

Labor Capacity (cement) = 1.00 bag/trip  
 Unit Wt (cement) = 40.00 kg/bag  
 Labor Capacity (by weight) = 40.00 kg/trip  
  
 Unit Wt of Wood = 520 kg/cu.m  
 1 bd.ft. = 0.0024 cu.m  
 Unit Wt of Wood = 1.248 kg/bd.ft  
  
 Labor Capacity (by bd.ft) = 32.05 bd.ft/trip

ITEM DESCRIPTION	Labor Capability			Labor Daily Wage	Walking Distance (kms)	Time					No. of trips / day	Labor Output (bd.ft)	UNIT MATERIAL HAULING COST	
	Loading	Unloading	Qty of load per trip			Loading to labor	Loaded travel (@ 2 kph)	No load travel (@3.5 kph)	Unloading from labor	Time Spent per TRIP			(Php / bd.ft - km)	
	(min)	(min)	(bd.ft)			(hrs)	(hrs)	(hrs)	(hrs)	(hrs)				
Lumber / Form Lumber	0.50	0.50	32.05	280.00	0.10	0.01	0.05	0.03	0.01	0.10	84.00	2,692.31	PHP	1.04
	0.50	0.50	32.05	280.00	0.20	0.01	0.10	0.06	0.01	0.17	46.03	1,475.24	PHP	0.95
	0.50	0.50	32.05	280.00	0.30	0.01	0.15	0.09	0.01	0.25	31.70	1,015.97	PHP	0.92
	0.50	0.50	32.05	280.00	0.40	0.01	0.20	0.11	0.01	0.33	24.17	774.76	PHP	0.90
	0.50	0.50	32.05	280.00	0.50	0.01	0.25	0.14	0.01	0.41	19.53	626.12	PHP	0.89
	0.50	0.50	32.05	280.00	0.60	0.01	0.30	0.17	0.01	0.49	16.39	525.33	PHP	0.89
	0.50	0.50	32.05	280.00	0.70	0.01	0.35	0.20	0.01	0.57	14.12	452.49	PHP	0.88
	0.50	0.50	32.05	280.00	0.80	0.01	0.40	0.23	0.01	0.65	12.40	397.39	PHP	0.88
	0.50	0.50	32.05	280.00	0.90	0.01	0.45	0.26	0.01	0.72	11.05	354.25	PHP	0.88
	0.50	0.50	32.05	280.00	1.00	0.01	0.50	0.29	0.01	0.80	9.97	319.56	PHP	0.88
	0.50	0.50	32.05	280.00	1.10	0.01	0.55	0.31	0.01	0.88	9.08	291.06	PHP	0.87
	0.50	0.50	32.05	280.00	1.20	0.01	0.60	0.34	0.01	0.96	8.34	267.23	PHP	0.87
	0.50	0.50	32.05	280.00	1.30	0.01	0.65	0.37	0.01	1.04	7.71	247.00	PHP	0.87
	0.50	0.50	32.05	280.00	1.40	0.01	0.70	0.40	0.01	1.12	7.16	229.62	PHP	0.87
	0.50	0.50	32.05	280.00	1.50	0.01	0.75	0.43	0.01	1.20	6.69	214.53	PHP	0.87
	0.50	0.50	32.05	280.00	1.60	0.01	0.80	0.46	0.01	1.27	6.28	201.29	PHP	0.87
	0.50	0.50	32.05	280.00	1.70	0.01	0.85	0.49	0.01	1.35	5.92	189.60	PHP	0.87
	0.50	0.50	32.05	280.00	1.80	0.01	0.90	0.51	0.01	1.43	5.59	179.19	PHP	0.87
	0.50	0.50	32.05	280.00	1.90	0.01	0.95	0.54	0.01	1.51	5.30	169.86	PHP	0.87
	0.50	0.50	32.05	280.00	2.00	0.01	1.00	0.57	0.01	1.59	5.04	161.46	PHP	0.87
	0.50	0.50	32.05	280.00	2.10	0.01	1.05	0.60	0.01	1.67	4.80	153.85	PHP	0.87
	0.50	0.50	32.05	280.00	2.20	0.01	1.10	0.63	0.01	1.75	4.58	146.92	PHP	0.87
	0.50	0.50	32.05	280.00	2.30	0.01	1.15	0.66	0.01	1.82	4.39	140.59	PHP	0.87
	0.50	0.50	32.05	280.00	2.40	0.01	1.20	0.69	0.01	1.90	4.21	134.78	PHP	0.87
	0.50	0.50	32.05	280.00	2.50	0.01	1.25	0.71	0.01	1.98	4.04	129.44	PHP	0.87
	0.50	0.50	32.05	280.00	2.60	0.01	1.30	0.74	0.01	2.06	3.88	124.50	PHP	0.87
	0.50	0.50	32.05	280.00	2.70	0.01	1.35	0.77	0.01	2.14	3.74	119.92	PHP	0.86
	0.50	0.50	32.05	280.00	2.80	0.01	1.40	0.80	0.01	2.22	3.61	115.67	PHP	0.86
	0.50	0.50	32.05	280.00	2.90	0.01	1.45	0.83	0.01	2.30	3.49	111.71	PHP	0.86
	0.50	0.50	32.05	280.00	3.00	0.01	1.50	0.86	0.01	2.37	3.37	108.02	PHP	0.86
	0.50	0.50	32.05	280.00	3.10	0.01	1.55	0.89	0.01	2.45	3.26	104.56	PHP	0.86
	0.50	0.50	32.05	280.00	3.20	0.01	1.60	0.91	0.01	2.53	3.16	101.31	PHP	0.86
	0.50	0.50	32.05	280.00	3.30	0.01	1.65	0.94	0.01	2.61	3.07	98.26	PHP	0.86
	0.50	0.50	32.05	280.00	3.40	0.01	1.70	0.97	0.01	2.69	2.98	95.39	PHP	0.86
	0.50	0.50	32.05	280.00	3.50	0.01	1.75	1.00	0.01	2.77	2.89	92.68	PHP	0.86
	0.50	0.50	32.05	280.00	3.60	0.01	1.80	1.03	0.01	2.85	2.81	90.12	PHP	0.86
	0.50	0.50	32.05	280.00	3.70	0.01	1.85	1.06	0.01	2.92	2.74	87.70	PHP	0.86
	0.50	0.50	32.05	280.00	3.80	0.01	1.90	1.09	0.01	3.00	2.66	85.40	PHP	0.86
	0.50	0.50	32.05	280.00	3.90	0.01	1.95	1.11	0.01	3.08	2.60	83.22	PHP	0.86
	0.50	0.50	32.05	280.00	4.00	0.01	2.00	1.14	0.01	3.16	2.53	81.15	PHP	0.86
	0.50	0.50	32.05	280.00	4.10	0.01	2.05	1.17	0.01	3.24	2.47	79.19	PHP	0.86
	0.50	0.50	32.05	280.00	4.20	0.01	2.10	1.20	0.01	3.32	2.41	77.31	PHP	0.86
	0.50	0.50	32.05	280.00	4.30	0.01	2.15	1.23	0.01	3.40	2.36	75.52	PHP	0.86
	0.50	0.50	32.05	280.00	4.40	0.01	2.20	1.26	0.01	3.47	2.30	73.81	PHP	0.86
	0.50	0.50	32.05	280.00	4.50	0.01	2.25	1.29	0.01	3.55	2.25	72.18	PHP	0.86
	0.50	0.50	32.05	280.00	4.60	0.01	2.30	1.31	0.01	3.63	2.20	70.62	PHP	0.86
	0.50	0.50	32.05	280.00	4.70	0.01	2.35	1.34	0.01	3.71	2.16	69.12	PHP	0.86
	0.50	0.50	32.05	280.00	4.80	0.01	2.40	1.37	0.01	3.79	2.11	67.69	PHP	0.86
	0.50	0.50	32.05	280.00	4.90	0.01	2.45	1.40	0.01	3.87	2.07	66.31	PHP	0.86
	0.50	0.50	32.05	280.00	5.00	0.01	2.50	1.43	0.01	3.95	2.03	64.99	PHP	0.86
	0.50	0.50	32.05	280.00	5.10	0.01	2.55	1.46	0.01	4.02	1.99	63.72	PHP	0.86
	0.50	0.50	32.05	280.00	5.20	0.01	2.60	1.49	0.01	4.10	1.95	62.50	PHP	0.86
	0.50	0.50	32.05	280.00	5.30	0.01	2.65	1.51	0.01	4.18	1.91	61.33	PHP	0.86
	0.50	0.50	32.05	280.00	5.40	0.01	2.70	1.54	0.01	4.26	1.88	60.20	PHP	0.86
	0.50	0.50	32.05	280.00	5.50	0.01	2.75	1.57	0.01	4.34	1.84	59.11	PHP	0.86
	0.50	0.50	32.05	280.00	5.60	0.01	2.80	1.60	0.01	4.42	1.81	58.06	PHP	0.86
	0.50	0.50	32.05	280.00	5.70	0.01	2.85	1.63	0.01	4.50	1.78	57.04	PHP	0.86

0.50	0.50	32.05	280.00	5.80	0.01	2.90	1.66	0.01	4.57	1.75	56.06	PHP	0.86
0.50	0.50	32.05	280.00	5.90	0.01	2.95	1.69	0.01	4.65	1.72	55.11	PHP	0.86
0.50	0.50	32.05	280.00	6.00	0.01	3.00	1.71	0.01	4.73	1.69	54.20	PHP	0.86
0.50	0.50	32.05	280.00	6.10	0.01	3.05	1.74	0.01	4.81	1.66	53.31	PHP	0.86
0.50	0.50	32.05	280.00	6.20	0.01	3.10	1.77	0.01	4.89	1.64	52.46	PHP	0.86
0.50	0.50	32.05	280.00	6.30	0.01	3.15	1.80	0.01	4.97	1.61	51.63	PHP	0.86
0.50	0.50	32.05	280.00	6.40	0.01	3.20	1.83	0.01	5.05	1.59	50.82	PHP	0.86
0.50	0.50	32.05	280.00	6.50	0.01	3.25	1.86	0.01	5.12	1.56	50.04	PHP	0.86
0.50	0.50	32.05	280.00	6.60	0.01	3.30	1.89	0.01	5.20	1.54	49.29	PHP	0.86
0.50	0.50	32.05	280.00	6.70	0.01	3.35	1.91	0.01	5.28	1.51	48.55	PHP	0.86
0.50	0.50	32.05	280.00	6.80	0.01	3.40	1.94	0.01	5.36	1.49	47.84	PHP	0.86
0.50	0.50	32.05	280.00	6.90	0.01	3.45	1.97	0.01	5.44	1.47	47.15	PHP	0.86
0.50	0.50	32.05	280.00	7.00	0.01	3.50	2.00	0.01	5.52	1.45	46.48	PHP	0.86
0.50	0.50	32.05	280.00	7.10	0.01	3.55	2.03	0.01	5.60	1.43	45.83	PHP	0.86
0.50	0.50	32.05	280.00	7.20	0.01	3.60	2.06	0.01	5.67	1.41	45.19	PHP	0.86
0.50	0.50	32.05	280.00	7.30	0.01	3.65	2.09	0.01	5.75	1.39	44.57	PHP	0.86
0.50	0.50	32.05	280.00	7.40	0.01	3.70	2.11	0.01	5.83	1.37	43.97	PHP	0.86
0.50	0.50	32.05	280.00	7.50	0.01	3.75	2.14	0.01	5.91	1.35	43.39	PHP	0.86
0.50	0.50	32.05	280.00	7.60	0.01	3.80	2.17	0.01	5.99	1.34	42.82	PHP	0.86
0.50	0.50	32.05	280.00	7.70	0.01	3.85	2.20	0.01	6.07	1.32	42.27	PHP	0.86
0.50	0.50	32.05	280.00	7.80	0.01	3.90	2.23	0.01	6.15	1.30	41.73	PHP	0.86
0.50	0.50	32.05	280.00	7.90	0.01	3.95	2.26	0.01	6.22	1.29	41.20	PHP	0.86
0.50	0.50	32.05	280.00	8.00	0.01	4.00	2.29	0.01	6.30	1.27	40.68	PHP	0.86
0.50	0.50	32.05	280.00	8.10	0.01	4.05	2.31	0.01	6.38	1.25	40.18	PHP	0.86
0.50	0.50	32.05	280.00	8.20	0.01	4.10	2.34	0.01	6.46	1.24	39.69	PHP	0.86
0.50	0.50	32.05	280.00	8.30	0.01	4.15	2.37	0.01	6.54	1.22	39.22	PHP	0.86
0.50	0.50	32.05	280.00	8.40	0.01	4.20	2.40	0.01	6.62	1.21	38.75	PHP	0.86
0.50	0.50	32.05	280.00	8.50	0.01	4.25	2.43	0.01	6.70	1.19	38.30	PHP	0.86
0.50	0.50	32.05	280.00	8.60	0.01	4.30	2.46	0.01	6.77	1.18	37.85	PHP	0.86
0.50	0.50	32.05	280.00	8.70	0.01	4.35	2.49	0.01	6.85	1.17	37.42	PHP	0.86
0.50	0.50	32.05	280.00	8.80	0.01	4.40	2.51	0.01	6.93	1.15	36.99	PHP	0.86
0.50	0.50	32.05	280.00	8.90	0.01	4.45	2.54	0.01	7.01	1.14	36.58	PHP	0.86
0.50	0.50	32.05	280.00	9.00	0.01	4.50	2.57	0.01	7.09	1.13	36.17	PHP	0.86
0.50	0.50	32.05	280.00	9.10	0.01	4.55	2.60	0.01	7.17	1.12	35.78	PHP	0.86
0.50	0.50	32.05	280.00	9.20	0.01	4.60	2.63	0.01	7.25	1.10	35.39	PHP	0.86
0.50	0.50	32.05	280.00	9.30	0.01	4.65	2.66	0.01	7.32	1.09	35.01	PHP	0.86
0.50	0.50	32.05	280.00	9.40	0.01	4.70	2.69	0.01	7.40	1.08	34.64	PHP	0.86
0.50	0.50	32.05	280.00	9.50	0.01	4.75	2.71	0.01	7.48	1.07	34.28	PHP	0.86
0.50	0.50	32.05	280.00	9.60	0.01	4.80	2.74	0.01	7.56	1.06	33.92	PHP	0.86
0.50	0.50	32.05	280.00	9.70	0.01	4.85	2.77	0.01	7.64	1.05	33.57	PHP	0.86
0.50	0.50	32.05	280.00	9.80	0.01	4.90	2.80	0.01	7.72	1.04	33.23	PHP	0.86
0.50	0.50	32.05	280.00	9.90	0.01	4.95	2.83	0.01	7.80	1.03	32.89	PHP	0.86
0.50	0.50	32.05	280.00	10.00	0.01	5.00	2.86	0.01	7.87	1.02	32.56	PHP	0.86
0.50	0.50	32.05	280.00	10.10	0.01	5.05	2.89	0.01	7.95	1.01	32.24	PHP	0.86
0.50	0.50	32.05	280.00	10.20	0.01	5.10	2.91	0.01	8.03	1.00	31.93	PHP	0.86
0.50	0.50	32.05	280.00	10.30	0.01	5.15	2.94	0.01	8.11	0.99	31.62	PHP	0.86
0.50	0.50	32.05	280.00	10.40	0.01	5.20	2.97	0.01	8.19	0.98	31.32	PHP	0.86
0.50	0.50	32.05	280.00	10.50	0.01	5.25	3.00	0.01	8.27	0.97	31.02	PHP	0.86
0.50	0.50	32.05	280.00	10.60	0.01	5.30	3.03	0.01	8.35	0.96	30.73	PHP	0.86
0.50	0.50	32.05	280.00	10.70	0.01	5.35	3.06	0.01	8.42	0.95	30.44	PHP	0.86
0.50	0.50	32.05	280.00	10.80	0.01	5.40	3.09	0.01	8.50	0.94	30.16	PHP	0.86
0.50	0.50	32.05	280.00	10.90	0.01	5.45	3.11	0.01	8.58	0.93	29.88	PHP	0.86
0.50	0.50	32.05	280.00	11.00	0.01	5.50	3.14	0.01	8.66	0.92	29.61	PHP	0.86
0.50	0.50	32.05	280.00	11.10	0.01	5.55	3.17	0.01	8.74	0.92	29.34	PHP	0.86
0.50	0.50	32.05	280.00	11.20	0.01	5.60	3.20	0.01	8.82	0.91	29.08	PHP	0.86
0.50	0.50	32.05	280.00	11.30	0.01	5.65	3.23	0.01	8.90	0.90	28.83	PHP	0.86
0.50	0.50	32.05	280.00	11.40	0.01	5.70	3.26	0.01	8.97	0.89	28.57	PHP	0.86
0.50	0.50	32.05	280.00	11.50	0.01	5.75	3.29	0.01	9.05	0.88	28.33	PHP	0.86
0.50	0.50	32.05	280.00	11.60	0.01	5.80	3.31	0.01	9.13	0.88	28.08	PHP	0.86
0.50	0.50	32.05	280.00	11.70	0.01	5.85	3.34	0.01	9.21	0.87	27.84	PHP	0.86
0.50	0.50	32.05	280.00	11.80	0.01	5.90	3.37	0.01	9.29	0.86	27.61	PHP	0.86
0.50	0.50	32.05	280.00	11.90	0.01	5.95	3.40	0.01	9.37	0.85	27.37	PHP	0.86
0.50	0.50	32.05	280.00	12.00	0.01	6.00	3.43	0.01	9.45	0.85	27.15	PHP	0.86
0.50	0.50	32.05	280.00	12.10	0.01	6.05	3.46	0.01	9.52	0.84	26.92	PHP	0.86
0.50	0.50	32.05	280.00	12.20	0.01	6.10	3.49	0.01	9.60	0.83	26.70	PHP	0.86
0.50	0.50	32.05	280.00	12.30	0.01	6.15	3.51	0.01	9.68	0.83	26.49	PHP	0.86
0.50	0.50	32.05	280.00	12.40	0.01	6.20	3.54	0.01	9.76	0.82	26.27	PHP	0.86
0.50	0.50	32.05	280.00	12.50	0.01	6.25	3.57	0.01	9.84	0.81	26.06	PHP	0.86
0.50	0.50	32.05	280.00	12.60	0.01	6.30	3.60	0.01	9.92	0.81	25.86	PHP	0.86
0.50	0.50	32.05	280.00	12.70	0.01	6.35	3.63	0.01	10.00	0.80	25.65	PHP	0.86
0.50	0.50	32.05	280.00	12.80	0.01	6.40	3.66	0.01	10.07	0.79	25.45	PHP	0.86