

# Summary of cavern&tank construction

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*4th open Hyper-K meeting  
January 27-28, 2014*

# Brief summary

- We made a conceptual design and corresponding cost estimation for
  - Cavern construction
    - 48m(W) x 54m(H) x 250m(L) x 2 caverns
    - for Tochibora site based on the observed rock population, waste rock disposal at Maruyama
    - waste rock disposal fee and water process fee to be added
    - “full geological survey and detailed design” to be added
    - Japanese document for Tochibora has been written, to be updated as we make progress in Mozumi study.
  - Tank construction
    - Polyethylene liner, SUS support structure
    - Japanese document will be ready very soon

# full geological survey and detailed design

- We need full geological survey
  - to make a detailed real design of the cavern, rock disposal place, and tanks.
  - initial estimation for Mozumi site
    - budget request submitted for the survey from JFY2015
    - estimation for Tochibora site in a few weeks
    - making effort to minimize the survey/construction period
- We will need to update estimation for both construction cost and period soon (before discussion with MEXT)