

the various options and possibilities. Using a suite of engineering tools TCE came up with options considering the possibilities within the given constraints. The result of the first workshop was the evolution some master plan options. Workshop II convened again to deliberate on the shortlisted master plans. The teams from TCE & the client went back to the war-room to brainstorm and iterate the plans for an optimal solution. For the first time in the 54-year history of TCE and for the client as well, a fruitful client-consultant engagement took place to put the best brains to work for collaboration and consensus. The iterative workshop saw TCE present 37 iterations in a single instance to visually indicate to the client the various possible scenarios. Brainstorming on the digital scenarios, the optimal choices were made. With the participation of the senior management across various functions from both sides, the risk elements, the constructability challenges, the non-negotiable requirements, etc were thoroughly examined. Two critical out-of-the-box ideas were mooted and deliberated upon. Based on evaluations, course corrections were adopted and

This project, in the real sense, has revealed team work. For increasing usable ground area even in such different levels of terrain, 4-D construction simulations were developed. This project is unique as it serves as learning for developing project management strategies and use of advance technology.

Radheya B Joshi
Construction Manager - PMC

the blue print was finalised in just two days.

A process that would have taken months with time consuming iterations was managed by adopting the design thinking process for viewing the situation in all its complexity and collectively arriving at a consensus. A collaborative effort to problem solving provided the win-win option for both client and consultant.

The facility is designed to be a state-of-the-art facility benchmarked to the highest standards in design, safety and sustainability. Great things are possible when diverse minds funnel their ideas towards one goal. Architects, civil, mechanical, electrical engineers, digital engineering experts, people across hierarchies collaborated to plan the client's vision. This exercise stands out as a classic example of design thinking and collaboration.

"The project teams showed excellent co-ordination for exchange of ideas and as a participant I received first-hand experience on strategy and team work."

Abhijeet Vaidya,
Project Manager, TCE

