

Research proposal for MS Program

Title:

Sustainable Sanitation Technologies for Coastal Districts in Bangladesh: A Relationship with Climate Change.

Scope/Rationale of the work:

Bangladesh is a disaster prone country. Disaster like cyclone, storm surge affect in almost every year in coastal region of Bangladesh. In recent years, cyclone Sidr, Aila, Mahasen hit coastal districts. Coastal Districts are the most vulnerable districts of Bangladesh. During Sidr & Aila, the water supply and sanitation facilities of coastal districts were almost destroyed. Also due to tidal surge, a large area of this district goes under water. As a result, sanitation facilities are affected and water sources are contaminated. Another problem in water supply of coastal districts are high salinity and iron presence in ground water in some areas of coastal districts. The existing water supply and sanitation technologies are not suitable considering the present situation. So sustainable sanitation technologies are required for coastal districts with climate change.

Objectives:

1. To implement the sustainable technologies considering the present condition.
2. To know the vulnerability of the existing technologies.

Methodology:

1. Selection of the study area.
2. Data collection :
 - (i) Primary data: From Questionnaire survey in sample basis.
 - (ii) Secondary data: From different organizations like UNICEF, DPHE, etc.
3. Preparation of data: Analyze the results of the survey.
4. Recommendation for sustainable sanitation technologies for coastal districts.

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