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Approach and Methodology for Technical Review of the Pak Beng Hydropower Project

- Dam Safety Review -

Regional Stakeholder Forum on the Council Study and the Pak Beng Hydropower Project
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Luang Prabang, Lao PDR

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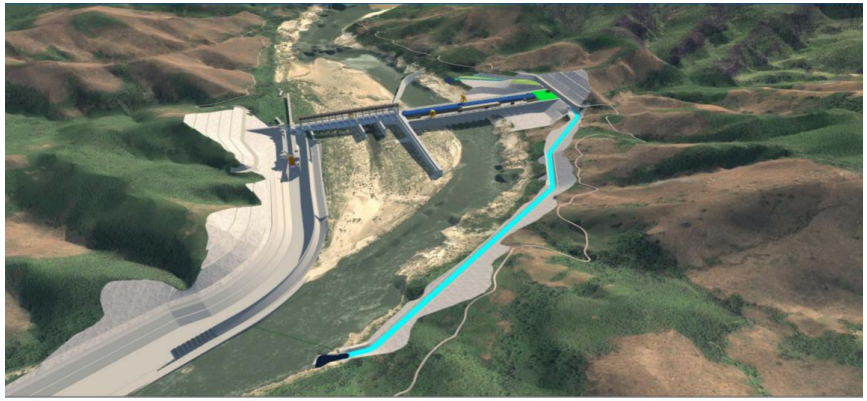


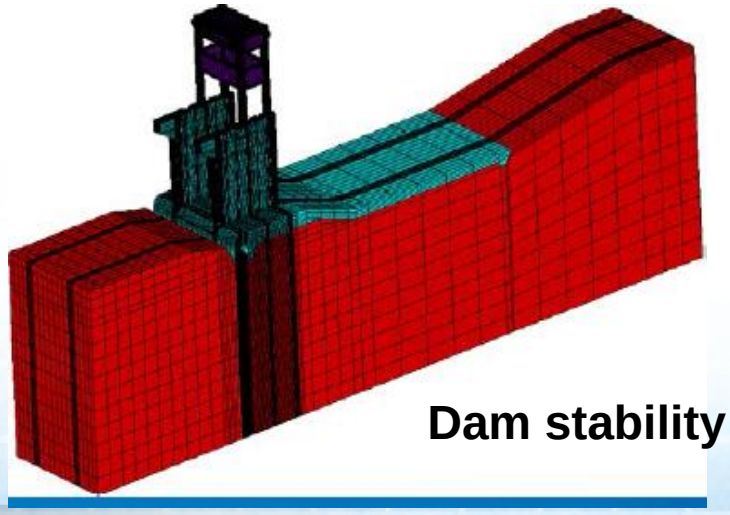
Overview of Submitted Documents

For the safe design, construction and operation of the Pak Beng Dam the Feasibility Report has stated to have made use of and reference to:

- *The MRC Preliminary Design Guidance, Lao Electric Power Technical Standards, ICOLD and World Bank Guidelines*;

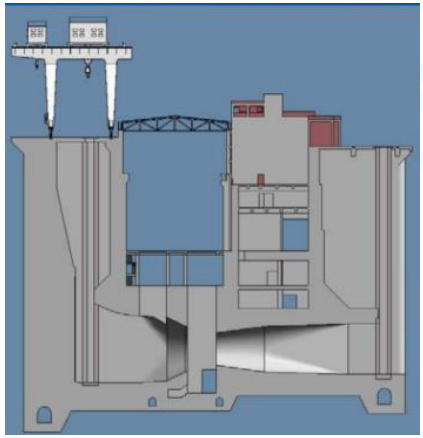
in order to address:

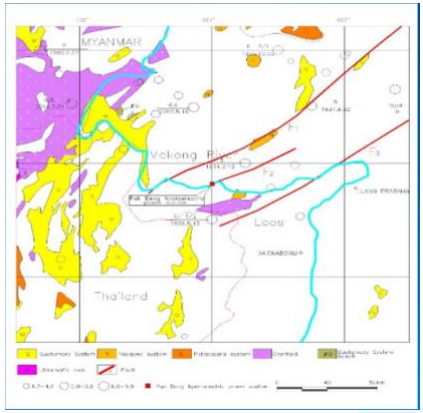
- *The safety issues related to geology, earthquake, flood risk, structural layout, etc. associated with location, scale and structure of the dam;*
- *Initial plan for Emergency Preparedness Plan (EPP) and Dam Safety Management System (DSMS)*



Approach to Technical Review

- To check the concept of safe design, construction and operation of the proposed dam;
- To verify whether the content reflects the national requirements & international good practice for the safety of dams;
- To check whether dam safety measures have addressed safety issues related to geology, earthquake, flood risk, structural layout, etc. associated with location, scale and structure of the dam;
- To check the proposed Emergency Preparedness Plan (EPP) & Dam Safety Management System (DSMS);
- To provide recommendations.





Methodology

- Feasibility Report review with particular focus on Dam Safety part
- Discussion with relevant Pak Beng Hydropower Dam Designers and Government officers
- Site visit
- Comparisons with similar cases (as to compile recommendations)

Thank you!