

Group 3

Summary Description of Hospital Rehabilitation and Expansion



Located 30 minutes from Suvarnabhumi Airport within the MinBuri district of Bangkok is Navamin 9 Hospital, a leading private suburban hospital within the Navamin Hospital group. Constructed in 2008, Navamin 9 Hospital provides 24-hour emergency care services overseen by specialist medical teams, including various services by well-trained nursing staffs. The hospital uses state of the art medical technology and devices, and employs the use of electronic medical records to store, retrieve and modify records with secure and fast access.

The hospital's medical teams and other support staff work together to meet the health needs of all customers. With 25 full-time doctors and 100 part-time doctors, as well as 120 full-time nurses and 40 part-time nurses, the hospital provides on average services to 1,000 outpatients per day and 100 in-patients per day. At full capacity, the hospital can provide services for more than 2,000 out-patients per day and 201 inpatients per day across the 1.58 acre main building. In addition, the hospital serves approximately 100,000 people that are not covered by the public hospital.

Scenario:

Due to the on-going growth of Bangkok city, more people choose to live in Minburi and in the industrial estates nearby or to commute to the city. As a consequence, the Navamin 9 Hospital will soon be undertaking significant expansion to meet the growing needs of MinBuri district as part of the USAID0-funded Program X. This expansion will include:

- The expansion of the Outpatient Department to accommodate an additional 500 outpatients per day
- The Maternal/Pediatric Department will be expanded to house 70 additional beds
- The Morgue will be expanded by 50% to now have a total capacity of 75 bodies at a time.

This increase of in-patients is also anticipated to result in an increase in waste generated by about 25% from current levels.

Based on your field observations during the site visit at Navamin 9 Hospital, what do you think would be the environmental impacts of conducting such expansion activities as the scenario above proposes, especially in terms of the increased waste that will be generated? What would be some mitigation measures that USAID implementing partners would have to take in order to prevent or attenuate these impacts? Please use the relevant *Small-scale Environmental Guidelines* chapter provided, as well as the EMMP template (also provided) to assist you and structure your discussion.