

REPLY TO GENERAL QUERIES BY RESPECTIVE BIDDERS
PERTAINS TO GEOTECHNICAL STUDIES

Below mentioned are replies to general observations of respective bidders:

- 1- No of locations mean number of bores to be done. There can be 02 bores per bridge or one bore per bridge depending on site requirement.
- 2- Bore locations shall be provided to successful bidder.
- 3- Geotechnical report shall be submitted for each bridge separately.
- 4- Pile capacity curve shall be generated for pile dia 0.76m, 1.0m, 1.2m, 1.5m for each bridge.
- 5- Geotechnical investigation report for each bridge shall be provided with clear recommendation relating footing type.
- 6- Minimum no of tests to be conducted for each location is attached at **Appendix-A**.
- 7- Contract shall solely be with National Highway Authority (NHA). NESPAK shall not liable for any contractual / financial claim at any stage.

APPENDIX -A**MINIMUM TESTS TO BE PERFORMED FOR EACH LOCATION**

Sr. #	Name of Test	No of Tests / Bore
1	Grain size analysis	8
2	Liquid limit, plastic limit	4
3	Specific gravity	4
4	Unit weight of soil	4
5	Unconfined compression (soil)	4
6	Unconfined compression (rock)	2
7	Natural moisture content	4
8	Consolidation	2
9	Direct shear	5
10	Triaxial compression test	2
11	Sulphate content of Soil	2
12	Organic matter content of soil	2
13	Total dissolved salts of soil	2
14	Chloride content of soil	2
15	Chemical analysis of water	
	a) Sulphate content of water	1
	b) Total dissolved salts of water	1
	c) Chloride content of water	1
	d) pH of water	1
Note:	Above mentioned tests are minimum no of tests to be performed for each location. In addition, any further testing required for development of pile capacity curves, same will be conducted at no extra cost.	