

ABSTRACT OF COST ORIGINAL ESTIMATE  
[Refer Para . 4.23 and CPWD Code para No. 87]

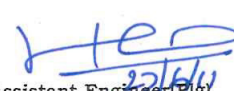
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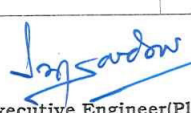
State : A&N ISLANDS  
Branch :

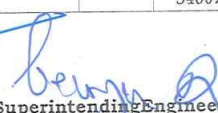
Division:-CD-I Port Blair  
Sub-Division:

Name of Work :- Construction of RCC retaining wall (3 mtr height) for a length of 60 mtr.

| S. No | Description of Items   | Qty       | Rate    | Unit | Amount      |
|-------|--|-----------|---------|------|-------------|
|       | <b>EARTH WORK</b>  |           |         |      |             |
| 1     | Earth work in excavation by mechanical means (Hydraulic Excavator )/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. |           |         |      |             |
| a)    | Ordinary rock  | 100.00    | 162.65  | cum  | 16265.00    |
| 2     | Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level   |           |         |      |             |
| a)    | 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)   | 6.00      | 2296.15 | cum  | 13777.00    |
| 3     | Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level  |           |         |      |             |
| a)    | 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)   | 41.00     | 3732.00 | cum  | 153012.00   |
| 4     | Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shuttering finishing and reinforcement.   |           |         |      |             |
| a)    | 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)   | 15.00     | 4092.35 | cum  | 61385.00    |
| 5     | Centring and shuttering including strutting, propping etc. and removal of form work for :  |           |         |      |             |
| a)    | Foundations, footings, bases for columns.  | 25.00     | 119.25  | sqm  | 2981.00     |
| b)    | Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.   | 180.00    | 180.40  | sqm  | 32472.00    |
| 6     | Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.   |           |         |      |             |
| a)    | Thermo-Mechanically Treated bars.  | 6468.00   | 42.70   | kg   | 276183.6    |
| 7     | 12 mm cement plaster of mix :  |           |         |      |             |
| a)    | 1:4 (1 cement : 4 fine sand)   | 129.00    | 77.55   | sqm  | 10004       |
| 8     | Supplying and stacking of hard stone (for stone pitching)  |           |         |      |             |
| a)    | 22.50 cm thick at site   | 27.10     | 458.35  | cum  | 12421       |
| 9     | Dry stone pitching 22.5cm thick laid in courses and required profile with hammer dressed stones having no side less than 15 cm, with minimum depth of 20cm including preparing the bedding surface etc. all complete. (Payment for Stone to be made separately)  | 90.22     | 96.60   | sqm  | 8715        |
| 10    | Providing and fixing 75 mm PVC pipe for weep holes   | 65.00     | 125.00  | mtr  | 8125        |
|       |  |           |         |      | 595340.60   |
|       | Add for cost index 154 %   | 587215.60 | 154     | 100  | 904312.02   |
|       | Cost for 26 mtr  |           |         |      | 1499653.00  |
|       | Cost for 1 mtr   |           |         |      | 57678.96    |
|       |  |           |         |      |             |
|       | Cost for construction of 60 mtr retaining wall   |           |         |      | 3460737.692 |
|       |  |           |         |      | 3460738.00  |

  
Assistant Engineer (Plg)  
Construction Circle No-I,  
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Executive Engineer (Plg)  
Construction Circle No-I,  
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Superintending Engineer  
Construction Circle No-I,  
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