

**PROJECT:** Labor and Materials for the Construction of HKP Bridge  
**LOCATION:** College of Science  
 University of the Philippines Baguio Campus, Governor Pack Road, Baguio City, PH  
**SUBJECT:** Bill of Quantities  
**DURATION:** 25 calendar days

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR + EQUIPMENT UNIT COST	TOTAL LABOR + EQUIPMENT COST	TOTAL DIRECT COST (C)	TOTAL MARK-UP			VAT (G = (E+C) x F)	TOTAL INDIRECT COST (H = (G+E) )	TOTAL COST (I = (C+H) )
									% (D)	VALUE (D x C)	(F)			
<b>1</b>	<b>GENERAL REQUIREMENTS</b>													
	<b>Occupational Safety and Health Program</b>													
	a.Part Time Safety Officer	8.00	days	NA	NA				10%	0.05				
	<b>First Aid Kit</b>	1.00	l.s.			NA	NA		10%	0.05				
	<b>Personal Protective Equipment (PPE)</b>													
	a. Safety Helmet	98.00	man-days			NA	NA		10%	0.05				
	b. Safety Shoes	98.00	man-days			NA	NA		10%	0.05				
	c. Safety Gloves	98.00	man-days			NA	NA		10%	0.05				
	<b>Signages and Barricades</b>													
	a. Safety First (4' x 4')	1.00	set			NA	NA		10%	0.05				
	b. Warning Signs (2' x 3')	2.00	set			NA	NA		10%	0.05				
	c. Caution Tape, 100ft	1.00	roll			NA	NA		10%	0.05				
	<b>Mobilization/Demobilization</b>	1.01	cu.m.	NA	NA				NA	NA	0.05			
<b>2</b>	<b>STRUCTURAL EXCAVATION WORKS</b>			NA	NA				25%					
<b>3</b>	<b>REINFORCED CONCRETE</b>	1.77	cu.m.											
	a. Portland Cement	11.00	bags						25%	0.05				
	b. Sand	0.60	cu.m.						25%	0.05				
	c. Gravel	1.20	cu.m.						25%	0.05				
	d. 16mm dia. x 6m RS8	20.00	pc						25%	0.05				
	e. 12mm dia. x 6m RSB	10.00	pc						25%	0.05				
	f. 10mm dia. x 6m RSB	3.00	kg						25%	0.05				
	g. 1/2" Phenolic board	5.00	pc						25%	0.05				
	h. Lumber	86.67	bd.ft.						25%	0.05				
	i. Assorted CW nails	1.00	kg						25%	0.05				
<b>4</b>	<b>STRUCTURAL STEEL</b>	1.00	lot											
	a. W6 x 12 wide flange beam	2.00	pc						25%	0.05				
	b. 0.25 x 0.20m x 10mm thick metal plate	3.00	cu.m.						25%	0.05				
	c. 0.25 x 0.25 x 10mm thick metal plate	2.00	cu.m.						25%	0.05				
	d. Miscellaneous (bolts, welding electrodes, etc.)	1.00	lot						25%	0.05				
<b>5</b>	<b>RAILINGS</b>	1.00	lot											
	a. 2" dia. X 6m GI pipe, s40	6.00	pc						25%	0.05				
	b. 1-1/4" dia. X 6m stainless pipe, ss316	4.00	pc						25%	0.05				
	c. 2" x 3' x 1.2mm thick tubular bar	12.00	pc						25%	0.05				
	d. 1" x 6mm thick flat bar	3.00	pc						25%	0.05				
	e. Miscellaneous (bolts, welding electrodes, etc.)	1.00	lot						25%	0.05				
<b>6</b>	<b>CANOPY ROOFING</b>	5.10	sq.m.											
	a. 2" dia. X 6m GI pipe, s40	1.00	pc						25%	0.05				
	b. 2" x 3' x 2.0mm thick tubular bar	5.00	pc						25%	0.05				
	c. 6mm thick clear solid polycarbonate sheet (4' x 8')	2.00	pc						25%	0.05				
	d. Miscellaneous (bolts, welding electrodes, etc.)	1.00	lot						25%	0.05				

ITEM NO.	DESCRIPTION	QTY ( A )	UNIT ( B )	MATERIAL UNIT COST	TOTAL MATERIAL COST	LABOR + EQUIPMENT UNIT COST	TOTAL LABOR + EQUIPMENT COST	TOTAL DIRECT COST ( C )	TOTAL MARK-UP			VAT ( G = (E+C) x F )	TOTAL INDIRECT COST ( H = (G+E) )	TOTAL COST ( I = (C+H) )
									% ( D )	VALUE ( D x C )	( F )			
<b>7</b>	<b>PAINTS AND FINISHES</b>	1.00	lot											
	a. 400mmx400mmx10mm R12 Non-slip Homogeneous Porcelain Floor Tile [include sand-cement dry pack, tile adhesive, grout and expansion gap sealant]	8.97	sq.m.						25%		0.05			
	b. Epoxy primer paint	2.00	gal						25%		0.05			
	c. Quick-drying enamel	2.00	gal						25%		0.05			
	d. Miscellaneous	1.00	lot						25%		0.05			
	<b>TOTAL</b>													

Prepared by:

\_\_\_\_\_  
SIGNATURE OVER PRINTED NAME OF BIDDER

\_\_\_\_\_  
DATE