CVS 376: ENGINEERING FOR SUSTAINABLE DEVELOPMENT

ASSIGNMENT ONE: MONDAY 24TH APRIL, 2017

An Investor wants to put up an Industrial Plant for the manufacture of paper and its derivatives for both local and external market. The Investor intends to establish the paper manufacturing mill in a relatively wet and forested upper parts of Laikipia District in the slopes of Mt. Kenya. A part from the paper mill, the Investor will also provide infrastructure and social amenities in the region. In view of the socio-economic and bio-physical environmental implications that may result due to the proposal, there has been public debate particularly on the loss of habitat/biodiversity and competition for scarce water resources in the region. Assuming your consultancy firm has won a contract to undertake Environmental Impact Assessment (EIA) study on this proposed project:

a) Discuss the logical steps in the EIA process that your study team is likely to follow in order to achieve the task assigned to you. Justify the formation of the Interdisciplinary Team for this EIA study.

b) Who would you consider to be Key Stakeholders to participate in the EIA study process? Give reasons for your answer.

c) State and explain at least five (5) issues which should form the scope of the EIA study.

d) Discuss factors that you may consider in order to determine the significance of environmental impacts of the proposed project.