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Computer Engineering

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.

SOLUTION

Engineering resources in the country can be optimized by having a transparent contractor-worker

relationship. Contracts are awarded to engineering firms, ie rehabilitation of an express way.

Such contracts should have a human resources manager, an engineering supervisor, an

economist. Likewise an ecological expert should be on board.

Human resource managers look out for the input of labourers both skilled and unskilled and

likewise should compared to their output.

The engineering supervisor should ensure tht the job done by these worker meet all engineering

requirements and specification. This must be done without bias.

The economist here must work hand in hand with both the human resource manager and the

supervisor as he controls their funding. However, this power shouldn’t be abused. He must

correlate with the supervisor to know how the material chosen, the engineering approach taken

and a few other factors affect the funding. Likewise he should seek to support human

management as some or more workers may have troubles either individually or collectively.

The ecologist literally plays a behind the scenes role and only steps in when any step taken into

the project seeks to harm the environment.

With all these put into place, the office of the presidency should give their best shot at ensuring

no corrupted individuals are a part of the project. This enables smooth flow of funds from the

presidency to the mere workers and this boosts communication.