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MATRIC NUMBER : 17/ENG01/022

ENGINEERING LAW AND MANGERIAL ECONOMICS

 SHORT TEST

You have been invited by the current president of Nigeria, General Muhammadu Buhari to make an argument for the optimization of engineering resources in the country.  As an aspiring Engineer, briefly discuss your view on this and make viable recommendations that will facilitate timely completion of engineering projects within the allocated budget without jeopardizing economic and legal regulations of Nigeria.

ANSWER

Optimization is a process in which the output is increase by the way of reducing cost. The completion of engineering work , most especially on site is very important in a modern society . This completion goes with the date of stimulated delivery which the tender board of any organization of firm agrees with before a project is giving to any engineering firm for execution. As engineer on site, the principle of optimization must be considered, this optimization process gives the firm a better output thereby reducing the cost that may have been generated from the operational activities e.g Cost of labour, Cost of materials etc. . As an engineer, you are expected to know the cost of what you’re a going in for. Understanding the concept of costing will help us to know the modern cost of a particular project

RECOMMENDATION

1. The engineering firm must have registered with CAC (Cooperate Affairs Commission) before he can apply to tender board bid of contract.
2. The engineering firm must also be a “major” or specialist in that area of interest for a quality job to be done.
3. The work force of the engineering firm must be reasonable to achieve the date of delivery which is very paramount to the awarding .
4. The engineering firm must be financially buoyant to execute the bid contract even if government has not released the upfront on time .