

Pacifique ABIMANA

4th June 2021

Kigali City-Rwanda

To: The Admissions Office, IIT Kharagpur

Dear sir/Madam

RE: Application for Post-graduate studies in Civil Engineering with Specialization in Hydraulic and Water resources engineering.

I am hereby applying for Master programme in Civil Engineering with specialization in Hydraulic and Water Resources Engineering at IIT Kharagpur. I have graduated in 2019 with 75.77%, from the University of Rwanda, Department of Civil, Environmental and Geomatics Engineering. I hold a bachelor's degree in Water and Environmental Engineering. During my undergraduate studies, I have conducted the research that has been published as a paper, entitled "*Indoor PM2.5 characteristics and CO Concentration in households using biomass fuel in Kigali City*". In "International Journal of Environmental Studies", available at <https://doi.org/10.1080/00207233>.

My interest in water resources engineering has been developed due to water issues in my country. Rwanda is landlocked country and the most densely populated of Africa. Its water resources are at high pressure of exponential population growth and rapid urbanization. Water scarcity is the major problem that Rwandan community face, low access to clean water pushes residents to fetch polluted water from the lakes, rivers and streams that expose them to infections and diseases. Therefore, advanced technology in water supply system and treatment is needed. However, the Country still have a gap of specialists in this specific domain. Since, IIT Kharagpur is worldwide recognized for capacity development in the Engineering field, studying at such prestigious university will help me to become a qualified professional and address the issue above mentioned.

I am the suitable candidate for this masters because the course's program are relevant to my experience. Recently, I worked as *Water Engineer* at Water for People (WFP)-Rwanda with main task of Designing water networks. I have also served on the same position at Water and sanitation Corporation Ltd (WASAC) with the main responsibilities of water quality monitoring. Thus, I believe that my experience and academic background will enable me to be an excellent student at the university.

Lastly, I am quick learner, creative, hard worker, self-motivated person. I believe to bring a valuable contribution to the research at the university. Therefore, I would appreciate to be given an opportunity to pursue the master programme in Civil Engineering with specialization in Hydraulic and Water resources engineering at IIT Kharagpur.

I am grateful for considering my application and I look forward to hearing from you.

Sincerely,



Pacifique Abimana