

TRIBHUWAN UNIVERSITY
 INSTITUTE OF ENGINEERING
 PULCHOWK CAMPUS
DEPARTMENT OF CIVIL ENGINEERING

SURVEY INSTRUCTION COMMITTEE
RECIPROCAL LEVELING

Instrument Very Near to A					
Sighted to	Staff Reading			Mean	Apparent Difference
	Top	Mid	Bottom		
A	1.665	1.643	1.622	1.643	-0.497
B	1.484	1.146	0.808	1.146	

Instrument Very Near to B					
Sighted to	Staff Reading			Mean	Apparent Difference
	Top	Mid	Bottom		
A	1.392	1.087	0.781	1.087	-0.493
B	0.606	0.594	0.581	0.594	

Average Height Difference between A and B	-0.495
Error (mm)	4
loop length (2* AB) (km)	0.125002
Permissible error ($25\sqrt{k}$) (mm)	8.839
RL of station A	1304.866
\therefore RL of station B	1304.371