

L. D. COLLEGE OF ENGINEERING, AHMEDABAD (GTU)

8th Semester Civil Engineering - PDDC 2013 Batch

Subject Code & Name : X80601 - Professional Practice & Valuation

Assignment - 4 (Rate Analysis)

Date : 13-02-2017

Theory :

1. Explain in details various factors affecting rate analysis.
2. Determine the unit rate for 230 mm thick brickwork in cement mortar 1:6.
3. Calculate the amount of labour and material required for 1:6 cement sand mortar 12 mm thick for 100 m² area.
4. Carryout the rate analysis for RCC work for beam in 1:1.5:3 CC.
5. Explain in brief about sundry, work charge establishment, Contingencies, Administrative approval, Schedule of Rates, Lump-Sum items
6. Explain the term 'Task work'. Discuss the factors affecting task work. Narrate the task work for mason.
7. Calculate the number of bricks required for 100 square meter of 10 cm thick brick partition wall with 1:3 cement mortar
8. Give the detailed analysis for whitewashing with lime.
9. Find the rate of Plain Cement Concrete (1:3:6) per cu. m. by Rate analysis. Assume suitable rates of material and labour.
10. Estimate the cost of transporting 50000 bricks by a cart over a distance of 10 kilometre. The cart can carry 250 bricks at a speed of 4km/hour. The cart hire is Rs 30/day including cartman. Assume a working day of 8 hours and $\frac{3}{4}$ hours for loading and unloading.

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