





Appendix I The Last Resort Hand Samples

Table I 1. Photographs and description of hand samples collected at the base of The Last Resort Rockfall deposit. Descriptions follow (ISRM 1978).

	Sample Photographs	
Name	TLR 1	TLR 2
View across planes		
View along plane		
Rock description	Light greenish brown with grey and white, medium grained to coarse grained, homogeneous to bedded, weak to medium strong (R2-2.5), faintly weathered on exposed surfaces (W1.5). Quartz veins present. [METASANDSTONE-QUARTZITE]	Light grey with light brown staining, medium grained, homogeneous with evidence of old bedding planes, medium strong (R3), faintly weathered (W1.5). Chlorite alteration on outer surfaces. [QUARTZITE]

The following page shows the point load test results from all samples tested. This thesis only considers the results for TLR-1 and TLR-2.



Nepal Electricity Authority

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Point Load Test Results

(Lump/Irregular Samples)

S. No.	Sample No.	Test	Width mm	Height mm	P kPa	De ²	De	Is MPa	F	Is (50) MPa
1	Phulping 1	Lump	80.12	93.00	16250	9,487.09	97.40	1.94	1.350	2.62
			84.72	51.00	15250	5,501.30	74.17	3.15	1.194	3.76
			94.22	39.00	12750	4,678.61	68.40	3.09	1.151	3.56
			99.64	37.50	15625	4,757.45	68.97	3.73	1.156	4.31
			45.76	50.00	6000	2,913.17	53.97	2.34	1.035	2.42
			40.73	37.00	2500	1,918.78	43.80	1.48	0.942	1.39
2	Phulping 2		73.19	45.50	12500	4,240.06	65.12	3.35	1.126	3.77
			92.46	40.00	17000	4,708.94	68.62	4.10	1.153	4.72
			96.63	60.00	27000	7,381.97	85.92	4.15	1.276	5.30
			58.54	73.00	12500	5,441.07	73.76	2.61	1.191	3.11
			53.27	56.00	14750	3,798.22	61.63	4.41	1.099	4.84
			41.00	42.00	12500	2,192.51	46.82	6.47	0.971	6.28
3	Phulping 3		70.55	36.00	6250	3,233.77	56.87	2.19	1.060	2.32
			94.09	32.00	9000	3,833.56	61.92	2.66	1.101	2.93
			84.62	38.00	18500	4,094.17	63.99	5.13	1.117	5.73
			65.04	47.00	8750	3,892.13	62.39	2.55	1.105	2.82
			59.10	47.00	13500	3,536.67	59.47	4.33	1.081	4.68
			46.80	46.50	6000	2,770.82	52.64	2.46	1.023	2.52
4	TLR - 1	83.65	57.00	15750	6,070.86	77.92	2.94	1.221	3.60	
		42.90	55.00	7000	3,004.20	54.81	2.64	1.042	2.76	
		59.50	51.00	12500	3,863.64	62.16	3.67	1.103	4.05	
		57.90	38.00	1000	2,801.38	52.93	0.41	1.026	0.42	
		52.63	36.00	2250	2,412.38	49.12	1.06	0.992	1.05	
		43.41	51.00	1250	2,818.83	53.09	0.50	1.027	0.52	
5	TLR - 2	86.80	57.00	30500	6,299.47	79.37	5.50	1.231	6.77	
		77.60	67.00	27000	6,619.81	81.36	4.63	1.245	5.76	
		80.50	70.00	29750	7,174.69	84.70	4.71	1.268	5.97	
		71.00	70.00	28000	6,327.99	79.55	5.02	1.232	6.19	
		56.33	63.00	12500	4,518.45	67.22	3.14	1.142	3.59	
		62.15	51.00	7000	4,035.71	63.53	1.97	1.114	2.19	
6	Hydro - 1	66.64	59.50	10000	5,048.48	71.05	2.25	1.171	2.63	
		77.24	62.00	17000	6,097.38	78.09	3.16	1.222	3.87	
		41.86	48.00	7250	2,558.29	50.58	3.22	1.005	3.23	
		49.00	39.00	7250	2,433.16	49.33	3.38	0.994	3.36	
		67.21	43.50	8750	3,722.48	61.01	2.67	1.094	2.92	
		44.90	49.00	8750	2,801.25	52.93	3.55	1.026	3.64	
7	Hydro - 2	79.52	57.00	10000	5,771.12	75.97	1.97	1.207	2.37	
		57.20	31.00	3500	2,257.70	47.52	1.76	0.977	1.72	
		62.10	42.50	4500	3,360.39	57.97	1.52	1.069	1.62	
		64.24	38.00	750	3,108.12	55.75	0.27	1.050	0.29	
		50.00	27.00	825	1,718.87	41.46	0.54	0.919	0.50	
		36.72	30.00	750	1,402.60	37.45	0.61	0.878	0.53	
8	Hydro - 3	111.25	45.00	18500	6,374.14	79.84	3.29	1.234	4.07	
		99.92	55.00	17250	6,997.20	83.65	2.80	1.261	3.53	
		65.86	39.00	2125	3,270.36	57.19	0.74	1.062	0.78	
		54.56	69.00	12500	4,793.28	69.23	2.96	1.158	3.43	
		66.15	69.00	7500	5,811.50	76.23	1.46	1.209	1.77	
		63.81	50.00	9250	4,062.26	63.74	2.58	1.115	2.88	

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