$294.8  |
|          | M <sup>3</sup> | 0.253    | \$140  | \$35.42  |
| ZC-1     | TL             | 0.433    | \$4500 | \$1948.5 |
|          | M <sup>3</sup> | 0.502    | \$400  | \$200.8  |
|          | M <sup>3</sup> | 6.691    | \$400  | \$276.4  |
|          | M <sup>3</sup> | 0.24     | \$140  | \$33.6   |
| CTL      | TL             | 0.435    | \$4500 | \$1957.5 |
|          | M <sup>3</sup> | 0.502    | \$400  | \$200.8  |
|          |                | 6.691    | \$400  | \$276.4  |
|          |                | 0.247    | \$140  | \$34.58  |
| Pc       |                |          |        |          |

$$100 \text{ Kg/cm}^2 = \$ 879.43$$

$$ZC \text{ } 250 \text{ Kg/cm}^2 = \$ 2,582.26$$

$$TC \text{ } 250 \text{ Kg/cm}^2 = \$ 528.55$$

*[Signature]* 20/05/18