

Institute of Engineering  
**Paschimanchal Campus**  
 Pokhara-16, Lamachaur  
**BCE Survey Camp, 2082**

Group : E

**Major Traverse**  
**Horizontal Angle Measurement Sheet**

Inst. Stn.	Sighted to	HCR	Mean	Horizontal Angle	Distance by TS	Remarks	Corrected Angle
CP1	EM8	00°00'00"	169°13'06"	169°13'01"	84.382	FL	0169°13'03"
		180°00'06"			84.382	FR	
	CP2	169°13'06"	169°12'55"		78.607	FL	
		349°13'01"			78.607	FR	
CP2	CP1	00°00'00"	143°13'47"	143°13'44"	78.618	FL	0143°13'45"
		180°00'00"			78.617	FR	
	EM1	143°13'47"	143°13'40"		82.357	FL	
		323°13'40"			82.356	FR	
EM1	CP2	00°00'00"	135°21'41"	135°21'49"	82.3534	FL	0135°21'50"
		179°59'54"			82.3534	FR	
	EM2	135°21'41"	135°21'56"		83.6543	FL	
		315°21'50"			83.6523	FR	
EM2	EM3	00°00'00"	130°09'46"	130°09'49"	83.69	FL	0130°09'51"
		179°59'59"			83.691	FR	
	EM1	130°09'46"	130°09'52"		70.618	FL	
		310°09'51"			70.618	FR	
EM3	EM2	00°00'00"	164°36'40"	164°36'40"	70.642	FL	0164°36'41"
		180°00'00"			70.647	FR	
	EM4	164°36'40"	164°36'39"		77.883	FL	
		344°36'39"			77.883	FR	
EM4	EM3	00°00'00"	150°48'21"	150°48'22"	77.882	FL	0150°48'24"
		180°00'07"			77.881	FR	
	EM5	150°48'21"	150°48'23"		93.961	FL	
		330°48'30"			93.96	FR	
EM5	EM4	00°00'00"	131°31'56"	131°31'56"	93.967	FL	0131°31'59"
		180°00'08"			93.965	FR	
	EM6	131°31'56"	131°31'56"		89.105	FL	
		311°32'04"			89.106	FR	
EM6	EM5	00°00'00"	130°53'37"	130°53'33"	89.1	FL	0130°53'35"
		180°00'02"			89.1	FR	
	EM7	130°53'37"	130°53'29"		69.519	FL	
		310°53'31"			69.518	FR	
EM7	EM6	00°00'00"	167°28'52"	167°28'53"	69.52	FL	0167°28'55"
		179°59'52"			69.519	FR	
	EM8	167°28'52"	167°28'54"		90.916	FL	
		347°28'46"			90.916	FR	
EM8	EM7	00°00'00"	116°41'54"	116°41'56"	90.912	FL	0116°41'57"
		180°00'02"			90.912	FR	
	CP1	116°41'54"	116°41'57"		84.481	FL	
		296°41'59"			84.481	FR	
Total				1439°59'43"			1440°00'00"
Theoretical Total				1440°00'00"			
Error				00°00'17"			
Permissible Error				03°09'45"			
Correction in each station				00°00'01.7"			