

Construction in Western Nepal and its Repercussions on Health

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INTRODUCTION

- With the instigation of seven provinces in Nepal, development has decentralized.
- Influx of capitalistic ideas into the nation has made profit the most important criteria for development works.
- Construction in western Nepal is no exception!!!
 - SPT, BH, MCs and BCs

METHODOLOGY

- ❖ SPT Test, Seive Analysis, Bore Hole logs,
- ❖ Soil Classification and Water Content
- ❖ For Hydropower Project, Shear failure Criteria, Settlement, Liquefaction and Consolidation is studied

RESULTS AND DISCUSSION

- LCA was not suggested by the contractor
- Consequences of Materials used were found
- Opting for Polymer based cellular confinement systems suggested
- Leaching of metals and toxins is a major environmental hazard.
- IS and ASTM codes are followed yet more can be done.

CONCLUSIONS

- Even though, EIA clearly set by Government, no emphasis on use.
- Environmental, political, social and economic factors as a whole need to be considered.
- Future work on the water content difference, drought and reinforcing new technologies.

REFERENCES

- ✓ Research papers (as mentioned in my paper) from Europe, South America, Australia and Asia
 - ✓ ASTM E 290 – 97a, ASTM D 448 – 98 and IRC 5 2015
 - ✓ Ministry of Forests and Environment, Government of Nepal Manual

