

7. Summary of Basic Costs

Currency Exchange Rate : 1 US\$ = 52.28 PP = 120.12 yen

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
	1. Labor Cost								cost index	
L002	Foreman	md	100.0%	0.0%	0.0%	0.0%	100.0%	576.00	1.80	
L003	Operator	md	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	1.34	
L004	Driver	md	100.0%	0.0%	0.0%	0.0%	100.0%	375.00	1.17	
L005	Carpenter	md	100.0%	0.0%	0.0%	0.0%	100.0%	451.00	1.41	
L006	Re-Bar Worker	md	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	1.28	
L007	Masonry	md	100.0%	0.0%	0.0%	0.0%	100.0%	471.00	1.47	
L008	Blaster	md	100.0%	0.0%	0.0%	0.0%	100.0%	531.00	1.66	
L009	Welder	md	100.0%	0.0%	0.0%	0.0%	100.0%	509.00	1.59	
L010	Painter	md	100.0%	0.0%	0.0%	0.0%	100.0%	448.00	1.40	
L011	Mechanic	md	100.0%	0.0%	0.0%	0.0%	100.0%	451.00	1.41	
L012	Electrician	md	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	1.34	
L019	Skilled Labor	md	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	1.28	
L020	Unskilled Labor	md	100.0%	0.0%	0.0%	0.0%	100.0%	320.00	1.00	
	2. Material Cost									
	2.01 Fuel									
M01005	Diesel Oil	ltr	0.0%	100.0%	0.0%	65.0%	35.0%	12.10		
M01006	Gasoline	ltr	0.0%	100.0%	0.0%	65.0%	35.0%	14.20		
M01007	Heavy Oil	ltr	0.0%	100.0%	0.0%	65.0%	35.0%	9.77		
M01008	Lubricant	ltr	0.0%	100.0%	0.0%	65.0%	35.0%	43.10		
M01009	Electric Supply	kWh	0.0%	100.0%	0.0%	50.0%	50.0%	4.00		
M01010	Water Supply	m3	0.0%	100.0%	0.0%	10.0%	90.0%	66.20		
M01015	Telecommunication Fare	min	0.0%	100.0%	0.0%	45.0%	55.0%	1.00		
M01020	Propane Gas	kg	0.0%	100.0%	0.0%	50.0%	50.0%	32.60		
	2.02 Steel									
M02001	Reinforcing Bars, Grade 40	kg	0.0%	100.0%	0.0%	65.0%	35.0%	16.00		
M02002	Reinforcing Bars, Grade 60	kg	0.0%	100.0%	0.0%	65.0%	35.0%	17.00		
M02011	Structural Steel (Round Bar, SS400)	kg	0.0%	100.0%	0.0%	70.0%	30.0%	21.80		
M02012	Structural Steel (Flat Bar, SS400)	kg	0.0%	100.0%	0.0%	70.0%	30.0%	22.70		
M02013	Structural Steel (H-Shape, SS400)	kg	0.0%	100.0%	0.0%	70.0%	30.0%	17.60		
M02014	Structural Steel (Shapes, SS400)	kg	0.0%	100.0%	0.0%	70.0%	30.0%	17.60		
M02015	Structural Steel (Plates, SS400)	kg	0.0%	100.0%	0.0%	70.0%	30.0%	20.20		
M02016	Structural Steel (Plates SMA400W)	kg	0.0%	100.0%	0.0%	75.0%	25.0%	39.00		
M02017	Structural Steel (Plates SMA490W)	kg	0.0%	100.0%	0.0%	75.0%	25.0%	45.00		
M02018	Structural Steel (Plates SMA570W)	kg	0.0%	100.0%	0.0%	75.0%	25.0%	62.50		
M02031	Steel Pipe	kg	0.0%	100.0%	0.0%	70.0%	30.0%	23.90		
M02041	Steel Sheet Pile	kg	0.0%	100.0%	0.0%	70.0%	30.0%	32.10		
M02061	Chain Link Wire Net	m2	0.0%	100.0%	0.0%	70.0%	30.0%	168.00		
M02062	Barbed Wire	m	0.0%	100.0%	0.0%	35.0%	65.0%	2.50		
M02071	High Tension Bolt M16	each	0.0%	100.0%	0.0%	70.0%	30.0%	18.50		
M02072	High Tension Bolt M20	each	0.0%	100.0%	0.0%	70.0%	30.0%	29.20		
M02073	High Tension Bolt M22	each	0.0%	100.0%	0.0%	70.0%	30.0%	42.20		
M02074	High Tension Bolt M24	each	0.0%	100.0%	0.0%	70.0%	30.0%	62.70		
M02301	Bolt M12x40	each	0.0%	100.0%	0.0%	70.0%	30.0%	4.18		
M02351	Bolt M16x50	each	0.0%	100.0%	0.0%	70.0%	30.0%	7.83		
M02359	Bolt M16x150	each	0.0%	100.0%	0.0%	70.0%	30.0%	18.70		
M02410	Bolt M20x140	each	0.0%	100.0%	0.0%	70.0%	30.0%	28.20		
M02501	Brass Plate	kg	0.0%	100.0%	0.0%	70.0%	30.0%	228.00		
M02511	Stainless Plate	kg	0.0%	100.0%	0.0%	70.0%	30.0%	135.00		
	2.03 Aggregate, Concrete									
M03001	Quarry Royalty (Borrow Soil)	m3	0.0%	100.0%	0.0%	0.0%	100.0%	15.00		
M03002	Quarry Royalty (Sand, Pebbles))	m3	0.0%	100.0%	0.0%	0.0%	100.0%	15.00		
M03003	Quarry Royalty (Aggregate)	m3	0.0%	100.0%	0.0%	0.0%	100.0%	15.00		
M03004	Quarry Royalty (Gravel/Stone)	m3	0.0%	100.0%	0.0%	0.0%	100.0%	15.00		
M03011	Portland Cement, ordinary	t	0.0%	100.0%	0.0%	60.0%	40.0%	3,375.00		
M03401	Admixture	kg	0.0%	100.0%	0.0%	70.0%	30.0%	118.00		
M03402	Non-shrink Admixture	kg	0.0%	100.0%	0.0%	70.0%	30.0%	392.00		
	2.04 Wood									
M04001	Lumber	m3	0.0%	100.0%	0.0%	10.0%	90.0%	14,800.00		
M04011	Plywood, 6x1200x2400	m2	0.0%	100.0%	0.0%	10.0%	90.0%	80.00		
	2.05 Temporary Material									
M05001	Formwork Lumber, use 4 times	m3	0.0%	100.0%	0.0%	5.0%	95.0%	3,700.00		
M05002	Formwork, Plywood 6x1200x2400, use 3 times	m2	0.0%	100.0%	0.0%	5.0%	95.0%	27.00		
M05031	Temporary Sheet Pile Depreciation	t·d	0.0%	100.0%	0.0%	50.0%	50.0%	33.30		
M05041	Temporary Steel Shapes Depreciation	t·d	0.0%	100.0%	0.0%	50.0%	50.0%	31.30		
M05051	Temporary Deck Plate Depreciation	m2·d	0.0%	100.0%	0.0%	50.0%	50.0%	11.10		
M05055	Temporary Pine Railing Depreciation	m·d	0.0%	100.0%	0.0%	50.0%	50.0%	1.33		
M05061	Temporary Frame Support (Portal 914x1700)	day	0.0%	100.0%	0.0%	50.0%	50.0%	1.53		
M05062	Temporary Frame Support (Portal 1219x1700)	day	0.0%	100.0%	0.0%	50.0%	50.0%	1.65		
M05063	Temporary Frame Support (Portal 1219x1829)	day	0.0%	100.0%	0.0%	50.0%	50.0%	2.31		
M05064	Temporary Frame Support (bracing 914 x 1219)	day	0.0%	100.0%	0.0%	50.0%	50.0%	0.59		
M05065	Temporary Frame Support (bracing 1219 x 1219)	day	0.0%	100.0%	0.0%	50.0%	50.0%	0.59		

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
M05066	Temporary Frame Support (bracing 1829 x 1219)	day	0.0%	100.0%	0.0%	50.0%	50.0%	0.59		
2.06 Paint & Adhesive										
M06001	Etching Primer for Steel	kg	0.0%	100.0%	0.0%	65.0%	35.0%	274.00		
M06003	Zinc Rich Primer for Steel	kg	0.0%	100.0%	0.0%	65.0%	35.0%	374.00		
M06011	Rustproof Lead Paint for Steel	kg	0.0%	100.0%	0.0%	65.0%	35.0%	209.00		
M06020	Silicon Alkyd Resin Paint for Steel	kg	0.0%	100.0%	0.0%	65.0%	35.0%	250.00		
M06021	Phenol Resin Paint for Steel	kg	0.0%	100.0%	0.0%	65.0%	35.0%	272.00		
M06022	Epoxy Resin Paint for Steel	kg	0.0%	100.0%	0.0%	65.0%	35.0%	496.00		
M06031	Emulsion Paint	kg	0.0%	100.0%	0.0%	65.0%	35.0%	79.30		
M06032	Polyvinyl Enamel Paint	kg	0.0%	100.0%	0.0%	65.0%	35.0%	79.30		
M06041	Road marking paint (White, solution type with glass beads 15~18%)	kg	0.0%	100.0%	0.0%	65.0%	35.0%	62.70		
M06042	Road marking paint (Yellow, solution type with glass beads 15~18%)	kg	0.0%	100.0%	0.0%	65.0%	35.0%	64.60		
2.07 Road Material										
M07011	Prime Coat	t	0.0%	100.0%	0.0%	65.0%	35.0%	22,635.00		
M07012	Tack Coat	t	0.0%	100.0%	0.0%	65.0%	35.0%	22,635.00		
M07021	Asphalt Mixture	t	0.0%	100.0%	0.0%	65.0%	35.0%	2,500.00		
M07051	Rubberized Asphalt Agent	kg	0.0%	100.0%	0.0%	65.0%	35.0%	24.40		
M07052	Rubberized Asphalt	kg	0.0%	100.0%	0.0%	65.0%	35.0%	18.70		
M07101	Joint Filler (bituminous t=10mm)	m2	0.0%	100.0%	0.0%	60.0%	40.0%	286.00		
M07102	Joint Filler (bituminous t=12mm)	m2	0.0%	100.0%	0.0%	60.0%	40.0%	343.00		
M07103	Joint Filler (bituminous t=18mm)	m2	0.0%	100.0%	0.0%	60.0%	40.0%	514.00		
M07104	Joint Filler (bituminous t=20mm)	m2	0.0%	100.0%	0.0%	60.0%	40.0%	571.00		
M07107	Joint Filler (rubber foam t=20mm)	m2	0.0%	100.0%	0.0%	60.0%	40.0%	1,500.00		
M07111	Joint Sealant (10x10mm)	m	0.0%	100.0%	0.0%	60.0%	40.0%	62.70		
M07112	Joint Sealant (12x12mm)	m	0.0%	100.0%	0.0%	60.0%	40.0%	75.20		
M07113	Joint Sealant (18x18mm)	m	0.0%	100.0%	0.0%	60.0%	40.0%	103.00		
M07114	Joint Sealant (20x20mm)	m	0.0%	100.0%	0.0%	60.0%	40.0%	115.00		
M07117	Joint Sealant (liquid type)	kg	0.0%	100.0%	0.0%	60.0%	40.0%	96.20		
M07201	Traffic Sign Board (aluminum)	m2	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00		
M07271	Pedestrian Signal Lights (2 lamps)	set	0.0%	100.0%	0.0%	55.0%	45.0%	47,400.00		
M07272	Traffic Signal Lights (3 lamps)	set	0.0%	100.0%	0.0%	55.0%	45.0%	99,900.00		
M07273	Traffic Signal Lights (6 lamps)	set	0.0%	100.0%	0.0%	55.0%	45.0%	186,000.00		
M07401	Reflectorized Pavement Stud (one side reflective)	each	0.0%	100.0%	0.0%	60.0%	40.0%	717.00		
M07402	Reflectorized Pavement Stud (two sides reflective)	each	0.0%	100.0%	0.0%	60.0%	40.0%	776.00		
M07405	Chatter Bar	each	0.0%	100.0%	0.0%	60.0%	40.0%	1,740.00		
M07501	Delineator, Type A (ground standing type)	each	0.0%	100.0%	0.0%	60.0%	40.0%	1,450.00		
M07502	Delineator, Type B (on concrete)	each	0.0%	100.0%	0.0%	60.0%	40.0%	1,360.00		
M07503	Delineator, Type C (on guardrail)	each	0.0%	100.0%	0.0%	60.0%	40.0%	564.00		
M07601	Road Curve Mirror ϕ 600	each	0.0%	100.0%	0.0%	60.0%	40.0%	11,000.00		
M07701	Removable Traffic Barrier	each	0.0%	100.0%	0.0%	50.0%	50.0%	627.00		
2.08 Water Supply & Drainage Material										
M08301	PVC Pipe, ϕ 40	m	0.0%	100.0%	0.0%	50.0%	50.0%	46.70		
M08302	PVC Pipe, ϕ 50	m	0.0%	100.0%	0.0%	50.0%	50.0%	66.70		
M08303	PVC Pipe, ϕ 65	m	0.0%	100.0%	0.0%	50.0%	50.0%	93.00		
M08304	PVC Pipe, ϕ 75	m	0.0%	100.0%	0.0%	50.0%	50.0%	183.00		
M08310	PVC Pipe, ϕ 100	m	0.0%	100.0%	0.0%	50.0%	50.0%	200.00		
M08315	PVC Pipe, ϕ 150	m	0.0%	100.0%	0.0%	50.0%	50.0%	432.00		
M08320	PVC Pipe, ϕ 200	m	0.0%	100.0%	0.0%	50.0%	50.0%	713.00		
M08700	Steel Gas Pipe, ϕ 20	m	0.0%	100.0%	0.0%	60.0%	40.0%	76.70		
M08701	Steel Gas Pipe, ϕ 25	m	0.0%	100.0%	0.0%	60.0%	40.0%	117.00		
M08702	Steel Gas Pipe, ϕ 32	m	0.0%	100.0%	0.0%	60.0%	40.0%	142.00		
M08703	Steel Gas Pipe, ϕ 40	m	0.0%	100.0%	0.0%	60.0%	40.0%	167.00		
M08704	Steel Gas Pipe, ϕ 50	m	0.0%	100.0%	0.0%	60.0%	40.0%	217.00		
M08705	Steel Gas Pipe, ϕ 65	m	0.0%	100.0%	0.0%	60.0%	40.0%	251.00		
M08706	Steel Gas Pipe, ϕ 80	m	0.0%	100.0%	0.0%	60.0%	40.0%	294.00		
M08707	Steel Gas Pipe, ϕ 100	m	0.0%	100.0%	0.0%	60.0%	40.0%	410.00		
M08708	Steel Gas Pipe, ϕ 125	m	0.0%	100.0%	0.0%	60.0%	40.0%	503.00		
M08709	Steel Gas Pipe, ϕ 150	m	0.0%	100.0%	0.0%	60.0%	40.0%	707.00		
M08710	Steel Gas Pipe, ϕ 200	m	0.0%	100.0%	0.0%	60.0%	40.0%	1,080.00		
2.09 Bridge, River, Marine Material										
M09001	Laminated Elastomeric Bearing Pad (400x300x50mm)	each	0.0%	100.0%	0.0%	65.0%	35.0%	11,000.00		
M09002	Laminated Elastomeric Bearing Pad (600x300x50mm)	each	0.0%	100.0%	0.0%	65.0%	35.0%	15,800.00		
M09003	Laminated Elastomeric Bearing Pad (600x350x50mm)	each	0.0%	100.0%	0.0%	65.0%	35.0%	18,400.00		
M09004	Laminated Elastomeric Bearing Pad (600x700x89mm)	each	0.0%	100.0%	0.0%	65.0%	35.0%	66,600.00		
M09005	Laminated Elastomeric Bearing Pad (600x400x50mm)	each	0.0%	100.0%	0.0%	65.0%	35.0%	25,300.00		
M09006	Laminated Elastomeric Bearing Pad (450x300x60mm)	each	0.0%	100.0%	0.0%	65.0%	35.0%	14,200.00		
M09007	Laminated Elastomeric Bearing Pad (550x300x50mm)	each	0.0%	100.0%	0.0%	65.0%	35.0%	14,500.00		
M09008	Laminated Elastomeric Bearing Pad (500x400x60mm)	each	0.0%	100.0%	0.0%	65.0%	35.0%	21,100.00		
M09011	Elastomeric Pad (t=25mm)	m2	0.0%	100.0%	0.0%	65.0%	35.0%	12,800.00		

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			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
M09012	Elastomeric Pad (t=40mm)	m2	0.0%	100.0%	0.0%	65.0%	35.0%	20,500.00		
M09013	Elastomeric Pad (t=50mm)	m2	0.0%	100.0%	0.0%	65.0%	35.0%	25,700.00		
M09104	Bearing Shoe (rubber enclosed type), 250t	each	0.0%	100.0%	0.0%	70.0%	30.0%	291,000.00		
M09106	Bearing Shoe (rubber enclosed type), 650t	each	0.0%	100.0%	0.0%	70.0%	30.0%	764,000.00		
M09108	Bearing Shoe (rubber enclosed type), 650t	each	0.0%	100.0%	0.0%	70.0%	30.0%	764,000.00		
M09197	Expansion Joint, Multiflex 35	m	0.0%	100.0%	0.0%	65.0%	35.0%	21,700.00		
M09198	Expansion Joint, Multiflex 50	m	0.0%	100.0%	0.0%	65.0%	35.0%	39,200.00		
M09199	Expansion Joint, Multiflex 70	m	0.0%	100.0%	0.0%	65.0%	35.0%	56,400.00		
M09200	Expansion Joint, Multiflex 80	m	0.0%	100.0%	0.0%	65.0%	35.0%	64,600.00		
M09201	Expansion Joint, Multiflex 100	m	0.0%	100.0%	0.0%	65.0%	35.0%	74,400.00		
M09202	Expansion Joint, Multiflex 140	m	0.0%	100.0%	0.0%	65.0%	35.0%	93,800.00		
M09203	Expansion Joint, Multiflex 160	m	0.0%	100.0%	0.0%	65.0%	35.0%	107,000.00		
M09204	Expansion Joint, Multiflex 200	m	0.0%	100.0%	0.0%	65.0%	35.0%	122,000.00		
M09205	Expansion Joint, Multiflex 230	m	0.0%	100.0%	0.0%	65.0%	35.0%	141,000.00		
M09206	Expansion Joint, Multiflex 330	m	0.0%	100.0%	0.0%	65.0%	35.0%	250,000.00		
M09305	PC Strand, T12.4	kg	0.0%	100.0%	0.0%	70.0%	30.0%	110.00		
M09306	PC Strand, T12.7	kg	0.0%	100.0%	0.0%	70.0%	30.0%	113.00		
M09307	PC Strand, T15.2	kg	0.0%	100.0%	0.0%	70.0%	30.0%	119.00		
M09313	PC Tendon, ϕ 32	kg	0.0%	100.0%	0.0%	70.0%	30.0%	136.00		
M09322	PC Sheath, ϕ 28	m	0.0%	100.0%	0.0%	65.0%	35.0%	52.20		
M09331	PC Sheath, ϕ 60	m	0.0%	100.0%	0.0%	65.0%	35.0%	115.00		
M09332	PC Sheath, ϕ 65	m	0.0%	100.0%	0.0%	65.0%	35.0%	123.00		
M09333	PC Sheath, ϕ 70	m	0.0%	100.0%	0.0%	65.0%	35.0%	134.00		
M09334	PC Sheath, ϕ 75	m	0.0%	100.0%	0.0%	65.0%	35.0%	150.00		
M09344	PC Anchorage, 110, 130t 7T13M (T)	set	0.0%	100.0%	0.0%	75.0%	25.0%	5,030.00		
M09345	PC Anchorage, 130, 150t 8T13M (T)	set	0.0%	100.0%	0.0%	75.0%	25.0%	5,790.00		
M09346	PC Anchorage 195, 225t 12T13M (T)	set	0.0%	100.0%	0.0%	75.0%	25.0%	8,040.00		
M09348	PC Anchorage 30t 1T15.2 (T)	set	0.0%	100.0%	0.0%	75.0%	25.0%	828.00		
M09354	PC Anchorage ϕ 32 (T)	set	0.0%	100.0%	0.0%	75.0%	25.0%	1,250.00		
M09364	PC Anchorage 110, 130t 7T13E (F)	set	0.0%	100.0%	0.0%	75.0%	25.0%	7,330.00		
M09365	PC Anchorage 130, 150t 8T13E (F)	set	0.0%	100.0%	0.0%	75.0%	25.0%	7,950.00		
M09366	PC Anchorage 195, 225t 12T13E (F)	set	0.0%	100.0%	0.0%	75.0%	25.0%	10,600.00		
M09368	PC Anchorage 30t 1T15.2 (F)	set	0.0%	100.0%	0.0%	75.0%	25.0%	1,070.00		
M09374	PC Anchorage ϕ 32 (F)	set	0.0%	100.0%	0.0%	75.0%	25.0%	1,520.00		
M09602	Gabion Cage 500x1000x2000	each	0.0%	100.0%	0.0%	30.0%	70.0%	710.00		
M09605	Gabion Mat Cage H=300mm	m2	0.0%	100.0%	0.0%	30.0%	70.0%	617.00		
2.10 Common Material										
M10201	Waterproofing sheet	m2	0.0%	100.0%	0.0%	60.0%	40.0%	460.00		
M10202	Filter Cloth	m2	0.0%	100.0%	0.0%	60.0%	40.0%	82.30		
M10211	Waterstop	m	0.0%	100.0%	0.0%	60.0%	40.0%	282.00		
M10301	Styrofoam	m3	0.0%	100.0%	0.0%	60.0%	40.0%	5,180.00		
2.11 Landscaping Material										
M11001	Tree H=0.5m	each	0.0%	100.0%	0.0%	7.0%	93.0%	110.00		
M11002	Tree H=1m	each	0.0%	100.0%	0.0%	7.0%	93.0%	215.00		
M11003	Tree H=1.5m	each	0.0%	100.0%	0.0%	7.0%	93.0%	503.00		
M11004	Tree H=2m	each	0.0%	100.0%	0.0%	7.0%	93.0%	838.00		
M11005	Tree H=2.5m	each	0.0%	100.0%	0.0%	7.0%	93.0%	1,270.00		
M11006	Tree H=3m	each	0.0%	100.0%	0.0%	7.0%	93.0%	2,630.00		
M11111	Sod	m2	0.0%	100.0%	0.0%	7.0%	93.0%	29.40		
2.12 Architectural Material										
M12001	Brick 2"x4"x8" (50x100x200mm)	each	0.0%	100.0%	0.0%	15.0%	85.0%	5.50		
M12011	Concrete Hollow Block (load bearing) 4"x8"x16" (100x200x400mm)	each	0.0%	100.0%	0.0%	25.0%	75.0%	10.00		
M12012	Concrete Hollow Block (load bearing) 6"x8"x16" (150x200x400mm)	each	0.0%	100.0%	0.0%	25.0%	75.0%	12.00		
M12013	Concrete Hollow Block (non load) 4"x8"x16" (100x200x400mm)	each	0.0%	100.0%	0.0%	25.0%	75.0%	6.50		
M12014	Concrete Hollow Block (non load) 6"x8"x16" (150x200x400mm)	each	0.0%	100.0%	0.0%	25.0%	75.0%	7.50		
M12051	Unglazed Tile 200x200mm	each	0.0%	100.0%	0.0%	40.0%	60.0%	21.20		
M12101	Chain Link Fence Fabric	m	0.0%	100.0%	0.0%	50.0%	50.0%	1,460.00		
M12111	Galvanized Iron Sheet, colored	m2	0.0%	100.0%	0.0%	60.0%	40.0%	118.00		
M12112	Corrugated Galvanized Iron Sheet, colored	m2	0.0%	100.0%	0.0%	60.0%	40.0%	122.00		
M12211	Insulation, Grasswool	m2	0.0%	100.0%	0.0%	55.0%	45.0%	57.00		
M12221	Gypsum Board Ceiling	m2	0.0%	100.0%	0.0%	55.0%	45.0%	137.00		
M12251	Steel Door with Steel Panels 900x2100mm	each	0.0%	100.0%	0.0%	45.0%	55.0%	5,530.00		
M12252	Flush Type Hollow Core Door with 6mm thick ordinary plywood 800x2100mm	each	0.0%	100.0%	0.0%	20.0%	80.0%	2,500.00		
M12253	Flush Type Hollow Core Door with 6mm thick marine plywood 600x2100mm	each	0.0%	100.0%	0.0%	20.0%	80.0%	1,870.00		
M12261	Jalousie Window with Steel Blades 2100x1500mm	each	0.0%	100.0%	0.0%	45.0%	55.0%	6,750.00		
M12262	Jalousie Window with Steel Blades 3900x1500mm	each	0.0%	100.0%	0.0%	45.0%	55.0%	12,500.00		
M12263	Jalousie Window with Steel Blades 1400x900	each	0.0%	100.0%	0.0%	45.0%	55.0%	2,640.00		
M12264	Jalousie Window with Steel Blades 820x250	each	0.0%	100.0%	0.0%	45.0%	55.0%	458.00		
M12271	Floor Drain	each	0.0%	100.0%	0.0%	45.0%	55.0%	266.00		
M12272	Urinal	each	0.0%	100.0%	0.0%	55.0%	45.0%	2,310.00		

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
M12273	Toilet Stool	each	0.0%	100.0%	0.0%	55.0%	45.0%	5,110.00		
M12274	Lavatory Wash Basin	each	0.0%	100.0%	0.0%	55.0%	45.0%	2,920.00		
M12275	Shower	each	0.0%	100.0%	0.0%	50.0%	50.0%	2,120.00		
M12276	Shower Drain	each	0.0%	100.0%	0.0%	45.0%	55.0%	343.00		
M12277	Clean Out	each	0.0%	100.0%	0.0%	45.0%	55.0%	319.00		
M12278	Sink (1 basin with table)	each	0.0%	100.0%	0.0%	45.0%	55.0%	6,230.00		
M12279	Kitchen Sink (1 basin + flat with table)	each	0.0%	100.0%	0.0%	45.0%	55.0%	9,010.00		
2.13 Electrical Material										
M13001	Street Lighting Fixture (110~400W)	each	0.0%	100.0%	0.0%	60.0%	40.0%	7,920.00		
M13011	Street Lighting Stabilizer	each	0.0%	100.0%	0.0%	65.0%	35.0%	2,600.00		
M13021	Street Lighting Lamp	each	0.0%	100.0%	0.0%	60.0%	40.0%	1,320.00		
M13051	Electric Cable	m	0.0%	100.0%	0.0%	55.0%	45.0%	62.30		
M13052	Electric Conduit	m	0.0%	100.0%	0.0%	45.0%	55.0%	67.90		
M13061	Lighting Panel for Street Lights	each	0.0%	100.0%	0.0%	55.0%	45.0%	20,300.00		
M13071	Electric Service Meter for Street Lighting	each	0.0%	100.0%	0.0%	65.0%	35.0%	3,800.00		
M13131	Ceiling Lamp, 40W 220V Fluorescent Lighting Fixtures, Box Type	each	0.0%	100.0%	0.0%	60.0%	40.0%	496.00		
M13141	Ceiling Lamp, SL-18 with Hexless Type, Medium Base Porcelain Receptacle	each	0.0%	100.0%	0.0%	60.0%	40.0%	172.00		
M13151	One-way Wall Switch	each	0.0%	100.0%	0.0%	55.0%	45.0%	30.50		
M13152	2 One-way Wall Switches on one Gang Plate	each	0.0%	100.0%	0.0%	55.0%	45.0%	80.50		
M13153	3 One-way Wall Switches on one Gang Plate	each	0.0%	100.0%	0.0%	55.0%	45.0%	103.00		
M13154	Duplex Convenience Outlet, Grounding Type	each	0.0%	100.0%	0.0%	55.0%	45.0%	80.50		
M13155	Heavy Duty Convenience Outlets, Single Grounding Type	each	0.0%	100.0%	0.0%	55.0%	45.0%	129.00		
M13156	Air Conditioning Outlet Grounding Type with Automatic Circuit Breaker in One Enclosure	each	0.0%	100.0%	0.0%	55.0%	45.0%	694.00		
M13157	Enclosed Automatic Circuit Breaker	each	0.0%	100.0%	0.0%	65.0%	35.0%	8,190.00		
M13158	Distribution Panel Board	each	0.0%	100.0%	0.0%	60.0%	40.0%	12,100.00		
M13159	Pull Box or Junction Box	each	0.0%	100.0%	0.0%	60.0%	40.0%	1,040.00		
M13160	Electric Service Meter	each	0.0%	100.0%	0.0%	65.0%	35.0%	3,610.00		
M13161	Concealed or Embedded Conduit Run	m	0.0%	100.0%	0.0%	50.0%	50.0%	7.52		
M13162	Underground or Underfloor Conduit Run	m	0.0%	100.0%	0.0%	50.0%	50.0%	34.00		
M13163	Perimeter Lighting, 160W 220V Mercury Lamp	each	0.0%	100.0%	0.0%	60.0%	40.0%	909.00		
M13164	Galvanized Steel Lighting Post H=3.5m	each	0.0%	100.0%	0.0%	60.0%	40.0%	4,670.00		
M13165	Underground or Underfloor Conduit Run	m	0.0%	100.0%	0.0%	60.0%	40.0%	58.40		
2.15 Other Materials										
M15101	Film ASA 400 x 36	each	0.0%	100.0%	0.0%	70.0%	30.0%	169.00		
M15102	Film Development	each	0.0%	100.0%	0.0%	15.0%	85.0%	45.00		
M15103	Picture Prints	each	0.0%	100.0%	0.0%	15.0%	85.0%	6.00		
3. Equipment Operation (Depreciation) Cost										
3.01 Excavation Equipment										
Q0101-015	Bulldozer, 15t	hr	3.3%	9.1%	87.6%	51.6%	48.4%	2,500.00		5.27
Q0101-021	Bulldozer, 21t	hr	1.8%	9.7%	88.5%	53.2%	46.8%	3,580.00		6.58
Q0105-010	Backhoe, hydraulic, crawler, 0.1m3	day	8.7%	5.7%	85.6%	54.0%	46.0%	4,950.00		5.00
Q0105-035	Backhoe, hydraulic, crawler, 0.35m3	hr	6.3%	11.2%	82.5%	55.0%	45.0%	1,220.00		5.47
Q0105-060	Backhoe, hydraulic, crawler, 0.60m3	hr	3.8%	11.5%	84.7%	56.5%	43.5%	2,050.00		5.47
Q0106-004	Clamshell, crawler, 0.3m3	hr	5.2%	6.9%	87.8%	54.8%	45.2%	1,310.00		6.25
Q0106-006	Clamshell, crawler, 0.6m3	hr	2.9%	8.3%	88.8%	56.2%	43.8%	2,330.00		6.25
Q0106-008	Clamshell, crawler, 0.6m3 Deep	hr	2.6%	7.8%	89.5%	56.6%	43.5%	2,470.00		6.58
Q0107-034	Tractor Shovel, wheel, 0.34m3	hr	14.2%	6.0%	79.8%	46.0%	54.0%	664.00		4.50
Q0107-080	Tractor Shovel, wheel, 0.8m3	hr	9.7%	8.2%	82.0%	48.6%	51.4%	968.00		4.50
Q0107-120	Tractor Shovel, wheel, 1.2m3	hr	7.5%	9.4%	83.1%	49.9%	50.1%	1,250.00		4.50
3.02 Demolition Equipment										
Q0201-080	Giant Breaker, hydraulic, 600~800kg + Backhoe, hydraulic, crawler, 0.60m3	hr	2.7%	8.3%	89.0%	58.7%	41.3%	2,850.00	with backhoe	0.00
Q0201-130	Giant Breaker, hydraulic, 1300kg + Backhoe, hydraulic, crawler, 0.60m3	hr	2.3%	7.0%	90.8%	59.7%	40.3%	3,400.00	with backhoe	0.00
Q0202-018	Crawler Drill, 180kg	hr	0.0%	0.0%	100.0%	58.1%	41.9%	6,420.00	Depreciation	5.00
Q0203-100	Concrete Crusher, 56~100t + Backhoe, hydraulic, crawler, 0.60m3	hr	2.2%	6.8%	91.0%	60.8%	39.2%	3,500.00	with backhoe	0.00
Q0204-020	Concrete Breaker, 20kg	day	0.0%	0.0%	100.0%	67.0%	33.0%	63.60	Depreciation	0.00
Q0205-030	Leg Hammer, 30kg	day	0.0%	0.0%	100.0%	66.1%	33.9%	286.00	Depreciation	0.00
Q0206-001	Pick Hammer	day	0.0%	0.0%	100.0%	65.7%	34.3%	36.70	Depreciation	0.00
Q0207-020	Hand Hammer	day	0.0%	0.0%	100.0%	67.0%	33.0%	215.00	Depreciation	0.00
3.03 Leveling & Compaction Equipment										
Q0301-031	Motor Grader, 3.1m	hr	4.2%	5.9%	89.9%	50.4%	49.6%	1,940.00		5.22
Q0302-204	Stabilizer, W=2.0m, D=0.4m	hr	0.5%	1.4%	98.1%	55.1%	44.9%	16,900.00		5.20
Q0303-012	Road Roller, macadam, 10~12t	hr	6.2%	6.9%	87.0%	48.6%	51.4%	1,320.00		5.22
Q0304-020	Tire Roller, 8~20t	hr	6.0%	6.1%	87.8%	49.0%	51.0%	1,420.00		5.00
Q0305-011	Vibration Roller, Handy, 0.8~1.1t	hr	26.4%	4.1%	69.5%	42.5%	57.5%	295.00		5.22
Q0305-140	Vibration Roller, combined, 3~4t	hr	9.5%	4.2%	86.3%	49.2%	50.8%	949.00		4.80
Q0306-210	Vibration Roller, tandem, 8~10t	hr	2.9%	6.5%	90.5%	53.0%	47.0%	2,770.00		5.13
Q0306-010	Tamper and Rammer, 60~100kg	day	48.3%	7.5%	44.2%	33.6%	66.4%	849.00		5.00
Q0307-110	Vibration Compactor, 100~110kg	day	47.6%	9.9%	42.5%	33.9%	66.1%	861.00		5.00

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
3.04 Lifting Equipment										
Q0401-022	Crawler Crane, 22.5t	hr	3.0%	3.4%	93.6%	51.0%	49.0%	2,410.00		5.82
Q0401-027	Crawler Crane, 25~27t	hr	2.5%	3.4%	94.0%	51.3%	48.7%	2,870.00		5.82
Q0401-037	Crawler Crane, 35~37t	hr	1.8%	2.6%	95.6%	51.5%	48.5%	3,950.00		5.82
Q0401-040	Crawler Crane, 40t	hr	2.1%	4.0%	93.9%	51.6%	48.4%	3,250.00		6.21
Q0401-050	Crawler Crane, 50t	hr	1.6%	3.6%	94.8%	51.8%	48.2%	4,240.00		6.21
Q0401-060	Crawler Crane, 60t	hr	1.2%	2.9%	95.9%	51.9%	48.1%	5,590.00		6.21
Q0402-005	Truck Crane, 4.8~4.9t	hr	8.3%	7.0%	84.7%	51.7%	48.3%	931.00		5.71
Q0402-011	Truck Crane, 10~11t	hr	4.9%	4.2%	90.9%	53.3%	46.7%	1,570.00		5.71
Q0402-016	Truck Crane, 15~16t	hr	3.7%	3.6%	92.7%	53.9%	46.1%	2,100.00		5.71
Q0402-022	Truck Crane, 20~22t	hr	3.3%	3.3%	93.4%	54.1%	45.9%	2,380.00		5.71
Q0402-025	Truck Crane, 25t	hr	2.7%	3.4%	93.8%	54.4%	45.6%	2,850.00		5.71
Q0402-030	Truck Crane, 30t	hr	2.2%	2.9%	94.9%	54.7%	45.3%	3,510.00		5.71
Q0402-036	Truck Crane, 35~36t	hr	2.0%	3.7%	94.3%	54.9%	45.1%	3,880.00		5.71
Q0402-045	Truck Crane, 40~45t	hr	1.6%	3.1%	95.3%	55.0%	45.0%	4,830.00		5.71
Q0402-060	Truck Crane, 60t	hr	1.2%	2.4%	96.3%	55.2%	44.8%	6,250.00		5.71
Q0402-080	Truck Crane, 80t	hr	0.7%	2.0%	97.3%	55.4%	44.6%	11,300.00		5.71
Q0402-120	Truck Crane, 120t	hr	0.5%	1.6%	97.9%	55.6%	44.4%	15,800.00		5.71
Q0402-136	Truck Crane, 127~136t	hr	0.4%	1.5%	98.1%	55.6%	44.4%	15,800.00		7.80
Q0402-150	Truck Crane, 150t	hr	0.3%	1.6%	98.1%	55.6%	44.4%	17,500.00		7.80
Q0402-160	Truck Crane, 160t	hr	0.4%	1.4%	98.2%	55.5%	44.5%	21,100.00		5.71
Q0403-020	Wheel Crane, 20~22t	hr	3.1%	8.8%	88.1%	53.3%	46.7%	2,350.00		5.93
Q0404-010	Winch, 1.0tx40m/min	day	0.0%	0.0%	100.0%	52.8%	47.2%	300.00	Depreciation	0.00
Q0404-028	Winch, 2.8tx30m/min	day	0.0%	0.0%	100.0%	53.6%	46.4%	1,510.00	Depreciation	0.00
Q0405-009	Lift Car, 8~9m	hr	9.9%	3.9%	86.2%	52.5%	47.5%	827.00		5.25
Q0405-013	Lift Car, 12~13m	hr	6.9%	3.0%	90.1%	54.1%	45.9%	1,180.00		5.25
Q0406-003	Portal Crane Frame, 3t	day	0.0%	0.0%	100.0%	55.6%	44.4%	1,700.00	Depreciation	0.00
Q0406-010	Portal Crane Frame, 10t	day	0.0%	0.0%	100.0%	55.2%	44.8%	4,520.00	Depreciation	0.00
Q0406-103	Portal Crane Hoist, 3t	day	0.0%	0.0%	100.0%	54.5%	45.5%	325.00	Depreciation	0.00
Q0406-110	Portal Crane Hoist, 10t	day	0.0%	0.0%	100.0%	54.4%	45.6%	1,040.00	Depreciation	0.00
Q0407-030	Lever Block, 3.0t	day	0.0%	0.0%	100.0%	65.4%	34.6%	58.30	Depreciation	0.00
Q0408-010	Chain Block, 1.0t	day	0.0%	0.0%	100.0%	58.6%	41.4%	132.00	Depreciation	0.00
3.05 Piling Equipment										
Q0503-022	Vibro Hammer, 22kW + Crawler Crane, 35~37t	hr	1.3%	2.6%	96.0%	52.6%	47.4%	4,860.00		6.56
Q0503-030	Vibro Hammer, 30kW + Crawler Crane, 35~37t	hr	1.3%	2.7%	96.0%	52.8%	47.2%	5,100.00		6.56
Q0503-040	Vibro Hammer, 40kW + Crawler Crane, 35~37t	hr	1.2%	2.8%	96.0%	53.0%	47.0%	5,350.00		6.56
Q0503-060	Vibro Hammer, 60kW + Crawler Crane, 40t	hr	1.2%	3.8%	95.0%	53.7%	46.3%	5,350.00		6.56
Q0504-025	Diesel Hammer Piling Machine, crawler, triaxial support, ram 2.5t	hr	0.7%	4.0%	95.3%	53.8%	46.2%	10,000.00		5.82
Q0504-035	Diesel Hammer Piling Machine, crawler, triaxial support, ram 3.5t	hr	0.6%	4.3%	95.1%	53.9%	46.1%	12,000.00		5.82
Q0504-045	Diesel Hammer Pile Driving Machine, crawler, triaxial support, ram 4.5t	hr	0.6%	4.7%	94.8%	54.0%	46.0%	13,100.00		5.82
Q0504-060	Diesel Hammer Piling Machine, crawler, triaxial support, ram 6.0t	hr	0.4%	4.6%	95.0%	54.0%	46.0%	17,200.00		5.82
Q0504-072	Diesel Hammer Piling Machine, crawler, triaxial support, ram 7.2t	hr	0.3%	4.3%	95.3%	54.1%	45.9%	21,000.00		5.82
Q0505-013	Diesel Hammer Piling Machine, crawler, boom, ram 1.3t	hr	1.3%	5.1%	93.7%	55.2%	44.8%	5,750.00		5.82
Q0505-025	Diesel Hammer Piling Machine, crawler, boom, ram 2.5t	hr	1.2%	6.8%	92.0%	55.4%	44.6%	6,330.00		5.82
Q0506-020	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 2.0 t	hr	0.9%	5.7%	93.4%	55.5%	44.5%	8,480.00		5.82
Q0506-045	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 4.0~4.5 t	hr	0.7%	6.0%	93.4%	55.6%	44.4%	10,800.00		5.82
Q0506-065	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 6.5 t	hr	0.6%	5.1%	94.4%	55.6%	44.4%	13,000.00		5.82
Q0506-080	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 7.0~8.0 t	hr	0.5%	4.4%	95.1%	55.6%	44.4%	15,000.00		5.82
Q0506-125	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 10~12.5 t	hr	0.5%	4.1%	95.4%	55.6%	44.4%	16,000.00		5.82
Q0507-030	Diesel Hammer & Earth Auger Piling Machine, crawler, triaxial support, ram 2.5t, auger 30kW	hr	0.8%	2.6%	96.5%	55.2%	44.8%	8,760.00		5.82
Q0507-045	Diesel Hammer & Earth Auger Piling Machine, crawler, triaxial support, ram 3.5, auger 45kW	hr	0.6%	2.3%	97.1%	55.3%	44.7%	11,400.00		5.82
Q0508-030	Earth Auger Piling Machine, crawler, 30kW	hr	0.8%	0.9%	98.3%	55.0%	45.0%	8,610.00		5.82
Q0508-045	Earth Auger Piling Machine, crawler, 45kW	hr	0.6%	0.7%	98.7%	55.2%	44.8%	12,800.00		5.82
Q0509-045	Earth Auger, crawler, 45kW	hr	0.7%	0.7%	98.6%	55.1%	44.9%	11,200.00		6.00
Q0509-055	Earth Auger, crawler, 55kW	hr	0.6%	0.7%	98.7%	55.2%	44.8%	12,400.00		6.00
Q0513-120	All Casing Excavator, φ1200max	hr	1.0%	4.4%	94.6%	55.4%	44.6%	6,210.00		6.50
Q0513-150	All Casing Excavator, φ1500max	hr	0.7%	2.1%	97.2%	55.3%	44.7%	8,630.00		6.50
Q0513-200	All Casing Excavator, φ2000max	hr	0.5%	1.5%	97.9%	55.4%	44.6%	11,700.00		6.50
Q0514-080	Hammer Grab, φ800	day	0.0%	0.0%	100.0%	67.0%	33.0%	5,170.00	Depreciation	0.00
Q0514-100	Hammer Grab, φ1000	day	0.0%	0.0%	100.0%	67.0%	33.0%	5,660.00	Depreciation	0.00
Q0514-120	Hammer Grab, φ1200	day	0.0%	0.0%	100.0%	67.0%	33.0%	5,910.00	Depreciation	0.00
Q0514-150	Hammer Grab, φ1500	day	0.0%	0.0%	100.0%	67.0%	33.0%	10,100.00	Depreciation	0.00

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
Q0515-001	Hammer Crown, $\leq \phi 1200$	day	0.0%	0.0%	100.0%	70.7%	29.3%	1,430.00	Depreciation	0.00
Q0515-002	Hammer Crown, $> \phi 1200$	day	0.0%	0.0%	100.0%	70.7%	29.3%	1,920.00	Depreciation	0.00
Q0516-085	Casing Tube, $\phi 800$, L=5m	day	0.0%	0.0%	100.0%	68.5%	31.5%	1,710.00	Depreciation	0.00
Q0516-105	Casing Tube, $\phi 1000$, L=5m	day	0.0%	0.0%	100.0%	68.5%	31.5%	1,780.00	Depreciation	0.00
Q0516-125	Casing Tube, $\phi 1200$, L=5m	day	0.0%	0.0%	100.0%	68.5%	31.5%	2,080.00	Depreciation	0.00
Q0516-155	Casing Tube, $\phi 1500$, L=5m	day	0.0%	0.0%	100.0%	68.5%	31.5%	2,690.00	Depreciation	0.00
Q0518-055	Reverse Circulation Drill, 55kW	hr	1.9%	2.5%	95.6%	54.1%	45.9%	3,670.00		6.18
Q0518-075	Reverse Circulation Drill, 75kW	hr	1.7%	3.2%	95.1%	54.2%	45.8%	4,040.00		6.18
Q0520-075	Sand Piling Machine, 75kW (35~37t)	hr	0.5%	0.6%	99.0%	55.2%	44.8%	15,800.00		5.91
Q0520-120	Sand Piling Machine, 120kW (40t)	hr	0.4%	0.6%	99.0%	55.3%	44.7%	17,900.00		5.91
Q0521-120	Three Wing Bit, $\phi 800 \sim 1200$	day	0.0%	0.0%	100.0%	70.7%	29.3%	1,090.00	Depreciation	0.00
Q0522-100	Hydraulic Steel Pipe Jack, $\phi 1000$	day	0.0%	0.0%	100.0%	57.6%	42.4%	14,400.00	Depreciation	0.00
3.06 Transportation Equipment										
Q0601-002	Dump Truck, Diesel, 2t	hr	15.7%	15.2%	69.2%	46.2%	53.8%	383.00		6.12
Q0601-004	Dump Truck, Diesel, 4t	hr	10.9%	16.0%	73.1%	48.9%	51.1%	552.00		6.12
Q0601-011	Dump Truck, Diesel, 10t	hr	4.6%	12.5%	82.9%	51.7%	48.3%	1,290.00		6.12
Q0602-002	Truck, 2t	hr	18.7%	14.5%	66.8%	44.1%	55.9%	442.00		4.47
Q0602-003	Truck, 3~3.5t	hr	15.8%	13.2%	71.0%	45.4%	54.6%	522.00		4.47
Q0603-004	Truck with 2.9t crane, 4t	hr	8.3%	10.6%	81.0%	49.0%	51.0%	809.00		5.69
Q0604-015	Trailer, 15t	hr	4.0%	13.7%	82.3%	54.5%	45.5%	1,580.00		5.83
Q0605-045	Concrete Mixer Truck 4.4~4.5m ³	hr	5.8%	12.0%	82.2%	53.7%	46.3%	1,290.00		5.06
Q0611-020	Cart, 20t	day	0.0%	0.0%	100.0%	59.2%	40.8%	423.00	Depreciation	0.00
Q0611-040	Cart, 40t	day	0.0%	0.0%	100.0%	59.2%	40.8%	686.00	Depreciation	0.00
3.07 Concrete Work Equipment										
Q0701-030	Concrete Plant, 30m ³ /hr	hr	2.1%	3.0%	94.9%	52.0%	48.0%	3,670.00		5.53
Q0701-045	Concrete Plant, 45m ³ /hr	hr	1.3%	2.6%	96.1%	52.4%	47.6%	5,820.00		5.53
Q0702-060	Concrete Pump Vehicle, 55~60m ³ /hr	hr	2.3%	4.9%	92.8%	56.3%	43.7%	2,640.00		7.06
Q0702-085	Concrete Pump Vehicle, 65~85m ³ /hr	hr	1.9%	5.4%	92.6%	56.5%	43.5%	3,100.00		7.06
Q0702-110	Concrete Pump Vehicle, 90~110m ³ /hr	hr	1.5%	5.1%	93.4%	56.8%	43.2%	3,960.00		7.06
Q0703-075	Concrete Pump, 70~75m ³ /hr	hr	1.3%	3.0%	95.8%	57.1%	42.9%	4,800.00		7.00
Q0704-010	Concrete Bucket, 1.0m ³	day	0.0%	0.0%	100.0%	60.1%	39.9%	572.00	Depreciation	0.00
Q0705-075	Concrete Spreader, 3~7.5m	hr	2.2%	1.5%	96.2%	52.9%	47.1%	3,260.00		5.88
Q0706-045	Concrete Finisher, 3~4.5m	hr	2.2%	0.9%	96.9%	52.7%	47.3%	3,240.00		6.00
Q0706-075	Concrete Finisher, 3~7.5m	hr	1.2%	0.8%	98.0%	53.3%	46.7%	6,150.00		6.00
Q0706-175	Concrete Vertical Finisher, 3~7.5m	hr	1.6%	0.6%	97.9%	53.2%	46.8%	4,690.00		5.88
Q0707-005	Finishing Screed, 3.5~5m	day	41.6%	2.9%	55.5%	39.8%	60.2%	1,030.00		5.00
Q0708-060	Concrete Vibrator Rod, $\phi 60$ mm	day	0.0%	0.0%	100.0%	64.0%	36.0%	244.00		0.00
Q0709-040	Concrete Cutter, blade $\phi 40$ cm	day	34.9%	8.5%	56.6%	41.3%	58.7%	1,170.00		5.00
Q0709-056	Concrete Cutter, blade $\phi 56$ cm	day	21.1%	8.4%	70.5%	49.2%	50.8%	1,940.00		5.00
Q0709-065	Concrete Cutter, blade $\phi 65$ cm	day	13.5%	8.7%	77.8%	53.9%	46.1%	3,030.00		5.00
Q0709-075	Concrete Cutter, blade $\phi 75$ cm	day	8.0%	7.1%	84.9%	57.2%	42.8%	5,100.00		5.00
Q0709-106	Concrete Cutter, blade $\phi 106$ cm	day	7.8%	8.4%	83.8%	57.4%	42.6%	5,260.00		5.00
Q0710-030	Grout Pump, 15~30 ltr/min	day	0.0%	0.0%	100.0%	52.7%	47.3%	697.00		0.00
Q0710-100	Grout Pump, 37~100 ltr/min	day	0.0%	2.2%	97.8%	53.1%	46.9%	1,400.00		1.50
Q0711-120	Grout Mixer, 1x200 ltr	day	0.0%	0.0%	100.0%	52.8%	47.2%	528.00		0.00
Q0711-220	Grout Mixer, 2x200 ltr	day	0.0%	1.2%	98.8%	52.9%	47.1%	607.00		1.50
Q0711-240	Grout Mixer, 2x400 ltr	day	0.0%	4.5%	95.5%	57.4%	42.6%	982.00		0.00
Q0712-012	Mortar Gun, wet, 0.8~1.2m ³ /hr	hr	0.0%	4.5%	95.5%	57.4%	42.6%	936.00		6.42
Q0713-060	Concrete Gun, 6m ³ /hr	hr	0.0%	5.0%	95.0%	56.7%	43.3%	831.00		6.75
Q0713-300	Mortar Plant, 2x500 ltr, 281~300 ltr/min	day	0.0%	0.9%	99.1%	52.8%	47.2%	10,300.00		1.80
Q0715-126	Jet Heater 126MJ/h	hr	0.0%	0.0%	100.0%	56.2%	43.8%	10.00		9.50
Q0716-060	Jaw Crusher 600x900	hr	0.0%	37.5%	62.5%	56.5%	43.5%	395.00		6.92
Q0717-090	Vibration Sieve 900x1800	hr	0.0%	11.7%	88.3%	58.4%	41.6%	61.60		6.83
3.08 Asphalt Work Equipment										
Q0802-028	Asphalt Finisher, crawler, 1.6~2.8m	hr	3.5%	2.5%	94.0%	52.2%	47.8%	2,210.00		5.50
Q0802-060	Asphalt Finisher, crawler, 2.4~5.0m	hr	1.4%	1.2%	97.5%	53.2%	46.8%	5,600.00		5.50
Q0802-120	Asphalt Finisher, crawler, 3~12m	hr	0.6%	1.9%	97.5%	53.7%	46.3%	12,900.00		5.50
Q0803-045	Asphalt Finisher, wheel, 2.4~4.5m	hr	1.6%	1.5%	96.8%	53.1%	46.9%	4,710.00		5.50
Q0804-400	Asphalt Distributor, 4000 ltr	day	4.9%	8.0%	87.1%	52.0%	48.0%	7,580.00		4.30
Q0805-200	Asphalt Engine Sprayer, 200 ltr	day	51.5%	0.0%	48.5%	31.7%	68.3%	833.00		4.30
Q0806-045	Asphalt Curber, 4~4.5m ³ /h	day	18.5%	4.8%	76.7%	48.2%	51.8%	2,220.00		5.00
Q0807-020	Road Cutter, wheel, 2.0m	hr	0.7%	4.4%	94.9%	53.8%	46.2%	11,000.00		5.43
Q0809-023	Road Surface Heater	hr	0.7%	0.9%	98.4%	55.6%	44.4%	9,600.00		6.57
3.09 Steel Work Equipment										
Q0901-025	Electric Welder, 250A	day	0.0%	0.0%	100.0%	53.2%	46.8%	97.80		3.30
Q0901-050	Electric Welder, 500A	day	0.0%	0.0%	100.0%	53.2%	46.8%	189.00		0.00
3.10 Generator, Pumps & Blowers										
Q1001-010	Generator, 10kVA	day	0.0%	8.7%	91.3%	60.3%	39.7%	915.00		3.00
Q1001-015	Generator, 15kVA	day	0.0%	9.1%	90.9%	60.4%	39.6%	1,160.00		3.00
Q1001-020	Generator, 20kVA	day	0.0%	8.7%	91.3%	60.3%	39.7%	1,370.00		3.00
Q1001-035	Generator, 35kVA	day	0.0%	12.4%	87.6%	60.5%	39.5%	1,670.00		3.00
Q1001-045	Generator, 45kVA	day	0.0%	14.1%	85.9%	60.6%	39.4%	1,880.00		3.00
Q1001-060	Generator, 60kVA	day	0.0%	14.9%	85.1%	60.7%	39.3%	2,410.00		3.00
Q1001-075	Generator, 75kVA	day	0.0%	14.0%	86.0%	60.6%	39.4%	3,080.00		3.00
Q1001-100	Generator, 100kVA	day	0.0%	17.7%	82.3%	60.8%	39.2%	3,270.00		3.00
Q1001-125	Generator, 125kVA	day	0.0%	17.7%	82.3%	60.8%	39.2%	4,130.00		3.00
Q1001-150	Generator, 150kVA	day	0.0%	17.5%	82.5%	60.8%	39.2%	4,810.00		3.00
Q1001-200	Generator, 200kVA	day	0.0%	18.7%	81.3%	60.8%	39.2%	6,530.00		3.00
Q1001-300	Generator, 300kVA	day	0.0%	16.0%	84.0%	60.7%	39.3%	9,720.00		3.00
Q1001-350	Generator, 350kVA	day	0.0%	19.1%	80.9%	60.9%	39.1%	10,900.00		3.00

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
Q1002-037	Air Compressor, 3.5~3.7m3/min	day	0.0%	11.7%	88.3%	59.1%	40.9%	1,710.00		3.00
Q1002-050	Air Compressor, 5.0m3/min	day	0.0%	12.2%	87.8%	59.1%	40.9%	2,450.00		3.00
Q1002-076	Air Compressor, 7.5m3/min	day	0.0%	12.4%	87.6%	59.1%	40.9%	3,630.00		3.00
Q1002-110	Air Compressor, 10.5~11.0m3/min	day	0.0%	10.8%	89.2%	59.0%	41.0%	5,560.00		3.00
Q1002-170	Air Compressor, 17m3/min	day	0.0%	13.6%	86.4%	59.2%	40.8%	6,490.00		3.00
Q1003-100	Blower, 100m3, 1.1 kg/cm2	hr	0.0%	31.6%	68.4%	60.7%	39.3%	1,460.00		16.07
Q1004-051	Water Pump, ϕ 50mm, 0.8kW	day	0.0%	11.7%	88.3%	55.4%	44.6%	85.70		5.00
Q1005-101	Submerged Pump, ϕ 100mm, 3.7kW	day	0.0%	22.2%	77.8%	54.8%	45.2%	317.00		8.00
Q1005-102	Submerged Pump, ϕ 100mm, 5.5kW	day	0.0%	24.8%	75.2%	54.6%	45.4%	412.00		8.00
Q1005-151	Submerged Pump, ϕ 150mm, 7.5kW	day	0.0%	30.2%	69.8%	54.3%	45.7%	466.00		8.00
Q1005-152	Submerged Pump, ϕ 150mm, 11.0kW	day	0.0%	31.2%	68.8%	54.2%	45.8%	656.00		8.00
Q1005-201	Submerged Pump, ϕ 200mm, 11.0kW	day	0.0%	29.2%	70.8%	54.3%	45.7%	701.00		8.00
Q1005-202	Submerged Pump, ϕ 200mm, 15.0kW	day	0.0%	27.3%	72.7%	54.4%	45.6%	1,030.00		8.00
Q1006-101	Sand Pump, ϕ 100mm, 5.5kW	day	0.0%	0.0%	100.0%	55.9%	44.1%	294.00		0.00
Q1007-005	Water Tank, 5m3	day	0.0%	0.0%	100.0%	61.1%	38.9%	178.00	Depreciation	0.00
Q1008-020	Hydraulic Jack, 20t	day	0.0%	0.0%	100.0%	60.3%	39.7%	245.00	Depreciation	0.00
Q1008-030	Hydraulic Jack, 30t	day	0.0%	0.0%	100.0%	60.3%	39.7%	296.00	Depreciation	0.00
Q1008-050	Hydraulic Jack, 50t	day	0.0%	0.0%	100.0%	60.3%	39.7%	409.00	Depreciation	0.00
Q1008-075	Hydraulic Jack, 75t	day	0.0%	0.0%	100.0%	60.3%	39.7%	508.00	Depreciation	0.00
Q1008-100	Hydraulic Jack, 100t	day	0.0%	0.0%	100.0%	60.3%	39.7%	612.00	Depreciation	0.00
Q1008-150	Hydraulic Jack, 150t	day	0.0%	0.0%	100.0%	60.3%	39.7%	887.00	Depreciation	0.00
Q1008-200	Hydraulic Jack, 200t	day	0.0%	0.0%	100.0%	60.3%	39.7%	1,150.00	Depreciation	0.00
Q1008-300	Hydraulic Jack, 300t	day	0.0%	0.0%	100.0%	60.3%	39.7%	1,670.00	Depreciation	0.00
Q1009-050	Hydraulic Jack, Electric, 50t	day	0.0%	0.0%	100.0%	59.9%	40.1%	927.00	Depreciation	0.00
Q1011-015	Hydraulic Pump, 1.5kW	day	0.0%	0.0%	100.0%	60.3%	39.7%	1,370.00	Depreciation	0.00
3.11 Road Maintenance Equipment										
Q1101-031	Road Washer, brush, 2~3.1m3	hr	2.2%	4.6%	93.2%	57.3%	42.7%	2,500.00		7.60
Q1101-045	Road Washer, Vacuum, 4.5m3	hr	2.4%	4.1%	93.5%	57.1%	42.9%	2,280.00		7.60
Q1101-055	Road Washer, Vacuum, 5.5m3	hr	1.7%	3.0%	95.3%	57.5%	42.5%	3,360.00		7.60
Q1102-125	Guardrail Washer	hr	3.8%	3.8%	92.4%	54.7%	45.3%	1,890.00		5.33
Q1103-380	Water Sprinkle Vehicle, 3800 ltr	hr	9.5%	7.0%	83.5%	51.1%	48.9%	828.00		4.80
Q1103-650	Water Sprinkle Vehicle, 5500~6500 ltr	hr	7.4%	6.2%	86.4%	52.2%	47.8%	1,060.00		4.80
Q1104-600	Guardrail Post Piler, 400~600kg	hr	4.0%	1.2%	94.8%	55.1%	44.9%	1,510.00		6.38
Q1105-255	Grass Cutter, shoulder type 255mm	day	0.0%	0.0%	100.0%	62.6%	37.2%	78.40	Depreciation	0.00
Q1106-015	Line Marker (Solution Type, Hand Guide) 15cm	hr	0.0%	0.0%	100.0%	60.5%	39.5%	65.40		5.70
Q1106-030	Line Marker (Solution Type, Hand Guide) 30, 45cm	hr	0.0%	0.0%	100.0%	60.5%	39.5%	40.90		5.70
Q1107-015	Line Marker (Paint Type, Hand Guide) 15cm	hr	0.0%	2.9%	97.1%	58.5%	41.5%	1,700.00		6.00
Q1108-022	High Pressure Washer 2.2kW	day	0.0%	0.0%	100.0%	56.2%	43.8%	167.00	Depreciation	0.00
3.15 Miscellaneous										
Q1501-030	Rail 30kg/m x 100m	day	0.0%	0.0%	100.0%	53.0%	47.0%	70.90	Depreciation	0.00
Q1511-060	Square Pipe, 60mm x 1000m	day	0.0%	0.0%	100.0%	71.2%	28.8%	249.00	Depreciation	0.00
Q1521-014	PC Bridge Cantilever Construction Form Traveler, W \leq 14m	day	0.0%	0.0%	100.0%	60.9%	39.1%	16,700.00	Depreciation	0.00
Q1521-017	PC Bridge Cantilever Construction Operation Wagon, W \leq 17m	day	0.0%	0.0%	100.0%	60.9%	39.1%	22,200.00	Depreciation	0.00
Q1521-020	PC Bridge Cantilever Construction Operation Wagon, W \leq 20m	day	0.0%	0.0%	100.0%	60.9%	39.1%	30,000.00	Depreciation	0.00
Q1521-024	PC Bridge Cantilever Construction Operation Wagon, W \leq 24m	day	0.0%	0.0%	100.0%	60.9%	39.1%	32,600.00	Depreciation	0.00
Q1531-001	Electric Drill	day	0.0%	0.0%	100.0%	59.9%	40.1%	16.50	Depreciation	0.00
Q1531-002	Hammer Drill	day	0.0%	0.0%	100.0%	59.9%	40.1%	47.00	Depreciation	0.00
Q1541-001	Steel Formwork 10m2	day	0.0%	0.0%	100.0%	70.8%	29.2%	67.30	Depreciation	0.00
Q1551-001	Erection Girder t	day	0.0%	0.0%	100.0%	59.2%	40.8%	270.00	Depreciation	0.00
Q1561-001	Temporary Frame Support (Portal 914x1700)	day	0.0%	0.0%	100.0%	70.3%	29.7%	3.44	Depreciation	0.00
Q1561-002	Temporary Frame Support (Portal 1219x1700)	day	0.0%	0.0%	100.0%	70.3%	29.7%	3.77	Depreciation	0.00
Q1561-003	Temporary Frame Support (Portal 1219x1829)	day	0.0%	0.0%	100.0%	70.3%	29.7%	5.04	Depreciation	0.00
Q1561-011	Temporary Frame Support (bracing 914 x 1219)	day	0.0%	0.0%	100.0%	69.7%	30.3%	0.74	Depreciation	0.00
Q1561-012	Temporary Frame Support (bracing 1219 x 1219)	day	0.0%	0.0%	100.0%	69.7%	30.3%	0.78	Depreciation	0.00
Q1561-013	Temporary Frame Support (bracing 1829 x 1219)	day	0.0%	0.0%	100.0%	69.7%	30.3%	0.89	Depreciation	0.00
4. Rental Equipment Operation Cost										
4.01 Excavation Equipment										
R0101-015	Tractor, crawler w/dozer (Bulldozer, 15t)	hr	3.0%	7.8%	89.2%	53.6%	46.4%	2,700.00		5.27
R0101-021	Tractor, crawler w/dozer (Bulldozer, 21t)	hr	1.6%	8.1%	90.3%	54.3%	45.7%	4,160.00		6.58
R0102-010	Backhoe, hydraulic, crawler, 0.11m3	day	10.3%	8.5%	81.2%	49.6%	50.4%	4,170.00		0.00
R0102-035	Backhoe, hydraulic, crawler, 0.35m3	hr	6.5%	8.4%	85.1%	51.8%	48.2%	1,210.00		5.47
R0102-061	Backhoe, hydraulic, crawler, 0.61m3	hr	4.5%	8.4%	87.1%	52.9%	47.1%	1,740.00		5.47
R0102-070	Backhoe, hydraulic, crawler, 0.70m3	hr	3.9%	8.1%	88.0%	53.0%	47.0%	2,020.00		5.47
R0102-080	Backhoe, hydraulic, crawler, 0.80m3	hr	3.4%	7.7%	88.9%	53.3%	46.7%	2,330.00		5.47
4.02 Demolition Equipment										

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
R0201-020	Rock Drill/Breaker 20cfm	day	0.0%	0.0%	100.0%	54.4%	45.6%	1,400.00		0.00
R0202-000	Crawler Drill	hr	0.0%	0.0%	100.0%	54.3%	45.7%	518.00		5.00
R0204-020	Pneumatic Breaker, Handhold	day	0.0%	0.0%	100.0%	54.3%	45.7%	457.00		0.00
R0207-020	Chipping Hammer	day	0.0%	0.0%	100.0%	54.3%	45.7%	664.00		0.00
4.03 Leveling & Compaction Equipment										
R0301-285	Motor Grader, 2.85m	hr	3.9%	4.0%	92.1%	52.7%	47.3%	2,120.00		5.22
R0301-371	Motor Grader, 3.71m	hr	3.7%	6.9%	89.4%	53.2%	46.8%	2,230.00		5.22
R0302-000	Soil Stabilizer/Road Reclaimer	hr	1.4%	4.2%	94.4%	54.0%	46.0%	5,840.00		5.20
R0304-016	Four Tamping Foot Wheels (Tire Roller) 16t	hr	4.4%	8.0%	87.6%	52.7%	47.3%	1,970.00		5.00
R0305-037	Vibratory Single Smooth Drum 3.75t (Vibration Roller, combined, 3~4t)	hr	20.7%	9.0%	70.3%	44.0%	56.0%	431.00		4.80
R0305-106	Vibratory Tandem Smooth Drum 10.6t (Vibration Roller, tandem, 8~10t)	hr	4.1%	8.9%	87.0%	52.9%	47.1%	2,040.00		5.13
R0306-006	Vibration Rammer, 6in	day	0.0%	49.4%	50.6%	59.7%	40.3%	158.00		0.00
R0307-000	Plate Compactor	day	0.0%	17.7%	82.3%	56.2%	43.8%	780.00		0.00
4.04 Lifting Equipment										
R0401-025	Crawler Crane, 21-25t	hr	4.7%	8.0%	87.3%	52.7%	47.3%	1,560.00		5.82
R0401-030	Crawler Crane, 26-30t	hr	4.6%	7.8%	87.6%	52.5%	47.5%	1,600.00		5.82
R0401-035	Crawler Crane, 31-35t	hr	4.4%	9.8%	85.8%	52.9%	47.1%	1,690.00		5.82
R0401-040	Crawler Crane, 36-40t	hr	3.8%	8.4%	87.8%	53.2%	46.8%	1,950.00		5.82
R0401-045	Crawler Crane, 41-45t	hr	3.3%	7.7%	89.0%	53.4%	46.6%	2,120.00		6.21
R0401-050	Crawler Crane, 46-50t	hr	2.8%	6.6%	90.6%	53.6%	46.4%	2,480.00		6.21
R0401-060	Crawler Crane, 51-60t	hr	2.5%	8.7%	88.8%	53.8%	46.2%	2,710.00		6.21
R0402-005	Truck Crane, Hydraulic 2-5t	hr	18.2%	10.9%	70.9%	45.6%	54.4%	413.00		5.71
R0402-010	Truck Crane, Hydraulic 6-10t	hr	15.5%	9.3%	75.2%	46.9%	53.1%	486.00		5.71
R0402-015	Truck Crane, Hydraulic 11-15t	hr	8.5%	8.3%	83.2%	50.5%	49.5%	881.00		5.71
R0402-020	Truck Crane, Hydraulic 16-20t	hr	7.0%	7.7%	85.3%	51.5%	48.5%	1,070.00		5.71
R0402-025	Truck Crane, Hydraulic 21-25t	hr	5.6%	6.8%	87.6%	52.0%	48.0%	1,330.00		5.71
R0402-030	Truck Crane, Hydraulic 26-30t	hr	5.1%	7.3%	87.6%	52.2%	47.8%	1,470.00		5.71
R0402-035	Truck Crane, Hydraulic 31-35t	hr	4.5%	6.4%	89.1%	52.4%	47.6%	1,680.00		5.71
R0402-040	Truck Crane, Hydraulic 36-40t	hr	4.3%	6.2%	89.5%	52.8%	47.2%	1,750.00		5.71
R0402-045	Truck Crane, Hydraulic 41-45t	hr	3.4%	5.0%	91.6%	53.1%	46.9%	2,240.00		5.71
R0402-050	Truck Crane, Hydraulic 46-50t	hr	3.2%	4.8%	92.0%	53.0%	47.0%	2,330.00		5.71
R0402-060	Truck Crane, Hydraulic 51-60t	hr	3.0%	5.1%	91.9%	53.1%	46.9%	2,510.00		5.71
R0402-070	Truck Crane, Hydraulic 61-70t	hr	2.7%	4.6%	92.7%	53.3%	46.7%	2,780.00		5.71
R0402-080	Truck Crane, Hydraulic 71-80t	hr	2.4%	4.2%	93.4%	53.5%	46.5%	3,080.00		5.71
R0402-090	Truck Crane, Hydraulic 81-90t	hr	1.9%	3.3%	94.8%	53.7%	46.3%	3,920.00		5.71
R0402-100	Truck Crane, Hydraulic 91-100t	hr	1.5%	2.6%	95.9%	53.8%	46.2%	5,050.00		5.71
R0402-120	Truck Crane, Hydraulic 101-120t	hr	1.1%	1.9%	97.0%	53.9%	46.1%	6,960.00		5.71
R0402-140	Truck Crane, Hydraulic 121-140t	hr	0.9%	1.9%	97.2%	54.0%	46.0%	8,240.00		5.71
R0402-160	Truck Crane, Hydraulic 141-160t	hr	0.5%	1.9%	97.3%	54.0%	46.0%	8,960.00		5.71
R0402-180	Truck Crane, Hydraulic 161-180t	hr	0.8%	2.0%	97.2%	54.1%	45.9%	9,720.00		5.71
4.05 Piling Equipment										
R0501-013	Diesel Hammer w/o Crane, 1.3t	hr	0.0%	11.3%	88.7%	55.4%	44.6%	1,060.00		6.29
R0501-025	Diesel Hammer w/o Crane, 2.5t	hr	0.0%	0.0%	100.0%	55.6%	44.4%	1,670.00		6.29
R0501-035	Diesel Hammer w/o Crane, 3.5t	hr	0.0%	0.0%	100.0%	56.0%	44.0%	2,060.00		6.29
R0501-045	Diesel Hammer w/o Crane, 4.5t	hr	0.0%	0.0%	100.0%	55.7%	44.3%	3,000.00		6.29
R0501-060	Diesel Hammer w/o Crane, 6.0t	hr	0.0%	12.9%	87.1%	55.7%	44.3%	4,300.00		6.29
R0502-045	Vibratory Pile Driver, Hydraulic 45 t-m	hr	1.9%	22.6%	75.5%	55.7%	44.3%	3,420.00		6.56
R0502-070	Vibratory Pile Driver, Hydraulic 70 t-m	hr	1.2%	21.4%	77.4%	55.9%	44.1%	5,340.00		6.56
R0502-120	Vibratory Pile Driver, Hydraulic 120 kN-m	hr	1.5%	14.2%	84.3%	55.1%	44.9%	4,450.00		6.56
R0503-060	Vibratory Pile Driver, Electric 60kW w/o Genset	hr	8.9%	9.9%	81.2%	49.0%	51.0%	734.00		6.56
R0507-030	Piling Rig, Triaxial, Hydraulic w/ auger	hr	1.1%	4.4%	94.5%	54.2%	45.8%	6,090.00		6.27
R0517-181	Drilling Rig, Hydraulic, Crawler ϕ 1800mm x 20m deep	hr	0.6%	1.4%	98.0%	54.0%	46.0%	11,500.00		6.27
R0517-182	Drilling Rig, Hydraulic, Crawler ϕ 1800mm x 53m deep	hr	0.5%	2.2%	97.3%	54.1%	45.9%	13,100.00		6.27
R0517-201	Drilling Rig, Hydraulic, Crawler ϕ 2000mm x 65m deep	hr	0.5%	1.9%	97.6%	54.3%	45.7%	14,000.00		6.27
R0517-202	Drilling Rig, Hydraulic, Crawler ϕ 2500mm x 68m deep	hr	0.5%	1.7%	97.8%	54.2%	45.8%	15,000.00		6.27
R0517-203	Drill Rig, Mechanical Rotary w/o crane 600~2000mm x 68m deep	hr	0.0%	3.9%	96.1%	54.7%	45.3%	3,920.00		6.27
R0518-055	Reverse Circulation Drill 55kW	hr	0.0%	18.5%	81.5%	53.6%	46.4%	507.00		6.18
4.06 Transportation Equipment										
R0601-003	Dump Truck, 3.0-6.0 cu-yds (2.3-4.6m3)	hr	13.7%	19.2%	67.1%	48.9%	51.1%	447.00		6.12
R0601-006	Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3)	hr	10.1%	17.9%	72.0%	50.7%	49.3%	604.00		6.12
R0601-009	Dump Truck, 9.0-12.0 cu-yds (6.9-9.2m3)	hr	8.1%	17.8%	74.1%	51.8%	48.2%	757.00		6.12
R0601-012	Dump Truck, 12.0-15.0 cu-yds (9.2-11.5m3)	hr	6.9%	16.1%	77.0%	52.3%	47.7%	882.00		6.12
R0601-015	Dump Truck, 15.0-20.0 cu-yds (11.5-15.3m3)	hr	5.9%	18.1%	76.0%	52.9%	47.1%	1,030.00		6.12
R0602-002	Cargo truck 2.0-5.0t	hr	14.7%	13.6%	71.7%	47.8%	52.2%	572.00		4.47
R0602-006	Cargo truck 6.0-8.0t	hr	12.2%	13.9%	73.9%	49.2%	50.8%	685.00		4.47
R0602-009	Cargo truck 9.0-10.0t	hr	9.7%	15.4%	74.9%	50.7%	49.3%	861.00		4.47
R0602-011	Cargo truck 11.0-12.0t	hr	8.3%	14.1%	77.6%	51.5%	48.5%	1,010.00		4.47
R0602-013	Cargo truck 13.0-15.0t	hr	7.4%	13.9%	78.7%	51.6%	48.4%	1,130.00		4.47
R0603-002	Pick-up truck 2.2t	hr	14.2%	10.8%	75.0%	47.8%	52.2%	590.00		4.47
R0604-020	Trailer 20t	hr	3.9%	10.7%	85.4%	53.3%	46.7%	1,670.00		5.83
R0604-045	Trailer 45t	hr	2.4%	8.2%	89.4%	53.9%	46.1%	2,700.00		5.83

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
R0605-045	Truck Mixer 3.5-4.5 cu-yds (2.7-3.4m3)	hr	9.2%	9.5%	81.3%	50.3%	49.7%	919.00		5.06
R0605-060	Truck Mixer 5.0-6.0 cu-yds (3.8-4.6m3)	hr	7.3%	8.2%	84.5%	51.2%	48.8%	1,160.00		5.06
R0605-075	Truck Mixer 6.5-7.5 cu-yds (5.0-5.7m3)	hr	6.3%	7.9%	85.8%	51.9%	48.1%	1,350.00		5.06
R0605-100	Truck Mixer 8.0-10.0 cu-yds (6.1-7.6m3)	hr	5.5%	10.3%	84.2%	52.5%	47.5%	1,540.00		5.06
R0605-120	Truck Mixer 11.0-12.0 cu-yds (8.4-9.2m3)	hr	4.6%	9.9%	85.5%	52.7%	47.3%	1,830.00		5.06
4.07 Concrete Work Equipment										
R0701-030	Concrete Batch Plant 30m3/hr with silo	hr	5.2%	7.4%	87.4%	51.2%	48.8%	1,500.00		5.53
R0701-040	Concrete Batch Plant 40m3/hr with silo	hr	3.9%	7.5%	88.6%	51.7%	48.3%	1,980.00		5.53
R0702-070	Concrete Pump Vehicle 70cu-yds/hr (53.5m3/hr)	hr	3.2%	7.1%	89.7%	53.4%	46.6%	1,880.00		7.06
R0702-100	Concrete Pump Vehicle 100cu-yds/hr (76.5m3/hr)	hr	0.0%	0.0%	100.0%	53.4%	46.6%	2,190.00		7.06
R0706-024	Concrete Paver/Finisher	hr	7.3%	3.7%	89.0%	50.8%	49.2%	979.00		6.00
R0706-090	Concrete Paver/Finisher	hr	5.1%	9.6%	85.3%	52.6%	47.4%	1,400.00		6.00
R0708-060	Concrete Vibrator	day	0.0%	8.2%	91.8%	55.2%	44.8%	438.00		0.00
R0709-014	Concrete Cutter 14in	day	0.0%	55.2%	44.8%	60.2%	39.8%	815.00		0.00
R0710-000	Grout Pump	day	0.0%	0.0%	100.0%	54.3%	45.7%	1,280.00		0.00
R0711-003	Concrete Mixer 1-3 ft3/min (0.03-0.08m3/min)	day	0.0%	2.9%	97.1%	54.6%	45.4%	418.00		0.00
R0711-006	Concrete Mixer 4-6 ft3/min (0.11-0.17m3/min)	day	0.0%	3.2%	96.8%	54.7%	45.3%	568.00		0.00
R0711-012	Concrete Mixer 7-12 ft3/min (0.20-0.33m3/min)	day	0.0%	5.1%	94.9%	54.9%	45.1%	700.00		0.00
R0711-018	Concrete Mixer 13-18 ft3/min (0.37-0.51m3/min)	day	0.0%	6.3%	93.7%	55.0%	45.0%	862.00		0.00
R0711-024	Concrete Mixer 19-24 ft3/min (0.53-0.68m3/min)	day	0.0%	7.1%	92.9%	55.2%	44.8%	1,010.00		0.00
R0711-036	Concrete Mixer 25-36 ft3/min (0.71-1.02m3/min)	day	0.0%	9.5%	90.5%	55.2%	44.8%	1,200.00		0.00
R0711-040	Concrete Mixer 37-40 ft3/min (1.05-1.13m3/min)	day	0.0%	12.3%	87.7%	55.6%	44.4%	1,370.00		0.00
R0713-000	Concrete Gun	hr	0.0%	9.6%	90.4%	53.9%	46.1%	427.00		6.75
R0716-010	Aggregate Crusher 100t/hr	hr	0.0%	5.5%	94.5%	54.1%	45.9%	2,700.00		6.92
R0716-025	Aggregate Crusher 160-250t/hr	hr	0.0%	5.8%	94.2%	54.1%	45.9%	5,120.00		6.92
R0716-027	Aggregate Crusher 175-275t/hr	hr	0.0%	5.1%	94.9%	54.1%	45.9%	6,550.00		6.92
R0716-050	Aggregate Crusher 385-505t/hr	hr	0.0%	7.2%	92.8%	54.0%	46.0%	9,340.00		6.92
R0716-052	Aggregate Crusher 325-525t/hr	hr	0.0%	5.9%	94.1%	54.1%	45.9%	7,610.00		6.92
R0716-072	Aggregate Crusher 550-720t/hr	hr	0.0%	7.8%	92.2%	54.2%	45.8%	11,000.00		6.92
R0716-116	Aggregate Crusher 885-1160t/hr	hr	0.0%	12.1%	87.9%	53.9%	46.1%	12,500.00		6.92
4.08 Asphalt Work Equipment										
R0801-030	Asphalt Concrete Plant 30t/hr	hr	0.0%	21.8%	78.2%	53.5%	46.5%	1,000.00		3.79
R0802-025	Asphalt Paver/Finisher, 2.5m	hr	4.8%	2.8%	92.4%	52.0%	48.0%	1,610.00		5.50
R0802-040	Asphalt Paver/Finisher, 4.0m	hr	4.3%	4.0%	91.7%	52.5%	47.5%	1,820.00		5.50
R0802-047	Asphalt Paver/Finisher, 4.7m	hr	3.2%	4.3%	92.5%	53.1%	46.9%	2,420.00		5.50
R0804-030	Asphalt Distributor 3000 USG (11,000 Ltr)	day	8.3%	9.8%	81.9%	50.8%	49.2%	5,180.00		0.00
R0806-013	Asphalt Sprayer 1330 USG (5,000 Ltr)	day	8.2%	25.6%	66.2%	52.6%	47.4%	5,230.00		0.00
R0806-045	Asphalt Pavement Profiler	day	1.0%	10.6%	88.4%	55.0%	45.0%	42,300.00		0.00
R0810-025	Asphalt Repaver, 2.50-3.75m	day	0.6%	2.8%	96.6%	54.3%	45.7%	67,600.00		0.00
R0811-025	Asphalt Remixer, 2.50-3.75m	day	0.6%	2.8%	96.6%	54.3%	45.7%	68,600.00		0.00
4.09 Steel Work Equipment										
R0901-025	Welding Machine 250A	day	0.0%	39.8%	60.2%	58.6%	41.4%	588.00		0.00
R0901-050	Welding Machine 500A	day	0.0%	60.4%	39.6%	60.6%	39.4%	1,470.00		0.00
R0911-000	Bar Bender	day	0.0%	0.0%	100.0%	54.2%	45.8%	1,310.00		0.00
R0912-000	Electric Bar Cutter	day	0.0%	0.0%	100.0%	54.2%	45.8%	1,310.00		0.00
4.10 Generator, Pumps & Blowers										
R1001-015	Generator 11-15 kW	day	0.0%	21.1%	78.9%	56.6%	43.4%	883.00		0.00
R1001-020	Generator 16-20 kW	day	0.0%	20.8%	79.2%	56.4%	43.6%	1,210.00		0.00
R1001-030	Generator 21-30 kW	day	0.0%	25.9%	74.1%	57.0%	43.0%	1,460.00		0.00
R1001-040	Generator 31-40 kW	day	0.0%	31.7%	68.3%	57.9%	42.1%	1,590.00		0.00
R1001-050	Generator 41-50 kW	day	0.0%	33.9%	66.1%	57.9%	42.1%	1,860.00		0.00
R1001-100	Generator 51-100 kW	day	0.0%	46.6%	53.4%	59.3%	40.7%	2,690.00		0.00
R1001-150	Generator 101-150 kW	day	0.0%	52.2%	47.8%	59.9%	40.1%	3,610.00		0.00
R1001-200	Generator 151-200 kW	day	0.0%	47.6%	52.4%	59.4%	40.6%	5,280.00		0.00
R1001-250	Generator 201-250 kW	day	0.0%	46.5%	53.5%	59.3%	40.7%	6,750.00		0.00
R1001-300	Generator 251-300 kW	day	0.0%	47.5%	52.5%	59.4%	40.6%	7,940.00		0.00
R1001-350	Generator 301-350 kW	day	0.0%	50.3%	49.7%	59.7%	40.3%	8,750.00		0.00
R1001-400	Generator 351-400 kW	day	0.0%	49.2%	50.8%	59.4%	40.6%	10,200.00		0.00
R1002-160	Air Compressor 126-160 cfm (3.6-4.5m3/min)	day	0.0%	27.8%	72.2%	57.2%	42.8%	2,090.00		0.00
R1002-185	Air Compressor 161-185 cfm (4.6-5.2m3/min)	day	0.0%	33.4%	66.6%	57.9%	42.1%	2,390.00		0.00
R1002-250	Air Compressor 186-250 cfm (5.3-7.1m3/min)	day	0.0%	27.3%	72.7%	57.2%	42.8%	3,080.00		0.00
R1002-315	Air Compressor 251-315 cfm (7.1-8.9m3/min)	day	0.0%	31.7%	68.3%	57.8%	42.2%	3,330.00		0.00
R1002-330	Air Compressor 316-330 cfm (8.9-9.3m3/min)	day	0.0%	31.0%	69.0%	57.6%	42.4%	3,460.00		0.00
R1002-350	Air Compressor 331-350 cfm (9.4-9.9m3/min)	day	0.0%	31.9%	68.1%	57.8%	42.2%	3,710.00		0.00
R1002-450	Air Compressor 356-450 cfm (10.0-12.7m3/min)	day	0.0%	29.5%	70.5%	57.4%	42.6%	5,090.00		0.00

Item No.	Description	Unit	Unit Cost					Total (PP)	Remarks	Equipment Operation (hr/day)
			Component (%)							
			Labor	Material	Equipment	Foreign	Local			
R1002-500	Air Compressor 456-500 cfm (12.9-14.2m3/min)	day	0.0%	31.3%	68.7%	57.7%	42.3%	5,540.00		0.00
R1002-600	Air Compressor 501-600 cfm (14.2-17.0m3/min)	day	0.0%	26.8%	73.2%	57.2%	42.8%	7,650.00		0.00
R1004-051	Electric Water Pump 1 3/4 - 2 (44.5-50.8mm)	day	0.0%	10.5%	89.5%	54.0%	46.0%	114.00		0.00
R1004-102	Electric Water Pump 3 1/2 - 4 (88.9-101.6mm)	day	0.0%	27.7%	72.3%	53.1%	46.9%	195.00		0.00
R1004-203	Electric Water Pump 6 1/2 - 8 (165.1-203.2mm)	day	0.0%	32.4%	67.6%	52.9%	47.1%	481.00		0.00
R1005-132	Sump Pump 132 gal/min (500ltr/min) 10m head	day	0.0%	51.0%	49.0%	52.0%	48.0%	153.00		0.00
R1006-075	Mud Pump	day	0.0%	36.4%	63.6%	52.7%	47.3%	214.00		0.00
R1007-002	Power Unit (Jack), hydraulic, HP-2, pump cap. 7-9	day	0.0%	0.0%	100.0%	54.3%	45.7%	656.00		0.00
4.11 Road Maintenance Equipment										
R1101-002	Power Broom 2m	hr	20.5%	41.8%	37.7%	47.6%	52.4%	275.00		7.60
R1103-450	Water Wagon/Pump Truck 500-1000 gal (2200-4500 ltr)	hr	11.4%	24.5%	64.1%	50.7%	49.3%	546.00		6.00
4.15 Miscellaneous										
R1531-002	Hammer Drill	day	0.0%	0.0%	100.0%	54.3%	45.7%	118.00		0.00
R1561-000	Chainsaw	day	0.0%	0.0%	100.0%	54.2%	45.8%	198.00		0.00

8. Labor Cost

National Holidays = 9 days/year
 Work Days/Week = 6 days/week = (7 Weekdays - Sunday)
 Annual Paid Work Days = 304 days = 365 days / 7 days x Weekly Work Days - National Holidays
 Annual Rainy Days = 50.2 days/year = Daily Precipitation of 10mm and more
 Annual Workable Days = 263 days = [(365/7)week x Weekly work days / 365] x [(365-Holidays)/365] x [1-(Annual Rainy Days/365)] x 365 days
 Minimum Daily Wage = 228.50 PP/day = for non-agriculture labors (Establishment with total assets of 30 Million Pesos or more) in Region III Province = Bulacan

Leave (Paid Holidays) = 1.00 month/year
 Bonus = 1.00 month/year

Basic Daily Wage = Min. Daily Wage x Labor Cost Index
 Basic Monthly Salary = (Basic Daily Wage x Annual Paid Work Days) / 12 Months
 Social Contribution Shared by Employer = National Health Insurance Program (NHIP) + Social Security System (SSS)
 Leave (Paid Holidays) = 1.00 x Basic Monthly Salary
 Bonus = 1.00 x Basic Monthly Salary
 Annual Cost Paid by Employer = (Basic Monthly Salary + Allowances + NHIP + SSS) x 12 Months + Leave + Bonus
 Daily Labor Cost for Estimate = Annual Cost Paid by Employer / Annual Workable Days

Item No.	Description	Labor Cost Index	Basic Daily Wage	Basic Monthly Salary	Allowances	Leave (Paid Holidays)	Bonus	Social Contribution Shared by Employer			Annual Cost Paid by Employer	Daily Labor Cost for Estimate
			PP/day	PP/month	0.00%	PP/year	PP/year	NHIP	SSS	Total	PP/year	PP/day
L002	Foreman	1.80	411.30	10,420.00	0.00	10,420.00	10,420.00	125.00	350.00	475.00	151,580.00	576.00
L003	Operator	1.34	306.20	7,757.00	0.00	7,757.00	7,757.00	93.75	266.70	360.45	112,923.40	429.00
L004	Driver	1.17	267.30	6,772.00	0.00	6,772.00	6,772.00	81.25	233.30	314.55	98,582.60	375.00
L005	Carpenter	1.41	322.20	8,162.00	0.00	8,162.00	8,162.00	100.00	266.70	366.70	118,668.40	451.00
L006	Re-Bar Worker	1.28	292.50	7,410.00	0.00	7,410.00	7,410.00	87.50	250.00	337.50	107,790.00	410.00
L007	Masonry	1.47	335.90	8,509.00	0.00	8,509.00	8,509.00	106.25	283.30	389.55	123,800.60	471.00
L008	Blaster	1.66	379.30	9,609.00	0.00	9,609.00	9,609.00	118.75	316.70	435.45	139,751.40	531.00
L009	Welder	1.59	363.30	9,204.00	0.00	9,204.00	9,204.00	112.50	300.00	412.50	133,806.00	509.00
L010	Painter	1.40	319.90	8,104.00	0.00	8,104.00	8,104.00	100.00	266.70	366.70	117,856.40	448.00
L011	Mechanic	1.41	322.20	8,162.00	0.00	8,162.00	8,162.00	100.00	266.70	366.70	118,668.40	451.00
L012	Electrician	1.34	306.20	7,757.00	0.00	7,757.00	7,757.00	93.75	266.70	360.45	112,923.40	429.00
L019	Skilled Labor	1.28	292.50	7,410.00	0.00	7,410.00	7,410.00	87.50	250.00	337.50	107,790.00	410.00
L020	Unskilled Labor	1.00	228.50	5,789.00	0.00	5,789.00	5,789.00	68.75	200.00	268.75	84,271.00	320.00

Note) NHIP : National Health Insurance Program
 SSS : Social Security System

Minimum Wage

Source: Wage Order No. RBIII-09, Effective from Jan. 16, 2002
 National Wages and Productivity Commission, Department of Labor and Employment

Sector	Bulacan	Other Province
1. Non-Agriculture		
1.a Establishment with total assets of 30 Million or more	228.50	224.50
1.b Establishment with total assets of less than 30 Million	221.00	217.00
2. Agriculture		
2.a Plantation	194.50	194.50
2.b Non-Plantation	178.50	178.50
3. Private Hospitals		
3.a Establishment with 20 or more bed capacity	215.50	215.50
3.b Establishment with less than 20 bed capacity	200.50	200.50
4. Retail/Service		
4.a Establishment with 16 or more employees	213.50	213.50
4.b Establishment with less than 16 employees	199.50	199.50
5. Cottage/Handicraft	178.50	178.50

Bypass	Province	Minimum Wage
Plaridel	Bulacan	228.50
Cabanatuan	Nueva Ecija	224.50
San Jose		224.50

Social Contribution in Philippine

1) National Health Insurance Program (NHIP)

National Health Insurance Act (Art. X, RA 7875), effective from January 1, 2002

Monthly Salary Range	Salary Base (SB)	Monthly Contribution		
		Total = PS + ES	Personal Share (PS) = SBx1.25%	Employer Share (ES) = PS
0.00	3,499.99	3,000.00	75.00	37.50
3,500.00	3,999.99	3,500.00	87.50	43.75
4,000.00	4,499.99	4,000.00	100.00	50.00
4,500.00	4,999.99	4,500.00	112.50	56.25
5,000.00	5,499.99	5,000.00	125.00	62.50
5,500.00	5,999.99	5,500.00	137.50	68.75
6,000.00	6,499.99	6,000.00	150.00	75.00
6,500.00	6,999.99	6,500.00	162.50	81.25
7,000.00	7,499.99	7,000.00	175.00	87.50
7,500.00	7,999.99	7,500.00	187.50	93.75
8,000.00	8,499.99	8,000.00	200.00	100.00
8,500.00	8,999.99	8,500.00	212.50	106.25
9,000.00	9,499.99	9,000.00	225.00	112.50
9,500.00	9,999.99	9,500.00	237.50	118.75
10,000.00	and over	10,000.00	250.00	125.00

2) Social Security System (SSS)

SSC Resolution No. 900-s2001, effective from January 1, 2002

Range of Compensation	Monthly Salary Credit	Social Security			EC	Total Contribution		
		Employer	Employee	Total		Employer	Employee	Combined
1,000.00	1,249.99	50.70	33.30	84.00	10.00	60.70	33.30	94.00
1,250.00	1,749.99	76.00	50.00	126.00	10.00	86.00	50.00	136.00
1,750.00	2,249.99	101.30	66.70	168.00	10.00	111.30	66.70	178.00
2,250.00	2,749.99	126.70	83.30	210.00	10.00	136.70	83.30	220.00
2,750.00	3,249.99	152.00	100.00	252.00	10.00	162.00	100.00	262.00
3,250.00	3,749.99	177.30	116.70	294.00	10.00	187.30	116.70	304.00
3,750.00	4,249.99	202.70	133.30	336.00	10.00	212.70	133.30	346.00
4,250.00	4,749.99	228.00	150.00	378.00	10.00	238.00	150.00	388.00
4,750.00	5,249.99	253.30	166.70	420.00	10.00	263.30	166.70	430.00
5,250.00	5,749.99	278.70	183.30	462.00	10.00	288.70	183.30	472.00
5,750.00	6,249.99	304.00	200.00	504.00	10.00	314.00	200.00	514.00
6,250.00	6,749.99	329.30	216.70	546.00	10.00	339.30	216.70	556.00
6,750.00	7,249.99	354.70	233.30	588.00	10.00	364.70	233.30	598.00
7,250.00	7,749.99	380.00	250.00	630.00	10.00	390.00	250.00	640.00
7,750.00	8,249.99	405.30	266.70	672.00	10.00	415.30	266.70	682.00
8,250.00	8,749.99	430.70	283.30	714.00	10.00	440.70	283.30	724.00
8,750.00	9,249.99	456.00	300.00	756.00	10.00	466.00	300.00	766.00
9,250.00	9,749.99	481.30	316.70	798.00	10.00	491.30	316.70	808.00
9,750.00	10,249.99	506.70	333.30	840.00	10.00	516.70	333.30	850.00
10,250.00	10,749.99	532.00	350.00	882.00	10.00	542.00	350.00	892.00
10,750.00	11,249.99	557.30	366.70	924.00	10.00	567.30	366.70	934.00
11,250.00	11,749.99	582.70	383.30	966.00	10.00	592.70	383.30	976.00
11,750.00	12,249.99	608.00	400.00	1,008.00	10.00	618.00	400.00	1,018.00
12,250.00	12,749.99	633.30	416.70	1,050.00	10.00	643.30	416.70	1,060.00
12,750.00	13,249.99	658.70	433.30	1,092.00	10.00	668.70	433.30	1,102.00
13,250.00	13,749.99	684.00	450.00	1,134.00	10.00	694.00	450.00	1,144.00
13,750.00	14,249.99	709.30	466.70	1,176.00	10.00	719.30	466.70	1,186.00
14,250.00	14,749.99	734.70	483.30	1,218.00	10.00	744.70	483.30	1,228.00
14,750.00	over	760.00	500.00	1,260.00	10.00	770.00	500.00	1,270.00

Note) EC = Employee Compensation Contribution

9. Material Cost

Exchange Rate 1US\$ = 52.28 PP = 120.12 yen

Item No.	Description	Unit	Local Market Price (PP)	CIF Price	Local Portion	Import Tax		Value Added Tax		Total Price	Components			Foreign	Local	Tax	Remarks
				(PP)	(PP)	(%)	(PP)	(%)	(PP)		Foreign	Local	Tax				
	1. Fuel																
MO1005	Diesel Oil	ltr	12.10	7.87	2.35	10.0%	0.79	10.0%	1.10	12.10	65.0%	35.0%	15.6%	7.87	4.24	1.89	
MO1006	Gasoline	ltr	14.20	9.23	2.76	10.0%	0.92	10.0%	1.29	14.20	65.0%	35.0%	15.6%	9.23	4.97	2.21	
MO1007	Heavy Oil	ltr	9.77	6.35	1.90	10.0%	0.64	10.0%	0.89	9.77	65.0%	35.0%	15.6%	6.35	3.42	1.52	
MO1008	Lubricant	ltr	43.10	28.02	8.37	10.0%	2.80	10.0%	3.92	43.10	65.0%	35.0%	15.6%	28.02	15.09	6.72	
MO1009	Electric Supply	kWh	4.00	2.00	1.44	10.0%	0.20	10.0%	0.36	4.00	50.0%	50.0%	14.1%	2.00	2.00	0.56	
MO1010	Water Supply	m3	66.20	6.62	52.90	10.0%	0.66	10.0%	6.02	66.20	10.0%	90.0%	10.1%	6.62	59.58	6.68	
MO1015	Telecommunication Fare	min	1.00	0.45	0.41	10.0%	0.05	10.0%	0.09	1.00	45.0%	55.0%	13.6%	0.45	0.55	0.14	
MO1020	Propane Gas	kg	32.60	16.30	11.71	10.0%	1.63	10.0%	2.96	32.60	50.0%	50.0%	14.1%	16.30	16.30	4.59	
	2. Steel																
MO2001	Reinforcing Bars, Grade 40	kg	16.00	10.40	3.11	10.0%	1.04	10.0%	1.45	16.00	65.0%	35.0%	15.6%	10.40	5.60	2.49	
MO2002	Reinforcing Bars, Grade 60	kg	17.00	11.05	3.30	10.0%	1.11	10.0%	1.55	17.00	65.0%	35.0%	15.6%	11.05	5.95	2.65	
MO2011	Structural Steel (Round Bar, SS400)	kg	21.80	15.26	3.03	10.0%	1.53	10.0%	1.98	21.80	70.0%	30.0%	16.1%	15.26	6.54	3.51	
MO2012	Structural Steel (Flat Bar, SS400)	kg	22.70	15.89	3.16	10.0%	1.59	10.0%	2.06	22.70	70.0%	30.0%	16.1%	15.89	6.81	3.65	
MO2013	Structural Steel (H-Shape, SS400)	kg	17.60	12.32	2.45	10.0%	1.23	10.0%	1.60	17.60	70.0%	30.0%	16.1%	12.32	5.28	2.83	
MO2014	Structural Steel (Shapes, SS400)	kg	17.60	12.32	2.45	10.0%	1.23	10.0%	1.60	17.60	70.0%	30.0%	16.1%	12.32	5.28	2.83	
MO2015	Structural Steel (Plates, SS400)	kg	20.20	14.14	2.81	10.0%	1.41	10.0%	1.84	20.20	70.0%	30.0%	16.1%	14.14	6.06	3.25	
MO2016	Structural Steel (Plates SMA400W)	kg	39.00	29.25	3.28	10.0%	2.93	10.0%	3.55	39.00	75.0%	25.0%	16.6%	29.25	9.75	6.47	
MO2017	Structural Steel (Plates SMA490W)	kg	45.00	33.75	3.78	10.0%	3.38	10.0%	4.09	45.00	75.0%	25.0%	16.6%	33.75	11.25	7.47	
MO2018	Structural Steel (Plates SMA570W)	kg	62.50	46.88	5.26	10.0%	4.69	10.0%	5.68	62.50	75.0%	25.0%	16.6%	46.88	15.63	10.37	
MO2031	Steel Pipe	kg	23.90	16.73	3.32	10.0%	1.67	10.0%	2.17	23.90	70.0%	30.0%	16.1%	16.73	7.17	3.85	
MO2041	Steel Sheet Pile	kg	32.10	22.47	4.46	10.0%	2.25	10.0%	2.92	32.10	70.0%	30.0%	16.1%	22.47	9.63	5.17	
MO2061	Chain Link Wire Net	m2	168.00	117.60	23.37	10.0%	11.76	10.0%	15.27	168.00	70.0%	30.0%	16.1%	117.60	50.40	27.03	
MO2062	Barbed Wire	m	2.50	0.88	1.31	10.0%	0.09	10.0%	0.23	2.50	35.0%	65.0%	12.6%	0.88	1.63	0.31	
MO2071	High Tension Bolt M16	each	18.50	12.95	2.57	10.0%	1.30	10.0%	1.68	18.50	70.0%	30.0%	16.1%	12.95	5.55	2.98	
MO2072	High Tension Bolt M20	each	29.20	20.44	4.06	10.0%	2.04	10.0%	2.65	29.20	70.0%	30.0%	16.1%	20.44	8.76	4.70	
MO2073	High Tension Bolt M22	each	42.20	29.54	5.87	10.0%	2.95	10.0%	3.84	42.20	70.0%	30.0%	16.1%	29.54	12.66	6.79	
MO2074	High Tension Bolt M24	each	62.70	43.89	8.72	10.0%	4.39	10.0%	5.70	62.70	70.0%	30.0%	16.1%	43.89	18.81	10.09	
MO2301	Bolt M12x40	each	4.18	2.93	0.58	10.0%	0.29	10.0%	0.38	4.18	70.0%	30.0%	16.1%	2.93	1.25	0.67	
MO2351	Bolt M16x50	each	7.83	5.48	1.09	10.0%	0.55	10.0%	0.71	7.83	70.0%	30.0%	16.1%	5.48	2.35	1.26	
MO2359	Bolt M16x150	each	18.70	13.09	2.60	10.0%	1.31	10.0%	1.70	18.70	70.0%	30.0%	16.1%	13.09	5.61	3.01	
MO2410	Bolt M20x140	each	28.20	19.74	3.92	10.0%	1.97	10.0%	2.56	28.20	70.0%	30.0%	16.1%	19.74	8.46	4.54	
MO2501	Brass Plate	kg	228.00	159.60	31.71	10.0%	15.96	10.0%	20.73	228.00	70.0%	30.0%	16.1%	159.60	68.40	36.69	
MO2511	Stainless Plate	kg	135.00	94.50	18.78	10.0%	9.45	10.0%	12.27	135.00	70.0%	30.0%	16.1%	94.50	40.50	21.72	
	3. Aggregate, Concrete																
MO3001	Quarry Royalty (Borrow Soil)	m3	15.00	0.00	13.64	10.0%	0.00	10.0%	1.36	15.00	0.0%	100.0%	9.1%	0.00	15.00	1.36	
MO3002	Quarry Royalty (Sand, Pebbles))	m3	15.00	0.00	13.64	10.0%	0.00	10.0%	1.36	15.00	0.0%	100.0%	9.1%	0.00	15.00	1.36	
MO3003	Quarry Royalty (Aggregate)	m3	15.00	0.00	13.64	10.0%	0.00	10.0%	1.36	15.00	0.0%	100.0%	9.1%	0.00	15.00	1.36	
MO3004	Quarry Royalty (Gravel/Stone)	m3	15.00	0.00	13.64	10.0%	0.00	10.0%	1.36	15.00	0.0%	100.0%	9.1%	0.00	15.00	1.36	
MO3011	Portland Cement, ordinary	t	3,375.00	2,025.00	840.68	10.0%	202.50	10.0%	306.82	3,375.00	60.0%	40.0%	15.1%	2,025.00	1,350.00	509.32	
MO3401	Admixture	kg	118.00	82.60	16.41	10.0%	8.26	10.0%	10.73	118.00	70.0%	30.0%	16.1%	82.60	35.40	18.99	
MO3402	Non-shrink Admixture	kg	392.00	274.40	54.52	10.0%	27.44	10.0%	35.64	392.00	70.0%	30.0%	16.1%	274.40	117.60	63.08	
	4. Wood																
MO4001	Lumber	m3	14,800.00	1,480.00	11,826.55	10.0%	148.00	10.0%	1,345.45	14,800.00	10.0%	90.0%	10.1%	1,480.00	13,320.00	1,493.45	
MO4011	Plywood, 6x1200x2400	m2	80.00	8.00	63.93	10.0%	0.80	10.0%	7.27	80.00	10.0%	90.0%	10.1%	8.00	72.00	8.07	
	5. Temporary Material																
MO5001	Formwork Lumber, use 4 times	m3	3,700.00	185.00	3,160.14	10.0%	18.50	10.0%	336.36	3,700.00	5.0%	95.0%	9.6%	185.00	3,515.00	354.86	

Item No.	Description	Unit	Local Market Price (PP)	CIF Price (PP)	Local Portion (PP)	Import Tax		Value Added Tax		Total Price (PP)	Components			Foreign (PP)	Local (PP)	Tax (PP)	Remarks
						(%)	(PP)	(%)	(PP)		Foreign (%)	Local (%)	Tax (%)				
M05002	Formwork, Plywood 6x1200x2400, use 3 times	m2	27.00	1.35	23.06	10.0%	0.14	10.0%	2.45	27.00	5.0%	95.0%	9.6%	1.35	25.65	2.59	
M05031	Temporary Sheet Pile Depreciation	t·d	33.30	16.65	11.96	10.0%	1.67	10.0%	3.03	33.30	50.0%	50.0%	14.1%	16.65	16.65	4.69	
M05041	Temporary Steel Shapes Depreciation	t·d	31.30	15.65	11.24	10.0%	1.57	10.0%	2.85	31.30	50.0%	50.0%	14.1%	15.65	15.65	4.41	
M05051	Temporary Deck Plate Depreciation	m2·d	11.10	5.55	3.99	10.0%	0.56	10.0%	1.01	11.10	50.0%	50.0%	14.1%	5.55	5.55	1.56	
M05055	Temporary Pipe Railing Depreciation	m·d	1.33	0.67	0.48	10.0%	0.07	10.0%	0.12	1.33	50.0%	50.0%	14.1%	0.67	0.67	0.19	
M05061	Temporary Frame Support (Portal 914x1700)	day	1.53	0.77	0.55	10.0%	0.08	10.0%	0.14	1.53	50.0%	50.0%	14.1%	0.77	0.77	0.22	
M05062	Temporary Frame Support (Portal 1219x1700)	day	1.65	0.83	0.59	10.0%	0.08	10.0%	0.15	1.65	50.0%	50.0%	14.1%	0.83	0.83	0.23	
M05063	Temporary Frame Support (Portal 1219x1829)	day	2.31	1.16	0.83	10.0%	0.12	10.0%	0.21	2.31	50.0%	50.0%	14.1%	1.16	1.16	0.33	
M05064	Temporary Frame Support (bracing 914 x 1219)	day	0.59	0.30	0.21	10.0%	0.03	10.0%	0.05	0.59	50.0%	50.0%	14.1%	0.30	0.30	0.08	
M05065	Temporary Frame Support (bracing 1219 x 1219)	day	0.59	0.30	0.21	10.0%	0.03	10.0%	0.05	0.59	50.0%	50.0%	14.1%	0.30	0.30	0.08	
M05066	Temporary Frame Support (bracing 1829 x 1219)	day	0.59	0.30	0.21	10.0%	0.03	10.0%	0.05	0.59	50.0%	50.0%	14.1%	0.30	0.30	0.08	
6. Paint & Adhesive																	
M06001	Etching Primer for Steel	kg	274.00	178.10	53.18	10.0%	17.81	10.0%	24.91	274.00	65.0%	35.0%	15.6%	178.10	95.90	42.72	
M06003	Zinc Rich Primer for Steel	kg	374.00	243.10	72.59	10.0%	24.31	10.0%	34.00	374.00	65.0%	35.0%	15.6%	243.10	130.90	58.31	
M06011	Rustproof Lead Paint for Steel	kg	209.00	135.85	40.57	10.0%	13.59	10.0%	19.00	209.00	65.0%	35.0%	15.6%	135.85	73.15	32.59	
M06020	Silicon Alkyd Resin Paint for Steel	kg	250.00	162.50	48.52	10.0%	16.25	10.0%	22.73	250.00	65.0%	35.0%	15.6%	162.50	87.50	38.98	
M06021	Phenol Resin Paint for Steel	kg	272.00	176.80	52.79	10.0%	17.68	10.0%	24.73	272.00	65.0%	35.0%	15.6%	176.80	95.20	42.41	
M06022	Epoxy Resin Paint for Steel	kg	496.00	322.40	96.27	10.0%	32.24	10.0%	45.09	496.00	65.0%	35.0%	15.6%	322.40	173.60	77.33	
M06031	Emulsion Paint	kg	79.30	51.55	15.39	10.0%	5.15	10.0%	7.21	79.30	65.0%	35.0%	15.6%	51.55	27.76	12.36	
M06032	Polyvinyl Enamel Paint	kg	79.30	51.55	15.39	10.0%	5.15	10.0%	7.21	79.30	65.0%	35.0%	15.6%	51.55	27.76	12.36	
M06041	Road marking paint (White, solution type with glass beads 15~18%)	kg	62.70	40.76	12.17	10.0%	4.08	10.0%	5.70	62.70	65.0%	35.0%	15.6%	40.76	21.95	9.78	
M06042	Road marking paint (Yellow, solution type with glass beads 15~18%)	kg	64.60	41.99	12.54	10.0%	4.20	10.0%	5.87	64.60	65.0%	35.0%	15.6%	41.99	22.61	10.07	
7. Road Material																	
M07011	Prime Coat	t	22,635.00	14,712.75	4,393.25	10.0%	1,471.28	10.0%	2,057.73	22,635.00	65.0%	35.0%	15.6%	14,712.75	7,922.25	3,529.00	
M07012	Tack Coat	t	22,635.00	14,712.75	4,393.25	10.0%	1,471.28	10.0%	2,057.73	22,635.00	65.0%	35.0%	15.6%	14,712.75	7,922.25	3,529.00	
M07021	Asphalt Mixture	t	2,500.00	1,625.00	485.23	10.0%	162.50	10.0%	227.27	2,500.00	65.0%	35.0%	15.6%	1,625.00	875.00	389.77	
M07051	Rubberized Asphalt Agent	kg	24.40	15.86	4.74	10.0%	1.59	10.0%	2.22	24.40	65.0%	35.0%	15.6%	15.86	8.54	3.80	
M07052	Rubberized Asphalt	kg	18.70	12.16	3.63	10.0%	1.22	10.0%	1.70	18.70	65.0%	35.0%	15.6%	12.16	6.55	2.92	
M07101	Joint Filler (bituminous t=10mm)	m2	286.00	171.60	71.24	10.0%	17.16	10.0%	26.00	286.00	60.0%	40.0%	15.1%	171.60	114.40	43.16	
M07102	Joint Filler (bituminous t=12mm)	m2	343.00	205.80	85.44	10.0%	20.58	10.0%	31.18	343.00	60.0%	40.0%	15.1%	205.80	137.20	51.76	
M07103	Joint Filler (bituminous t=18mm)	m2	514.00	308.40	128.03	10.0%	30.84	10.0%	46.73	514.00	60.0%	40.0%	15.1%	308.40	205.60	77.57	
M07104	Joint Filler (bituminous t=20mm)	m2	571.00	342.60	142.23	10.0%	34.26	10.0%	51.91	571.00	60.0%	40.0%	15.1%	342.60	228.40	86.17	
M07107	Joint Filler (rubber foam t=20mm)	m2	1,500.00	900.00	373.64	10.0%	90.00	10.0%	136.36	1,500.00	60.0%	40.0%	15.1%	900.00	600.00	226.36	
M07111	Joint Sealant (10x10mm)	m	62.70	37.62	15.62	10.0%	3.76	10.0%	5.70	62.70	60.0%	40.0%	15.1%	37.62	25.08	9.46	
M07112	Joint Sealant (12x12mm)	m	75.20	45.12	18.73	10.0%	4.51	10.0%	6.84	75.20	60.0%	40.0%	15.1%	45.12	30.08	11.35	
M07113	Joint Sealant (18x18mm)	m	103.00	61.80	25.66	10.0%	6.18	10.0%	9.36	103.00	60.0%	40.0%	15.1%	61.80	41.20	15.54	
M07114	Joint Sealant (20x20mm)	m	115.00	69.00	28.65	10.0%	6.90	10.0%	10.45	115.00	60.0%	40.0%	15.1%	69.00	46.00	17.35	
M07117	Joint Sealant (liquid type)	kg	96.20	57.72	23.96	10.0%	5.77	10.0%	8.75	96.20	60.0%	40.0%	15.1%	57.72	38.48	14.52	
M07201	Traffic Sign Board (aluminum)	m2	13,800.00	8,970.00	2,678.45	10.0%	897.00	10.0%	1,254.55	13,800.00	65.0%	35.0%	15.6%	8,970.00	4,830.00	2,151.55	
M07271	Pedestrian Signal Lights (2 lamps)	set	47,400.00	26,070.00	14,413.91	10.0%	2,607.00	10.0%	4,309.09	47,400.00	55.0%	45.0%	14.6%	26,070.00	21,330.00	6,916.09	
M07272	Traffic Signal Lights (3 lamps)	set	99,900.00	54,945.00	30,378.68	10.0%	5,494.50	10.0%	9,081.82	99,900.00	55.0%	45.0%	14.6%	54,945.00	44,955.00	14,576.32	
M07273	Traffic Signal Lights (6 lamps)	set	186,000.00	102,300.00	56,560.91	10.0%	10,230.00	10.0%	16,909.09	186,000.00	55.0%	45.0%	14.6%	102,300.00	83,700.00	27,139.09	
M07401	Reflectorized Pavement Stud (one side reflective)	each	717.00	430.20	178.60	10.0%	43.02	10.0%	65.18	717.00	60.0%	40.0%	15.1%	430.20	286.80	108.20	

Item No.	Description	Unit	Local Market Price (PP)	CIF Price (PP)	Local Portion (PP)	Import Tax (%)		Value Added Tax (%)		Total Price (PP)	Components (%)			Foreign (PP)	Local (PP)	Tax (PP)	Remarks
M07402	Reflectorized Pavement Stud (two sides reflective)	each	776.00	465.60	193.29	10.0%	46.56	10.0%	70.55	776.00	60.0%	40.0%	15.1%	465.60	310.40	117.11	
M07405	Chatter Bar	each	1,740.00	1,044.00	433.42	10.0%	104.40	10.0%	158.18	1,740.00	60.0%	40.0%	15.1%	1,044.00	696.00	262.58	
M07501	Delineator, Type A (ground standing type)	each	1,450.00	870.00	361.18	10.0%	87.00	10.0%	131.82	1,450.00	60.0%	40.0%	15.1%	870.00	580.00	218.82	
M07502	Delineator, Type B (on concrete)	each	1,360.00	816.00	338.76	10.0%	81.60	10.0%	123.64	1,360.00	60.0%	40.0%	15.1%	816.00	544.00	205.24	
M07503	Delineator, Type C (on guardrail)	each	564.00	338.40	140.49	10.0%	33.84	10.0%	51.27	564.00	60.0%	40.0%	15.1%	338.40	225.60	85.11	
M07601	Road Curve Mirror ϕ 600	each	11,000.00	6,600.00	2,740.00	10.0%	660.00	10.0%	1,000.00	11,000.00	60.0%	40.0%	15.1%	6,600.00	4,400.00	1,660.00	
M07701	Removable Traffic Barrier	each	627.00	313.50	225.15	10.0%	31.35	10.0%	57.00	627.00	50.0%	50.0%	14.1%	313.50	313.50	88.35	
8. Water Supply & Drainage Material																	
M08301	PVC Pipe, ϕ 40	m	46.70	23.35	16.77	10.0%	2.34	10.0%	4.25	46.70	50.0%	50.0%	14.1%	23.35	23.35	6.58	
M08302	PVC Pipe, ϕ 50	m	66.70	33.35	23.95	10.0%	3.34	10.0%	6.06	66.70	50.0%	50.0%	14.1%	33.35	33.35	9.40	
M08303	PVC Pipe, ϕ 65	m	93.00	46.50	33.40	10.0%	4.65	10.0%	8.45	93.00	50.0%	50.0%	14.1%	46.50	46.50	13.10	
M08304	PVC Pipe, ϕ 75	m	183.00	91.50	65.71	10.0%	9.15	10.0%	16.64	183.00	50.0%	50.0%	14.1%	91.50	91.50	25.79	
M08310	PVC Pipe, ϕ 100	m	200.00	100.00	71.82	10.0%	10.00	10.0%	18.18	200.00	50.0%	50.0%	14.1%	100.00	100.00	28.18	
M08315	PVC Pipe, ϕ 150	m	432.00	216.00	155.13	10.0%	21.60	10.0%	39.27	432.00	50.0%	50.0%	14.1%	216.00	216.00	60.87	
M08320	PVC Pipe, ϕ 200	m	713.00	356.50	256.03	10.0%	35.65	10.0%	64.82	713.00	50.0%	50.0%	14.1%	356.50	356.50	100.47	
M08700	Steel Gas Pipe, ϕ 20	m	76.70	46.02	19.11	10.0%	4.60	10.0%	6.97	76.70	60.0%	40.0%	15.1%	46.02	30.68	11.57	
M08701	Steel Gas Pipe, ϕ 25	m	117.00	70.20	29.14	10.0%	7.02	10.0%	10.64	117.00	60.0%	40.0%	15.1%	70.20	46.80	17.66	
M08702	Steel Gas Pipe, ϕ 32	m	142.00	85.20	35.37	10.0%	8.52	10.0%	12.91	142.00	60.0%	40.0%	15.1%	85.20	56.80	21.43	
M08703	Steel Gas Pipe, ϕ 40	m	167.00	100.20	41.60	10.0%	10.02	10.0%	15.18	167.00	60.0%	40.0%	15.1%	100.20	66.80	25.20	
M08704	Steel Gas Pipe, ϕ 50	m	217.00	130.20	54.05	10.0%	13.02	10.0%	19.73	217.00	60.0%	40.0%	15.1%	130.20	86.80	32.75	
M08705	Steel Gas Pipe, ϕ 65	m	251.00	150.60	62.52	10.0%	15.06	10.0%	22.82	251.00	60.0%	40.0%	15.1%	150.60	100.40	37.88	
M08706	Steel Gas Pipe, ϕ 80	m	294.00	176.40	73.23	10.0%	17.64	10.0%	26.73	294.00	60.0%	40.0%	15.1%	176.40	117.60	44.37	
M08707	Steel Gas Pipe, ϕ 100	m	410.00	246.00	102.13	10.0%	24.60	10.0%	37.27	410.00	60.0%	40.0%	15.1%	246.00	164.00	61.87	
M08708	Steel Gas Pipe, ϕ 125	m	503.00	301.80	125.29	10.0%	30.18	10.0%	45.73	503.00	60.0%	40.0%	15.1%	301.80	201.20	75.91	
M08709	Steel Gas Pipe, ϕ 150	m	707.00	424.20	176.11	10.0%	42.42	10.0%	64.27	707.00	60.0%	40.0%	15.1%	424.20	282.80	106.69	
M08710	Steel Gas Pipe, ϕ 200	m	1,080.00	648.00	269.02	10.0%	64.80	10.0%	98.18	1,080.00	60.0%	40.0%	15.1%	648.00	432.00	162.98	
9. Bridge, River, Marine Material																	
M09001	Laminated Elastomeric Bearing Pad (400x300x50mm)	each	11,000.00	7,150.00	2,135.00	10.0%	715.00	10.0%	1,000.00	11,000.00	65.0%	35.0%	15.6%	7,150.00	3,850.00	1,715.00	
M09002	Laminated Elastomeric Bearing Pad (600x300x50mm)	each	15,800.00	10,270.00	3,066.64	10.0%	1,027.00	10.0%	1,436.36	15,800.00	65.0%	35.0%	15.6%	10,270.00	5,530.00	2,463.36	
M09003	Laminated Elastomeric Bearing Pad (600x350x50mm)	each	18,400.00	11,960.00	3,571.27	10.0%	1,196.00	10.0%	1,672.73	18,400.00	65.0%	35.0%	15.6%	11,960.00	6,440.00	2,868.73	
M09004	Laminated Elastomeric Bearing Pad (600x700x89mm)	each	66,600.00	43,290.00	12,926.45	10.0%	4,329.00	10.0%	6,054.55	66,600.00	65.0%	35.0%	15.6%	43,290.00	23,310.00	10,383.55	
M09005	Laminated Elastomeric Bearing Pad (600x400x50mm)	each	25,300.00	16,445.00	4,910.50	10.0%	1,644.50	10.0%	2,300.00	25,300.00	65.0%	35.0%	15.6%	16,445.00	8,855.00	3,944.50	
M09006	Laminated Elastomeric Bearing Pad (450x300x60mm)	each	14,200.00	9,230.00	2,756.09	10.0%	923.00	10.0%	1,290.91	14,200.00	65.0%	35.0%	15.6%	9,230.00	4,970.00	2,213.91	
M09007	Laminated Elastomeric Bearing Pad (550x300x50mm)	each	14,500.00	9,425.00	2,814.32	10.0%	942.50	10.0%	1,318.18	14,500.00	65.0%	35.0%	15.6%	9,425.00	5,075.00	2,260.68	
M09008	Laminated Elastomeric Bearing Pad (500x400x60mm)	each	21,100.00	13,715.00	4,095.32	10.0%	1,371.50	10.0%	1,918.18	21,100.00	65.0%	35.0%	15.6%	13,715.00	7,385.00	3,289.68	
M09011	Elastomeric Pad (t=25mm)	m2	12,800.00	8,320.00	2,484.36	10.0%	832.00	10.0%	1,163.64	12,800.00	65.0%	35.0%	15.6%	8,320.00	4,480.00	1,995.64	
M09012	Elastomeric Pad (t=40mm)	m2	20,500.00	13,325.00	3,978.86	10.0%	1,332.50	10.0%	1,863.64	20,500.00	65.0%	35.0%	15.6%	13,325.00	7,175.00	3,196.14	
M09013	Elastomeric Pad (t=50mm)	m2	25,700.00	16,705.00	4,988.14	10.0%	1,670.50	10.0%	2,336.36	25,700.00	65.0%	35.0%	15.6%	16,705.00	8,995.00	4,006.86	
M09104	Bearing Shoe (rubber enclosed type), 250t	each	291,000.00	203,700.00	40,475.45	10.0%	20,370.00	10.0%	26,454.55	291,000.00	70.0%	30.0%	16.1%	203,700.00	87,300.00	46,824.55	
M09106	Bearing Shoe (rubber enclosed type), 650t	each	764,000.00	534,800.00	106,265.45	10.0%	53,480.00	10.0%	69,454.55	764,000.00	70.0%	30.0%	16.1%	534,800.00	229,200.00	122,934.55	

Item No.	Description	Unit	Local Market Price (PP)	CIF Price	Local Portion	Import Tax		Value Added Tax		Total Price	Components			Foreign	Local	Tax	Remarks
				(PP)	(PP)	(%)	(PP)	(%)	(PP)		Foreign	Local	Tax				
M09108	Bearing Shoe (rubber enclosed type), 650t	each	764,000.00	534,800.00	106,265.45	10.0%	53,480.00	10.0%	69,454.55	764,000.00	70.0%	30.0%	16.1%	534,800.00	229,200.00	122,934.55	
M09197	Expansion Joint, Multiflex 35	m	21,700.00	14,105.00	4,211.77	10.0%	1,410.50	10.0%	1,972.73	21,700.00	65.0%	35.0%	15.6%	14,105.00	7,595.00	3,383.23	
M09198	Expansion Joint, Multiflex 50	m	39,200.00	25,480.00	7,608.36	10.0%	2,548.00	10.0%	3,563.64	39,200.00	65.0%	35.0%	15.6%	25,480.00	13,720.00	6,111.64	
M09199	Expansion Joint, Multiflex 70	m	56,400.00	36,660.00	10,946.73	10.0%	3,666.00	10.0%	5,127.27	56,400.00	65.0%	35.0%	15.6%	36,660.00	19,740.00	8,793.27	
M09200	Expansion Joint, Multiflex 80	m	64,600.00	41,990.00	12,538.27	10.0%	4,199.00	10.0%	5,872.73	64,600.00	65.0%	35.0%	15.6%	41,990.00	22,610.00	10,071.73	
M09201	Expansion Joint, Multiflex 100	m	74,400.00	48,360.00	14,440.36	10.0%	4,836.00	10.0%	6,763.64	74,400.00	65.0%	35.0%	15.6%	48,360.00	26,040.00	11,599.64	
M09202	Expansion Joint, Multiflex 140	m	93,800.00	60,970.00	18,205.73	10.0%	6,097.00	10.0%	8,527.27	93,800.00	65.0%	35.0%	15.6%	60,970.00	32,830.00	14,624.27	
M09203	Expansion Joint, Multiflex 160	m	107,000.00	69,550.00	20,767.73	10.0%	6,955.00	10.0%	9,727.27	107,000.00	65.0%	35.0%	15.6%	69,550.00	37,450.00	16,682.27	
M09204	Expansion Joint, Multiflex 200	m	122,000.00	79,300.00	23,679.09	10.0%	7,930.00	10.0%	11,090.91	122,000.00	65.0%	35.0%	15.6%	79,300.00	42,700.00	19,020.91	
M09205	Expansion Joint, Multiflex 230	m	141,000.00	91,650.00	27,366.82	10.0%	9,165.00	10.0%	12,818.18	141,000.00	65.0%	35.0%	15.6%	91,650.00	49,350.00	21,983.18	
M09206	Expansion Joint, Multiflex 330	m	250,000.00	162,500.00	48,522.73	10.0%	16,250.00	10.0%	22,727.27	250,000.00	65.0%	35.0%	15.6%	162,500.00	87,500.00	38,977.27	
M09305	PC Strand, T12.4	kg	110.00	77.00	15.30	10.0%	7.70	10.0%	10.00	110.00	70.0%	30.0%	16.1%	77.00	33.00	17.70	
M09306	PC Strand, T12.7	kg	113.00	79.10	15.72	10.0%	7.91	10.0%	10.27	113.00	70.0%	30.0%	16.1%	79.10	33.90	18.18	
M09307	PC Strand, T15.2	kg	119.00	83.30	16.55	10.0%	8.33	10.0%	10.82	119.00	70.0%	30.0%	16.1%	83.30	35.70	19.15	
M09313	PC Tendon, φ32	kg	136.00	95.20	18.92	10.0%	9.52	10.0%	12.36	136.00	70.0%	30.0%	16.1%	95.20	40.80	21.88	
M09322	PC Sheath, φ28	m	52.20	33.93	10.13	10.0%	3.39	10.0%	4.75	52.20	65.0%	35.0%	15.6%	33.93	18.27	8.14	
M09331	PC Sheath, φ60	m	115.00	74.75	22.32	10.0%	7.48	10.0%	10.45	115.00	65.0%	35.0%	15.6%	74.75	40.25	17.93	
M09332	PC Sheath, φ65	m	123.00	79.95	23.87	10.0%	8.00	10.0%	11.18	123.00	65.0%	35.0%	15.6%	79.95	43.05	19.18	
M09333	PC Sheath, φ70	m	134.00	87.10	26.01	10.0%	8.71	10.0%	12.18	134.00	65.0%	35.0%	15.6%	87.10	46.90	20.89	
M09334	PC Sheath, φ75	m	150.00	97.50	29.11	10.0%	9.75	10.0%	13.64	150.00	65.0%	35.0%	15.6%	97.50	52.50	23.39	
M09344	PC Anchorage, 110,130t 7T13M (T)	set	5,030.00	3,772.50	422.98	10.0%	377.25	10.0%	457.27	5,030.00	75.0%	25.0%	16.6%	3,772.50	1,257.50	834.52	
M09345	PC Anchorage, 130,150t 8T13M (T)	set	5,790.00	4,342.50	486.89	10.0%	434.25	10.0%	526.36	5,790.00	75.0%	25.0%	16.6%	4,342.50	1,447.50	960.61	
M09346	PC Anchorage 195,225t 12T13M (T)	set	8,040.00	6,030.00	676.09	10.0%	603.00	10.0%	730.91	8,040.00	75.0%	25.0%	16.6%	6,030.00	2,010.00	1,333.91	
M09348	PC Anchorage 30t 1T15.2 (T)	set	828.00	621.00	69.63	10.0%	62.10	10.0%	75.27	828.00	75.0%	25.0%	16.6%	621.00	207.00	137.37	
M09354	PC Anchorage φ32 (T)	set	1,250.00	937.50	105.11	10.0%	93.75	10.0%	113.64	1,250.00	75.0%	25.0%	16.6%	937.50	312.50	207.39	
M09364	PC Anchorage 110,130t 7T13E (F)	set	7,330.00	5,497.50	616.39	10.0%	549.75	10.0%	666.36	7,330.00	75.0%	25.0%	16.6%	5,497.50	1,832.50	1,216.11	
M09365	PC Anchorage 130,150t 8T13E (F)	set	7,950.00	5,962.50	668.52	10.0%	596.25	10.0%	722.73	7,950.00	75.0%	25.0%	16.6%	5,962.50	1,987.50	1,318.98	
M09366	PC Anchorage 195,225t 12T13E (F)	set	10,600.00	7,950.00	891.36	10.0%	795.00	10.0%	963.64	10,600.00	75.0%	25.0%	16.6%	7,950.00	2,650.00	1,758.64	
M09368	PC Anchorage 30t 1T15.2 (F)	set	1,070.00	802.50	89.98	10.0%	80.25	10.0%	97.27	1,070.00	75.0%	25.0%	16.6%	802.50	267.50	177.52	
M09374	PC Anchorage φ32 (F)	set	1,520.00	1,140.00	127.82	10.0%	114.00	10.0%	138.18	1,520.00	75.0%	25.0%	16.6%	1,140.00	380.00	252.18	
M09602	Gabion Cage 500x1000x2000	each	710.00	213.00	411.15	10.0%	21.30	10.0%	64.55	710.00	30.0%	70.0%	12.1%	213.00	497.00	85.85	
M09605	Gabion Mat Cage H=300mm	m2	617.00	185.10	357.30	10.0%	18.51	10.0%	56.09	617.00	30.0%	70.0%	12.1%	185.10	431.90	74.60	
10. Common Material																	
M10201	Waterproofing sheet	m2	460.00	276.00	114.58	10.0%	27.60	10.0%	41.82	460.00	60.0%	40.0%	15.1%	276.00	184.00	69.42	
M10202	Filter Cloth	m2	82.30	49.38	20.50	10.0%	4.94	10.0%	7.48	82.30	60.0%	40.0%	15.1%	49.38	32.92	12.42	
M10211	Waterstop	m	282.00	169.20	70.24	10.0%	16.92	10.0%	25.64	282.00	60.0%	40.0%	15.1%	169.20	112.80	42.56	
M10301	Styrofoam	m3	5,180.00	3,108.00	1,290.29	10.0%	310.80	10.0%	470.91	5,180.00	60.0%	40.0%	15.1%	3,108.00	2,072.00	781.71	
11. Landscaping Material																	
M11001	Tree H=0.5m	each	110.00	7.70	91.53	10.0%	0.77	10.0%	10.00	110.00	7.0%	93.0%	9.8%	7.70	102.30	10.77	
M11002	Tree H=1m	each	215.00	15.05	178.90	10.0%	1.51	10.0%	19.55	215.00	7.0%	93.0%	9.8%	15.05	199.95	21.05	
M11003	Tree H=1.5m	each	503.00	35.21	418.54	10.0%	3.52	10.0%	45.73	503.00	7.0%	93.0%	9.8%	35.21	467.79	49.25	
M11004	Tree H=2m	each	838.00	58.66	697.29	10.0%	5.87	10.0%	76.18	838.00	7.0%	93.0%	9.8%	58.66	779.34	82.05	
M11005	Tree H=2.5m	each	1,270.00	88.90	1,056.76	10.0%	8.89	10.0%	115.45	1,270.00	7.0%	93.0%	9.8%	88.90	1,181.10	124.34	
M11006	Tree H=3m	each	2,630.00	184.10	2,188.40	10.0%	18.41	10.0%	239.09	2,630.00	7.0%	93.0%	9.8%	184.10	2,445.90	257.50	
M11111	Sod	m2	29.40	2.06	24.46	10.0%	0.21	10.0%	2.67	29.40	7.0%	93.0%	9.8%	2.06	27.34	2.88	
12. Architectural Material																	
M12001	Brick 2"x4"x8" (50x100x200mm)	each	5.50	0.83	4.09	10.0%	0.08	10.0%	0.50	5.50	15.0%	85.0%	10.6%	0.83	4.68	0.58	
M12011	Concrete Hollow Block (load bearing) 4"x8"x16" (100x200x400mm)	each	10.00	2.50	6.34	10.0%	0.25	10.0%	0.91	10.00	25.0%	75.0%	11.6%	2.50	7.50	1.16	
M12012	Concrete Hollow Block (load bearing) 6"x8"x16" (150x200x400mm)	each	12.00	3.00	7.61	10.0%	0.30	10.0%	1.09	12.00	25.0%	75.0%	11.6%	3.00	9.00	1.39	

Item No.	Description	Unit	Local Market Price (PP)	CIF Price (PP)	Local Portion (PP)	Import Tax		Value Added Tax		Total Price (PP)	Components			Foreign (PP)	Local (PP)	Tax (PP)	Remarks
						(%)	(PP)	(%)	(PP)		Foreign (%)	Local (%)	Tax (%)				
M12013	Concrete Hollow Block (non load) 4"x8"x16" (100x200x400mm)	each	6.50	1.63	4.12	10.0%	0.16	10.0%	0.59	6.50	25.0%	75.0%	11.6%	1.63	4.88	0.75	
M12014	Concrete Hollow Block (non load) 6"x8"x16" (150x200x400mm)	each	7.50	1.88	4.76	10.0%	0.19	10.0%	0.68	7.50	25.0%	75.0%	11.6%	1.88	5.63	0.87	
M12051	Unslazed Tile 200x200mm	each	21.20	8.48	9.94	10.0%	0.85	10.0%	1.93	21.20	40.0%	60.0%	13.1%	8.48	12.72	2.78	
M12101	Chain Link Fence Fabric	m	1,460.00	730.00	524.27	10.0%	73.00	10.0%	132.73	1,460.00	50.0%	50.0%	14.1%	730.00	730.00	205.73	
M12111	Galvanized Iron Sheet, colored	m2	118.00	70.80	29.39	10.0%	7.08	10.0%	10.73	118.00	60.0%	40.0%	15.1%	70.80	47.20	17.81	
M12112	Corrugated Galvanized Iron Sheet, colored	m2	122.00	73.20	30.39	10.0%	7.32	10.0%	11.09	122.00	60.0%	40.0%	15.1%	73.20	48.80	18.41	
M12211	Insulation, Grasswool	m2	57.00	31.35	17.33	10.0%	3.14	10.0%	5.18	57.00	55.0%	45.0%	14.6%	31.35	25.65	8.32	
M12221	Gypsum Board Ceiling	m2	137.00	75.35	41.66	10.0%	7.54	10.0%	12.45	137.00	55.0%	45.0%	14.6%	75.35	61.65	19.99	
M12251	Steel Door with Steel Panels 900x2100mm	each	5,530.00	2,488.50	2,289.92	10.0%	248.85	10.0%	502.73	5,530.00	45.0%	55.0%	13.6%	2,488.50	3,041.50	751.58	
M12252	Flush Type Hollow Core Door with 6mm thick ordinary plywood 800x2100mm	each	2,500.00	500.00	1,722.73	10.0%	50.00	10.0%	227.27	2,500.00	20.0%	80.0%	11.1%	500.00	2,000.00	277.27	
M12253	Flush Type Hollow Core Door with 6mm thick marine plywood 600x2100mm	each	1,870.00	374.00	1,288.60	10.0%	37.40	10.0%	170.00	1,870.00	20.0%	80.0%	11.1%	374.00	1,496.00	207.40	
M12261	Jalousie Window with Steel Blades 2100x1500mm	each	6,750.00	3,037.50	2,795.11	10.0%	303.75	10.0%	613.64	6,750.00	45.0%	55.0%	13.6%	3,037.50	3,712.50	917.39	
M12262	Jalousie Window with Steel Blades 3900x1500mm	each	12,500.00	5,625.00	5,176.14	10.0%	562.50	10.0%	1,136.36	12,500.00	45.0%	55.0%	13.6%	5,625.00	6,875.00	1,698.86	
M12263	Jalousie Window with Steel Blades 1400x900	each	2,640.00	1,188.00	1,093.20	10.0%	118.80	10.0%	240.00	2,640.00	45.0%	55.0%	13.6%	1,188.00	1,452.00	358.80	
M12264	Jalousie Window with Steel Blades 820x250	each	458.00	206.10	189.65	10.0%	20.61	10.0%	41.64	458.00	45.0%	55.0%	13.6%	206.10	251.90	62.25	
M12271	Floor Drain	each	266.00	119.70	110.15	10.0%	11.97	10.0%	24.18	266.00	45.0%	55.0%	13.6%	119.70	146.30	36.15	
M12272	Urinal	each	2,310.00	1,270.50	702.45	10.0%	127.05	10.0%	210.00	2,310.00	55.0%	45.0%	14.6%	1,270.50	1,039.50	337.05	
M12273	Toilet Stool	each	5,110.00	2,810.50	1,553.90	10.0%	281.05	10.0%	464.55	5,110.00	55.0%	45.0%	14.6%	2,810.50	2,299.50	745.60	
M12274	Lavatory Wash Basin	each	2,920.00	1,606.00	887.95	10.0%	160.60	10.0%	265.45	2,920.00	55.0%	45.0%	14.6%	1,606.00	1,314.00	426.05	
M12275	Shower	each	2,120.00	1,060.00	761.27	10.0%	106.00	10.0%	192.73	2,120.00	50.0%	50.0%	14.1%	1,060.00	1,060.00	298.73	
M12276	Shower Drain	each	343.00	154.35	142.03	10.0%	15.44	10.0%	31.18	343.00	45.0%	55.0%	13.6%	154.35	188.65	46.62	
M12277	Clean Out	each	319.00	143.55	132.10	10.0%	14.36	10.0%	29.00	319.00	45.0%	55.0%	13.6%	143.55	175.45	43.36	
M12278	Sink (1 basin with table)	each	6,230.00	2,803.50	2,579.79	10.0%	280.35	10.0%	566.36	6,230.00	45.0%	55.0%	13.6%	2,803.50	3,426.50	846.71	
M12279	Kitchen Sink (1 basin + flat with table)	each	9,010.00	4,054.50	3,730.96	10.0%	405.45	10.0%	819.09	9,010.00	45.0%	55.0%	13.6%	4,054.50	4,955.50	1,224.54	
13. Electrical Material																	
M13001	Street Lighting Fixture (110~400W)	each	7,920.00	4,752.00	1,972.80	10.0%	475.20	10.0%	720.00	7,920.00	60.0%	40.0%	15.1%	4,752.00	3,168.00	1,195.20	
M13011	Street Lighting Stabilizer	each	2,600.00	1,690.00	504.64	10.0%	169.00	10.0%	236.36	2,600.00	65.0%	35.0%	15.6%	1,690.00	910.00	405.36	
M13021	Street Lighting Lamp	each	1,320.00	792.00	328.80	10.0%	79.20	10.0%	120.00	1,320.00	60.0%	40.0%	15.1%	792.00	528.00	199.20	
M13051	Electric Cable	m	62.30	34.27	18.94	10.0%	3.43	10.0%	5.66	62.30	55.0%	45.0%	14.6%	34.27	28.04	9.09	
M13052	Electric Conduit	m	67.90	30.56	28.12	10.0%	3.06	10.0%	6.17	67.90	45.0%	55.0%	13.6%	30.56	37.35	9.23	
M13061	Lighting Panel for Street Lights	each	20,300.00	11,165.00	6,173.05	10.0%	1,116.50	10.0%	1,845.45	20,300.00	55.0%	45.0%	14.6%	11,165.00	9,135.00	2,961.95	
M13071	Electric Service Meter for Street Lighting	each	3,800.00	2,470.00	737.55	10.0%	247.00	10.0%	345.45	3,800.00	65.0%	35.0%	15.6%	2,470.00	1,330.00	592.45	
M13131	Ceiling Lamp, 40W 220V Fluorescent Lighting Fixtures, Box Type	each	496.00	297.60	123.55	10.0%	29.76	10.0%	45.09	496.00	60.0%	40.0%	15.1%	297.60	198.40	74.85	
M13141	Ceiling Lamp, SL-18 with Hexless Type, Medium Base Porcelain Receptacle	each	172.00	103.20	42.84	10.0%	10.32	10.0%	15.64	172.00	60.0%	40.0%	15.1%	103.20	68.80	25.96	
M13151	One-way Wall Switch	each	30.50	16.78	9.27	10.0%	1.68	10.0%	2.77	30.50	55.0%	45.0%	14.6%	16.78	13.73	4.45	
M13152	2 One-way Wall Switches on one Gang Plate	each	80.50	44.28	24.48	10.0%	4.43	10.0%	7.32	80.50	55.0%	45.0%	14.6%	44.28	36.23	11.75	
M13153	3 One-way Wall Switches on one Gang Plate	each	103.00	56.65	31.32	10.0%	5.67	10.0%	9.36	103.00	55.0%	45.0%	14.6%	56.65	46.35	15.03	

Item No.	Description	Unit	Local Market Price (PP)	CIF Price	Local Portion	Import Tax		Value Added Tax		Total Price	Components			Foreign	Local	Tax	Remarks
				(PP)	(PP)	(%)	(PP)	(%)	(PP)		(PP)	Foreign (%)	Local (%)	Tax (%)			
M13154	Duplex Convenience Outlet, Grounding Type	each	80.50	44.28	24.48	10.0%	4.43	10.0%	7.32	80.50	55.0%	45.0%	14.6%	44.28	36.23	11.75	
M13155	Heavy Duty Convenience Outlets, Single Grounding Type	each	129.00	70.95	39.23	10.0%	7.10	10.0%	11.73	129.00	55.0%	45.0%	14.6%	70.95	58.05	18.82	
M13156	Air Conditioning Outlet Grounding Type with Automatic Circuit Breaker in One Enclosure	each	694.00	381.70	211.04	10.0%	38.17	10.0%	63.09	694.00	55.0%	45.0%	14.6%	381.70	312.30	101.26	
M13157	Enclosed Automatic Circuit Breaker	each	8,190.00	5,323.50	1,589.60	10.0%	532.35	10.0%	744.55	8,190.00	65.0%	35.0%	15.6%	5,323.50	2,866.50	1,276.90	
M13158	Distribution Panel Board	each	12,100.00	7,260.00	3,014.00	10.0%	726.00	10.0%	1,100.00	12,100.00	60.0%	40.0%	15.1%	7,260.00	4,840.00	1,826.00	
M13159	Pull Box or Junction Box	each	1,040.00	624.00	259.05	10.0%	62.40	10.0%	94.55	1,040.00	60.0%	40.0%	15.1%	624.00	416.00	156.95	
M13160	Electric Service Meter	each	3,610.00	2,346.50	700.67	10.0%	234.65	10.0%	328.18	3,610.00	65.0%	35.0%	15.6%	2,346.50	1,263.50	562.83	
M13161	Concealed or Embedded Conduit Run	m	7.52	3.76	2.70	10.0%	0.38	10.0%	0.68	7.52	50.0%	50.0%	14.1%	3.76	3.76	1.06	
M13162	Underground or Underfloor Conduit Run	m	34.00	17.00	12.21	10.0%	1.70	10.0%	3.09	34.00	50.0%	50.0%	14.1%	17.00	17.00	4.79	
M13163	Perimeter Lighting, 160W 220V Mercury Lamp	each	909.00	545.40	226.42	10.0%	54.54	10.0%	82.64	909.00	60.0%	40.0%	15.1%	545.40	363.60	137.18	
M13164	Galvanized Steel Lighting Post H=3.5m	each	4,670.00	2,802.00	1,163.25	10.0%	280.20	10.0%	424.55	4,670.00	60.0%	40.0%	15.1%	2,802.00	1,868.00	704.75	
M13165	Underground or Underfloor Conduit Run	m	58.40	35.04	14.55	10.0%	3.50	10.0%	5.31	58.40	60.0%	40.0%	15.1%	35.04	23.36	8.81	
	15. Other Materials																
M15101	Film ASA 400 x 36	each	169.00	118.30	23.51	10.0%	11.83	10.0%	15.36	169.00	70.0%	30.0%	16.1%	118.30	50.70	27.19	
M15102	Film Development	each	45.00	6.75	33.48	10.0%	0.68	10.0%	4.09	45.00	15.0%	85.0%	10.6%	6.75	38.25	4.77	
M15103	Picture Prints	each	6.00	0.90	4.46	10.0%	0.09	10.0%	0.55	6.00	15.0%	85.0%	10.6%	0.90	5.10	0.64	

10. Equipment Operation Cost Based On Rental Cost

Exchange Rate (US\$ = 52.28 PP = 120.12 yen

1) Operated Hour and Bare Month Rental Costs are based on "Equipment Guide Book" Association of Carriers and Equipment Lessors (ACEL), INC. Nov. 1998.

Summary of Terms and Condition of Rental Cost and consideration.

	Operated Equipment Rental Contract		Bare Equipment Rental Contract (Month to Month Contract)
	Day to Day Contract	Month to Month Contract	
Minimum Charge	Min. 10 hours/day (operating and/or standby) for the first shift + actual operating hour for succeeding shift	Min. 200 hours/month for the first month + actual operation hours	Min. 200 hours/month (use or non-use)
Charge in case of idle due to lack of fuel/lubricant	10 hours/day	8 hours/day	-
Charge in case of non usage (Standby or waiting)	Minimum daily rental or monthly	Minimum daily rental or monthly	-
Charge in case of Unworkable Conditions	500.00 PP/day or 2 hour rental whichever is higher	500.00 PP/day or 2 hour rental whichever is higher	-
Operation on holidays and Sundays		min. 8 hours/day will be charged	min. 8 hours/day will be charged
Charged Period	Duration between leaving from and returning to Lessor's yard.	Duration between leaving from and returning to Lessor's yard.	Duration between leaving from and returning to Lessor's yard.
Mobilization	Not included (Lessee)	Not included (Lessee)	Not included (Lessee)
Operator	Included (Lessor)	Included (Lessor)	Not included (Lessee)
Maintenance	Included (Lessor)	Included (Lessor)	Not included (Lessee)
Fuel	Included (Lessor) but the price differential with Metro Manila shall be borne by Lessee	Included (Lessor) but the price differential with Metro Manila shall be borne by Lessee	Not included (Lessee)
Project outside Metro Manila	Min. 2% extra outside Metro Manila	Min. 2% extra outside Metro Manila	Case to case basis depending on the proximity or isolation of the project from Metro Manila
Monthly Rental Cost	(Hourly Cost x 10 hr x 30 days) x 1.02 (for outside Metro Manila) = 306 x Hourly Cost	(Hourly Cost x 200 hr) x 1.02 (for outside Metro Manila) = 204 x Hourly Cost	Bare Monthly Cost x 1.02 (for outside Metro Manila) = 1.02 x Bare Month Cost
Hourly Operation Cost	Monthly Rental Cost / Working days / Daily Operation Hour	Monthly Rental Cost / Working days / Daily Operation Hour	Monthly Rental Cost / Working days / Daily Operation Hour + Operator + Maintenance + Fuel
Consideration	Not to be considered as obviously more expensive than Month to Month Contract.	To be compared with Bare Month Contract.	To be compared with Month to Month Contract by hourly rental cost.

Therefore, Month to Month Contract based on Operated Equipment Rental Contract and Month to Month Contract based on Bare Equipment Rental Contract will be compared and whichever the lesser will be adopted for cost estimation.

2) Hourly (or Daily) Operation Cost based on Month to Month Operated Equipment Rental Contract is calculated considering the extra out of Metro Manila, standard monthly operation hours and operation days.

Minimum charged hours per month = 200 hrs
Extra outside Metro Manila = 2%

Hourly (or Daily) Operation Cost = $\frac{\text{Operated Hour Rental Cost} \times 200 \text{ hr} \times 1.02}{\text{Monthly Operation Hours (or Monthly Operation Days)}}$

3) Hourly (or Daily) Operation Cost based on Bare Equipment Rental Contract is calculated considering the standard monthly operation hours, operation days, maintenance cost and fuel costs borne by the lessee.

Extra outside Metro Manila = 2%

Hourly (or Daily) Operation Cost = $\frac{\text{Bare Month Rental Cost} \times 1.02 \times (1 + \text{Maintenance Rate})}{\text{Monthly Operation Hours (or Monthly Operation Days)}}$ + Operator/Driver Cost + Fuel Consumption Cost

Operator/Driver Cost = $\frac{\text{Daily Operator/Driver Cost} \times \text{Monthly Working Days}}{\text{Standard Monthly Operation Hours (or Days)}}$

Fuel Consumption Cost = Equipment Power x Hourly Fuel Consumption rate (for daily cost: x Operation Hours per Working Day)

Daily operation hours to calculate the daily fuel consumption cost is taken as 6.00 hours

4) The equipment shall be operated by operator having special license, driver with ordinary license and skilled labor depending on the equipment.

429.00 PP/day
375.00 PP/day
410.00 PP/day

5) Fuel Consumption Rates are based on Japanese Cost Estimation Standard.

Fuel	D	: Diesel	12.10 PP/ltr	Foreign	Local
E	: Electricity	4.00 PP/kWh		65.0%	35.0%
G	: Gasoline	14.20 PP/ltr		50.0%	50.0%
H	: Heavy Oil	9.77 PP/ltr		65.0%	35.0%

6) Mobilization and demobilization costs to and from the site are not included in the operation cost but to be considered in separate item.

7) Powers given in Horse Power (HP) in the Guide Book of ACEL are converted to kW by 1 HP = 0.75 kW.

8) Values marked with "*1)" are the equipment power assumed from Construction Equipment Data Book of Japan as not specified in ACEL Guide Book.

9) Values marked with "*2)" for Diesel Hammers are the run weight instead of power.

10) Standard Operation Hours per Working Day are derived from Construction Equipment Data Book of Japan

11) Standard Monthly Working Days and Operation Hours are calculated as follows:

National Holidays = 9 days/year
 Work Days/Week = 6 day/week = (7 Weekdays - Sunday)
 Annual Rainy Days = 50.2 days/year = (Daily Precipitation of 10mm and more)
 Annual Workable Days = 253 days = [(365/7)week x Weekly work days / 365] x [(365-Holidays)/365] x [1-(Annual Rainy Days/365)] x 365 days
 Monthly Working Days = 22 days = Annual Workable Days / 12 Months
 Monthly Operation Hours = Operation Hours per Working Day x Standard Monthly Operation Days

10) Maintenance Rates are assumed values.

11) Components of Labor, Material and Equipment are calculated by the following rules:

In case of Month to Month Contract with Operated Hour Rental Cost, all the cost are counted as Equipment Cost. That is,

Labor = 0%
 Material = 0%
 Equipment = 100%

In case of Bare Month Rental Cost, the components are calculated by the following rules

Labor = Operator/Driver Cost
 Material = Fuel Cost
 Equipment = Bare Month Rental Cost including maintenance cost and extra outside Metro Manila

12) Components of Foreign and Local are calculated on the basis that the foreign portions in bare rental cost, maintenance, operation and fuel cost are as assumed as in the following table and calculated as in the equation given below.

	Foreign Portion
Bare Month Rental Cost	55%
Maintenance Cost	20%
Operator/Driver Cost	0%
Fuel Cost	NE% as in material cost

Foreign Portion of Operation Cost = $\frac{\text{Bare Month Rental Cost} \times 1.02 \times (55.0\% + \text{Maintenance Rate} \times 20.0\%)}{\text{Monthly Operation Hours (or Monthly Operation Days)}} + \text{Operator/Driver Cost} \times 0.0\% + \text{Fuel Consumption Cost} \times \text{NE\%}$

No.	Item	Power	Weight	Operated Hour Rental Cost	Bare Month Rental Cost	Operation Hours per Working Day	Standard Monthly Operation Days	Standard Monthly Operation Hours	Maintenance Rate	Operator / Driver	Hourly Fuel Consumption			Unit	Hourly (or Daily) Operation Cost			Components (%)					Remarks	
											Type	Rate litr/kW-hr kWh/kW-hr	Amount litr/hr (kWh/hr)		Cost (PP/hr)	Based on Hourly Rental Cost	Based on Bare Month Rental Cost	Adopted Rental Cost	Labor	Material	Equip.	Foreign		Local
1. Excavation Equipment																								
R0101-015	Tractor, crawler w/dozer (Bulldozer, 15t)	92.5	14.60	1,933.00	268,806.00	5.27	22.0	115.94	2.0%	1,429.00	D	0.188	17.39	210.00	hr	3,400.00	2,700.00	2,700.00	3.0%	7.8%	89.2%	53.6%	46.4%	P39, Komatsu, GS3P-17 (P139)
R0101-021	Tractor, crawler w/dozer (Bulldozer, 21t)	149.0	20.67	3,623.00	521,919.00	6.58	22.0	144.76	2.0%	1,429.00	D	0.188	28.01	339.00	hr	5,110.00	4,160.00	4,160.00	1.6%	8.1%	90.3%	54.3%	45.7%	P38, Komatsu, DSSE-SS-2A (P142)
R0102-010	Backhoe, hydraulic, crawler, 0.11m3	26.0		577.00	71,535.00		22.0	0.00	2.0%	1,429.00	D	0.188	4.89	59.00	day	5,350.00	4,170.00	4,170.00	10.3%	8.5%	81.2%	49.6%	50.4%	P85, Komatsu, PC40-2
R0102-035	Backhoe, hydraulic, crawler, 0.35m3	45.0		908.00	119,377.00	5.47	22.0	120.34	2.0%	1,429.00	D	0.188	8.46	102.00	hr	1,540.00	1,210.00	1,210.00	6.5%	8.4%	85.1%	51.8%	48.2%	P84, Komatsu, PC80-1
R0102-061	Backhoe, hydraulic, crawler, 0.61m3	64.0		1,295.00	175,733.00	5.47	22.0	120.34	2.0%	1,429.00	D	0.188	12.03	146.00	hr	2,200.00	1,740.00	1,740.00	4.5%	8.4%	87.1%	52.9%	47.1%	P85, Mitsubishi, MS140
R0102-070	Backhoe, hydraulic, crawler, 0.70m3	72.0		1,534.00	205,396.00	5.47	22.0	120.34	2.0%	1,429.00	D	0.188	13.54	164.00	hr	2,600.00	2,020.00	2,020.00	3.9%	8.1%	88.0%	53.0%	47.0%	P82, IHI, IS-07
R0102-080	Backhoe, hydraulic, crawler, 0.80m3	79.0		1,766.00	239,680.00	5.47	22.0	120.34	2.0%	1,429.00	D	0.188	14.85	180.00	hr	2,990.00	2,330.00	2,330.00	3.4%	7.7%	88.9%	53.3%	46.7%	P84, Komatsu, PC200-2
2. Demolition Equipment																								
R0201-020	Rock Drill/Breaker 20cfn	3.8		-	29,671.00		22.0	0.00	2.0%	0.00			0.00	0.00	day	-	1,400.00	1,400.00	0.0%	0.0%	100.0%	54.4%	45.6%	P119, Pioneer 120
R0202-000	Crawler Drill			428.00	54,742.00	5.00	22.0	110.00	2.0%	0.00			0.00	0.00	hr	794.00	518.00	518.00	0.0%	0.0%	100.0%	54.3%	45.7%	P110, Ingersoll Rand 1M100/YD 90
R0204-020	Pneumatic Breaker, Handhold			-	9,660.00		22.0	0.00	2.0%	0.00			0.00	0.00	day	-	457.00	457.00	0.0%	0.0%	100.0%	54.3%	45.7%	P110, All Models
R0207-020	Chipping Hammer			-	14,035.00		22.0	0.00	2.0%	0.00			0.00	0.00	day	-	664.00	664.00	0.0%	0.0%	100.0%	54.3%	45.7%	P120, Stanley CH-18
3. Leveling & Connection Equipment																								
R0301-285	Motor Grader, 2.85m	63.8	7.95	1,693.00	215,873.00	5.22	22.0	114.84	2.0%	1,429.00	D	0.110	7.02	85.00	hr	3,010.00	2,120.00	2,120.00	3.9%	4.0%	92.1%	52.7%	47.3%	P62, Komatsu, GD305A-1 (P172)
R0301-371	Motor Grader, 3.71m	116.0	12.70	1,748.00	220,612.00	5.22	22.0	114.84	2.0%	1,429.00	D	0.110	12.76	154.00	hr	3,110.00	2,230.00	2,230.00	3.7%	6.9%	89.4%	53.2%	46.8%	P61, Komatsu, GD623A-1 (P173)
R0302-000	Soil Stabilizer/Road Reclaimer	*) 179.0		4,666.00	605,815.00	5.20	22.0	114.40	2.0%	1,429.00	D	0.113	20.23	245.00	hr	8,320.00	5,840.00	5,840.00	1.4%	4.2%	94.4%	54.0%	46.0%	P100, CAT SS250B 600/1985-1996
R0304-016	Four Tamping Foot Wheels (Tire Roller) 16t	128.0		1,583.00	182,216.00	5.00	22.0	110.00	2.0%	1,429.00	D	0.102	13.06	158.00	hr	2,940.00	1,970.00	1,970.00	4.4%	8.0%	87.6%	52.7%	47.3%	P63, Caterpillar R15
R0305-037	Vibratory Roller, combined, 3~4t	21.0	3.75	328.00	30,701.00	4.80	22.0	105.60	2.0%	1,429.00	D	0.155	3.26	39.00	hr	674.00	431.00	431.00	20.7%	9.0%	70.3%	44.0%	56.0%	P67, Komatsu, JV40
R0305-106	Vibratory Tandem Smooth Drum 10.6t																							
R0305-106	Vibration Roller, tandem, 8~10t	97.0	10.59	1,622.00	192,103.00	5.13	22.0	112.86	2.0%	1,429.00	D	0.155	15.04	182.00	hr	2,930.00	2,040.00	2,040.00	4.1%	8.9%	87.0%	52.9%	47.1%	P67, Komatsu, JV100WA-1 (P183)
R0306-006	Vibration Hammer, 6in	*) 3.0		85.00	1,697.00		22.0	0.00	2.0%	0.00	G	0.310	0.93	13.00	day	788.00	158.00	158.00	0.0%	49.4%	50.6%	59.7%	40.3%	P72, Stanley TA55
R0307-000	Plate Compactor	5.3		186.00	13,575.00		22.0	0.00	2.0%	0.00	G	0.310	1.64	23.00	day	1,720.00	780.00	780.00	0.0%	17.7%	82.3%	56.2%	43.8%	P72, All Makes 71P
4. Lifting Equipment																								
R0401-025	Crawler Crane, 21-25t	109.0		1,258.00	167,985.00	5.82	22.0	128.04	2.0%	1,429.00	D	0.095	10.36	125.00	hr	2,000.00	1,560.00	1,560.00	4.7%	8.0%	87.3%	52.7%	47.3%	P73, All Models
R0401-030	Crawler Crane, 26-30t	109.0		1,280.00	172,070.00	5.82	22.0	128.04	2.0%	1,429.00	D	0.095	10.36	125.00	hr	2,040.00	1,600.00	1,600.00	4.0%	7.8%	87.6%	52.5%	47.5%	P73, All Models
R0401-035	Crawler Crane, 31-35t	143.0		1,385.00	177,263.00	5.82	22.0	128.04	2.0%	1,429.00	D	0.095	13.59	164.00	hr	2,210.00	1,680.00	1,680.00	4.4%	9.8%	85.8%	52.9%	47.1%	P73, All Models
R0401-040	Crawler Crane, 36-40t	143.0		1,572.00	210,749.00	5.82	22.0	128.04	2.0%	1,429.00	D	0.095	13.59	164.00	hr	2,500.00	1,950.00	1,950.00	3.8%	8.4%	87.8%	53.2%	46.8%	P73, All Models
R0401-045	Crawler Crane, 41-45t	143.0		1,778.00	248,115.00	6.21	22.0	136.62	2.0%	1,429.00	D	0.095	13.59	164.00	hr	2,650.00	2,120.00	2,120.00	3.3%	7.7%	89.0%	53.4%	46.6%	P73, All Models

No.	Item	Power	Weight	Operated Hour Rental Cost	Base Month Rental Cost	Operation Hours per Working Day	Standard Monthly Operation Days	Standard Monthly Operation Hours	Main- tenance Rate	Operator / Driver	Hourly Fuel Consumption			Hourly (or Daily) Operation Cost			Components (%)					Remarks			
											Type	Rate liters/kW-hr kW-hr/kW-hr	Amount liters/hr (kW-hr/hr)	Cost (PP/hr)	Unit	Based on Hourly Rental Cost (PP)	Based on Base Month Rental Cost (PP)	Adopted Rental Cost (PP)	Labor	Material	Equip.		Foreign	Local	
R0401-050	Crawler Crane, 46-50t	143.0		2,041.00	295,584.00	6.21	22.0	136.62	2.0%	1	429.00	D	0.095	13.59	164.00	hr	3,050.00	2,480.00	2,480.00	2.8%	6.6%	90.6%	53.6%	46.4%	P73, All Models
R0401-060	Crawler Crane, 51-60t	206.0		2,296.00	315,376.00	6.21	22.0	136.62	2.0%	1	429.00	D	0.095	19.57	237.00	hr	3,430.00	2,710.00	2,710.00	2.5%	8.7%	88.8%	53.8%	46.2%	P73, All Models
R0402-005	Truck Crane, Hydraulic 2-5t	75.0		471.00	35,373.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	3.75	45.00	hr	765.00	413.00	413.00	18.2%	10.9%	70.9%	45.6%	54.4%	P75, All Models
R0402-010	Truck Crane, Hydraulic 6-10t	75.0		526.00	44,216.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	3.75	45.00	hr	854.00	486.00	486.00	15.5%	9.3%	75.2%	46.9%	53.1%	P75, All Models
R0402-015	Truck Crane, Hydraulic 11-15t	120.0		904.00	88,431.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	6.00	73.00	hr	1,470.00	881.00	881.00	8.5%	8.3%	83.2%	50.5%	49.5%	P75, All Models
R0402-020	Truck Crane, Hydraulic 16-20t	135.0		1,076.00	110,539.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	6.75	82.00	hr	1,750.00	1,070.00	1,070.00	7.0%	7.7%	85.3%	51.5%	48.5%	P75, All Models
R0402-025	Truck Crane, Hydraulic 21-25t	150.0		1,297.00	140,483.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	7.50	91.00	hr	2,110.00	1,330.00	1,330.00	5.6%	6.8%	87.6%	52.0%	48.0%	P75, All Models
R0402-030	Truck Crane, Hydraulic 26-30t	179.0		1,452.00	155,031.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	8.95	108.00	hr	2,360.00	1,470.00	1,470.00	5.1%	7.3%	87.6%	52.2%	47.8%	P75, All Models
R0402-035	Truck Crane, Hydraulic 31-35t	179.0		1,609.00	180,142.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	8.95	108.00	hr	2,610.00	1,680.00	1,680.00	4.5%	6.4%	89.1%	52.4%	47.6%	P75, All Models
R0402-040	Truck Crane, Hydraulic 36-40t	179.0		1,669.00	189,789.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	8.95	108.00	hr	2,710.00	1,750.00	1,750.00	4.3%	6.2%	89.5%	52.8%	47.2%	P75, All Models
R0402-045	Truck Crane, Hydraulic 41-45t	185.0		2,045.00	248,103.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	9.25	112.00	hr	3,320.00	2,240.00	2,240.00	3.4%	5.0%	91.6%	53.1%	46.9%	P75, All Models
R0402-050	Truck Crane, Hydraulic 46-50t	185.0		2,095.00	258,166.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	9.25	112.00	hr	3,400.00	2,330.00	2,330.00	3.2%	4.8%	92.0%	53.0%	47.0%	P75, All Models
R0402-060	Truck Crane, Hydraulic 51-60t	210.0		2,268.00	278,163.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	10.50	127.00	hr	3,690.00	2,510.00	2,510.00	3.0%	5.1%	91.9%	53.1%	46.9%	P75, All Models
R0402-070	Truck Crane, Hydraulic 61-70t	210.0		2,470.00	310,972.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	10.50	127.00	hr	4,010.00	2,780.00	2,780.00	2.7%	4.6%	92.7%	53.3%	46.7%	P75, All Models
R0402-080	Truck Crane, Hydraulic 71-80t	214.0		2,704.00	347,696.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	10.70	129.00	hr	4,390.00	3,080.00	3,080.00	2.4%	4.2%	93.4%	53.5%	46.5%	P75, All Models
R0402-090	Truck Crane, Hydraulic 81-90t	214.0		3,326.00	449,051.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	10.70	129.00	hr	5,400.00	3,920.00	3,920.00	1.9%	3.3%	94.8%	53.7%	46.3%	P75, All Models
R0402-100	Truck Crane, Hydraulic 91-100t	218.0		4,167.00	584,448.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	10.90	132.00	hr	6,770.00	5,050.00	5,050.00	1.5%	2.6%	95.9%	53.8%	46.2%	P75, All Models
R0402-120	Truck Crane, Hydraulic 101-120t	218.0		5,584.00	815,129.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	10.90	132.00	hr	9,070.00	6,960.00	6,960.00	1.1%	1.9%	97.0%	53.9%	46.1%	P75, All Models
R0402-140	Truck Crane, Hydraulic 121-140t	263.0		6,618.00	966,743.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	13.15	159.00	hr	10,700.00	8,240.00	8,240.00	0.9%	1.9%	97.2%	54.0%	46.0%	P75, All Models
R0402-160	Truck Crane, Hydraulic 141-160t	285.0		7,190.00	1,051,517.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	14.25	172.00	hr	11,700.00	8,960.00	8,960.00	0.8%	1.9%	97.3%	54.0%	46.0%	P74, All Models
R0402-180	Truck Crane, Hydraulic 161-180t	315.0		7,809.00	1,141,181.00	5.71	22.0	125.62	2.0%	1	429.00	D	0.050	15.75	191.00	hr	12,700.00	9,720.00	9,720.00	0.8%	2.0%	97.2%	54.1%	45.9%	P74, All Models
5. Piling Equipment																									
R0501-013	Diesel Hammer w/o Crane, 1.3t	*2) 1.3		732.00	124,601.00	6.29	22.0	138.38	2.0%	0	0.00	D	7.648	9.94	120.00	hr	1,080.00	1,060.00	1,060.00	0.0%	11.3%	88.7%	55.4%	44.6%	P96, Kobe K13-DL
R0501-025	Diesel Hammer w/o Crane, 2.5t	*2) 2.5		1,135.00	201,566.00	6.29	22.0	138.38	2.0%	0	0.00	D	7.648	19.12	231.00	hr	1,670.00	1,750.00	1,670.00	0.0%	0.0%	100.0%	56.0%	44.0%	P96, Kobe K25-DL
R0501-035	Diesel Hammer w/o Crane, 3.5t	*2) 3.5		1,400.00	248,533.00	6.29	22.0	138.38	2.0%	0	0.00	D	7.648	26.77	324.00	hr	2,060.00	2,190.00	2,060.00	0.0%	0.0%	100.0%	56.0%	44.0%	P96, Kobe K35-DL
R0501-045	Diesel Hammer w/o Crane, 4.5t	*2) 4.5		2,037.00	374,174.00	6.29	22.0	138.38	2.0%	0	0.00	D	7.648	34.42	416.00	hr	3,000.00	3,230.00	3,000.00	0.0%	0.0%	100.0%	55.7%	44.3%	P96, Kobe K45-DL
R0501-060	Diesel Hammer w/o Crane, 6.0t	*2) 6.0		3,142.00	498,154.00	6.29	22.0	138.38	2.0%	0	0.00	D	7.648	45.89	555.00	hr	4,630.00	4,300.00	4,300.00	0.0%	12.9%	87.1%	55.7%	44.3%	P96, Kobe K60-DL
R0502-045	Vibratory Pile Driver, Hydraulic 45 t-m	204.0		2,790.00	358,047.00	6.56	22.0	144.32	2.0%	1	429.00	D	0.313	63.85	773.00	hr	3,940.00	3,420.00	3,420.00	1.9%	22.6%	75.5%	55.7%	44.3%	P97, Vibro Forceur, PTC25H1A 13-115
R0502-070	Vibratory Pile Driver, Hydraulic 70 t-m	302.0		4,386.00	572,875.00	6.56	22.0	144.32	2.0%	1	429.00	D	0.313	94.53	1,144.00	hr	6,200.00	5,340.00	5,340.00	1.2%	21.4%	77.4%	55.9%	44.1%	P97, Vibro Forceur, PTC25H1A 24860
R0502-120	Vibratory Pile Driver, Hydraulic 120 kN-m	167.0		3,744.00	521,038.00	6.56	22.0	144.32	2.0%	1	429.00	D	0.313	52.27	632.00	hr	5,290.00	4,450.00	4,450.00	1.5%	14.2%	84.3%	55.1%	44.9%	P97, WBF12 w/ Hyd. Power Pack
R0503-060	Vibratory Pile Driver, Electric 60kW w/o Genset	60.0		565.00	82,583.00	6.56	22.0	144.32	2.0%	1	429.00	E	0.305	18.30	73.00	hr	799.00	734.00	734.00	8.9%	9.9%	81.2%	49.0%	51.0%	P97, Tomen Vibro VM2-4000
R0507-030	Piling Rig, Triaxial, Hydraulic w/ auger	120.0		5,125.00	763,592.00	6.27	22.0	137.94	2.0%	1	429.00	D	0.184	22.08	267.00	hr	7,580.00	6,090.00	6,090.00	1.1%	4.4%	94.5%	54.2%	45.8%	P98, Nippon Sharyo DM160-2
R0517-181	Drilling Rig, Hydraulic, Crawler 1800m x 20m deep	139.0		9,348.00	1,489,724.00	6.27	22.0	137.94	2.0%	1	429.00	D	0.095	13.21	160.00	hr	13,800.00	11,500.00	11,500.00	0.6%	1.4%	98.0%	54.0%	46.0%	P97, Casagrande RM21
R0517-182	Drilling Rig, Hydraulic, Crawler 1800m x 53m deep	248.0		10,759.00	1,684,036.00	6.27	22.0	137.94	2.0%	1	429.00	D	0.095	23.56	285.00	hr	15,900.00	13,100.00	13,100.00	0.5%	2.2%	97.3%	54.1%	45.9%	P97, Linnada P-100T7
R0517-201	Drilling Rig, Hydraulic, Crawler 2000m x 65m deep	225.0		11,488.00	1,813,578.00	6.27	22.0	137.94	2.0%	1	429.00	D	0.095	21.38	259.00	hr	17,000.00	14,000.00	14,000.00	0.5%	1.9%	97.6%	54.3%	45.7%	P97, C.M.V. TH18/65
R0517-202	Drilling Rig, Hydraulic, Crawler 2500m x 68m deep	225.0		12,267.00	1,943,119.00	6.27	22.0	137.94	2.0%	1	429.00	D	0.095	21.38	259.00	hr	18,100.00	15,000.00	15,000.00	0.5%	1.7%	97.8%	54.2%	45.8%	P97, C.M.V. TH22/65
R0517-203	Drill Rig, Mechanical Rotary w/o crane 600 ~2000mm x 68m deep	131.0		3,497.00	499,412.00	6.27	22.0	137.94	2.0%	0	0.00	D	0.095	12.45	151.00	hr	5,170.00	3,920.00	3,920.00	0.0%	3.9%	96.1%	54.7%	45.3%	P97, CMV TH035/21
R0518-055	Reverse Circulation Drill 55kW	55.0		-	54,029.00	6.18	22.0	135.96	2.0%	0	0.00	E	0.426	23.43	94.00	hr	-	507.00	507.00	0.0%	18.5%	81.5%	53.6%	46.4%	P115, Hitachi HS300
6. Transportation Equipment																									
R0601-003	Dump Truck, 3.0-6.0 cu-yds (2.3-4.6m3)	131.0		619.00	38,743.00	6.12	22.0	134.64	2.0%	2	375.00	D	0.054	7.07	86.00	hr	938.00								

No.	Item	Power	Weight	Operated Hour	Bare Month	Operation	Standard	Standard	Maintenance	Operator	Hourly Fuel Consumption				Hourly (or Daily) Operation Cost			Components (%)					Remarks		
		(kW)	(t)	(PP/hr)	(PP/month)	(hr/day)	(days)	(hr)	(%)	(PP/day)	Type	Rate	Amount	Cost	Unit	Based on	Based on	Adopted	Labor	Material	Equip.	Foreign		Local	
												lit/kW-hr	lit/hr	(PP/hr)		Hourly Rental Cost	Bare Month Rental Cost	Rental Cost							
												(lit/kW-hr)	(lit/hr)	(PP/hr)		(PP)	(PP)	(PP)							
R0605-045	Truck Mixer 3.5-4.5 cu-yds (2.7-3.4m3)	120.0		877.00	79,926.00	5.06	22.0	111.32	2.0%	1	429.00	D	0.060	7.20	87.00	hr	1,610.00	919.00	919.00	9.2%	9.5%	81.3%	50.3%	49.7%	P101, Japan & Other makes
R0605-060	Truck Mixer 5.0-6.0 cu-yds (3.8-4.6m3)	131.0		1,066.00	104,941.00	5.06	22.0	111.32	2.0%	1	429.00	D	0.060	7.86	95.00	hr	1,950.00	1,160.00	1,160.00	7.3%	8.2%	84.5%	51.2%	48.8%	P101, Japan & Other makes
R0605-075	Truck Mixer 6.5-7.5 cu-yds (5.0-5.7m3)	146.0		1,229.00	124,518.00	5.06	22.0	111.32	2.0%	1	429.00	D	0.060	8.76	106.00	hr	2,250.00	1,350.00	1,350.00	6.3%	7.9%	85.8%	51.9%	48.1%	P101, Japan & Other makes
R0605-100	Truck Mixer 8.0-10.0 cu-yds (6.1-7.6m3)	218.0		1,488.00	139,037.00	5.06	22.0	111.32	2.0%	1	429.00	D	0.060	13.08	158.00	hr	2,730.00	1,540.00	1,540.00	5.5%	10.3%	84.2%	52.5%	47.5%	P101, Japan & Other makes
R0605-120	Truck Mixer 11.0-12.0 cu-yds (8.4-9.2m3)	251.0		1,749.00	166,836.00	5.06	22.0	111.32	2.0%	1	429.00	D	0.060	15.06	182.00	hr	3,210.00	1,830.00	1,830.00	4.6%	9.9%	85.5%	52.7%	47.3%	P101, Japan & Other makes
7. Concrete Work Equipment																									
R0701-030	Concrete Batch Plant 30m3/hr with silo	*1) 56.0		-	153,390.00	5.53	22.0	121.66	2.0%	1	429.00	E	0.495	27.72	111.00	hr	-	1,500.00	1,500.00	5.2%	7.4%	87.4%	51.2%	48.8%	P122, Concrete Batch Plant PP5, 113 x m3/hr
R0701-040	Concrete Batch Plant 40m3/hr with silo	*1) 75.0		-	204,520.00	5.53	22.0	121.66	2.0%	1	429.00	E	0.495	37.13	149.00	hr	-	1,980.00	1,980.00	3.9%	7.5%	88.6%	51.7%	48.3%	P122, Concrete Batch Plant PP5, 113 x m3/hr
R0702-070	Concrete Pump Vehicle 70cu-yds/hr (53.5m3/hr)	131.0		2,135.00	252,216.00	7.06	22.0	155.32	2.0%	1	429.00	D	0.084	11.00	133.00	hr	2,800.00	1,880.00	1,880.00	3.2%	7.1%	89.7%	53.4%	46.6%	P102, Challenge S-1008
R0702-100	Concrete Pump Vehicle 100cu-yds/hr (76.5m3/hr)	98.0		1,668.00	341,935.00	7.06	22.0	155.32	2.0%	1	429.00	D	0.084	8.23	100.00	hr	2,190.00	2,450.00	2,190.00	0.0%	0.0%	100.0%	53.4%	46.6%	P102, Challenge 905PR
R0706-024	Concrete Paver/Finisher	24.0		870.00	110,622.00	6.00	22.0	132.00	2.0%	1	429.00	D	0.124	2.98	36.00	hr	1,340.00	979.00	979.00	7.3%	3.7%	89.0%	50.8%	49.2%	P100, Gomco C450
R0706-090	Concrete Paver/Finisher	90.0		1,308.00	151,640.00	6.00	22.0	132.00	2.0%	1	429.00	D	0.124	11.16	135.00	hr	2,020.00	1,400.00	1,400.00	5.1%	9.6%	85.3%	52.6%	47.4%	P100, Rex Concrete Finisher
R0708-060	Concrete Vibrator	*1) 1.1		-	8,510.00		22.0	0.00	2.0%	0	0.00	G	0.378	0.42	6.00	day	-	438.00	438.00	0.0%	8.2%	91.8%	55.2%	44.8%	P120, Stanley C023
R0709-014	Concrete Cutter 14in	23.0		-	7,715.00		22.0	0.00	2.0%	0	0.00	G	0.231	5.31	75.00	day	-	815.00	815.00	0.0%	55.2%	44.8%	60.2%	39.8%	P103, JHI NAS-250S, NES-100
R0710-000	GROUT Pump			270.00	27,066.00		22.0	0.00	2.0%	0	0.00	D	0.211	0.00	0.00	day	2,500.00	1,280.00	1,280.00	0.0%	0.0%	100.0%	54.3%	45.7%	P103, JHI NAS-250S, NES-100
R0711-003	Concrete Mixer 1-3 ft3/min (0.03-0.08m3/min)	*1) 0.6		136.00	8,589.00		22.0	0.00	2.0%	0	0.00	D	0.211	0.13	2.00	day	1,260.00	418.00	418.00	0.0%	2.9%	97.1%	54.6%	45.4%	P101, Bagger
R0711-006	Concrete Mixer 4-6 ft3/min (0.11-0.17m3/min)	*1) 1.2		156.00	11,640.00		22.0	0.00	2.0%	0	0.00	D	0.211	0.25	3.00	day	1,450.00	568.00	568.00	0.0%	3.2%	96.8%	54.7%	45.3%	P101, Bagger
R0711-012	Concrete Mixer 7-12 ft3/min (0.20-0.33m3/min)	*1) 2.4		173.00	14,042.00		22.0	0.00	2.0%	0	0.00	D	0.211	0.51	6.00	day	1,600.00	700.00	700.00	0.0%	5.1%	94.9%	54.9%	45.1%	P101, Bagger
R0711-018	Concrete Mixer 13-18 ft3/min (0.37-0.51m3/min)	*1) 3.6		193.00	17,089.00		22.0	0.00	2.0%	0	0.00	D	0.211	0.76	9.00	day	1,790.00	862.00	862.00	0.0%	6.3%	93.7%	55.0%	45.0%	P101, Bagger
R0711-024	Concrete Mixer 19-24 ft3/min (0.53-0.68m3/min)	*1) 4.8		208.00	19,875.00		22.0	0.00	2.0%	0	0.00	D	0.211	1.01	12.00	day	1,930.00	1,010.00	1,010.00	0.0%	7.1%	92.9%	55.2%	44.8%	P101, Bagger
R0711-036	Concrete Mixer 25-36 ft3/min (0.71-1.02m3/min)	*1) 7.5		228.00	22,902.00		22.0	0.00	2.0%	0	0.00	D	0.211	1.58	19.00	day	2,110.00	1,200.00	1,200.00	0.0%	9.5%	90.5%	55.2%	44.8%	P101, Bagger
R0711-040	Concrete Mixer 37-40 ft3/min (1.05-1.13m3/min)	*1) 11.0		245.00	25,406.00		22.0	0.00	2.0%	0	0.00	D	0.211	2.32	28.00	day	2,270.00	1,370.00	1,370.00	0.0%	12.3%	87.7%	55.6%	44.4%	P101, Bagger
R0713-000	Concrete Gun	*1) 22.0		472.00	55,082.00	6.75	22.0	148.50	2.0%	0	0.00	E	0.466	10.25	41.00	hr	648.00	427.00	427.00	0.0%	9.6%	90.4%	53.9%	46.1%	P103, Shotcrete BSM
R0716-010	Aggregate Crusher 100t/hr	*1) 75.0		-	373,571.00	6.92	22.0	152.24	2.0%	0	0.00	E	0.495	37.13	149.00	hr	-	2,700.00	2,700.00	0.0%	5.5%	94.5%	54.1%	45.9%	P121, Parker 1208
R0716-025	Aggregate Crusher 160-250t/hr	150.0		-	705,878.00	6.92	22.0	152.24	2.0%	0	0.00	E	0.495	74.25	297.00	hr	-	5,120.00	5,120.00	0.0%	5.8%	94.2%	54.1%	45.9%	P122, Svedala Jawmaster 80GHD
R0716-027	Aggregate Crusher 175-275t/hr	167.0		-	909,927.00	6.92	22.0	152.24	2.0%	0	0.00	E	0.495	82.67	331.00	hr	-	6,550.00	6,550.00	0.0%	5.1%	94.9%	54.1%	45.9%	P122, Svedala Jawmaster 907HD
R0716-050	Aggregate Crusher 385-505t/hr	338.0		-	1,268,652.00	6.92	22.0	152.24	2.0%	0	0.00	E	0.495	167.31	669.00	hr	-	9,340.00	9,340.00	0.0%	7.2%	92.8%	54.0%	46.0%	P122, Svedala Jawmaster 1108HD
R0716-052	Aggregate Crusher 325-525t/hr	228.0		-	1,048,017.00	6.92	22.0	152.24	2.0%	0	0.00	E	0.495	112.86	451.00	hr	-	7,610.00	7,610.00	0.0%	5.9%	94.1%	54.1%	45.9%	P122, Svedala Jawmaster 1206HD
R0716-072	Aggregate Crusher 550-720t/hr	435.0		-	1,489,287.00	6.92	22.0	152.24	2.0%	0	0.00	E	0.495	215.33	861.00	hr	-	11,000.00	11,000.00	0.0%	7.8%	92.2%	54.2%	45.8%	P121, Svedala Jawmaster 1208HD
R0716-116	Aggregate Crusher 885-1160t/hr	761.0		-	1,612,911.00	6.92	22.0	152.24	2.0%	0	0.00	E	0.495	376.70	1,507.00	hr	-	12,500.00	12,500.00	0.0%	12.1%	87.9%	53.9%	46.1%	P121, Svedala Jawmaster 1513HD
8. Asphalt Work Equipment																									
R0801-030	Asphalt Concrete Plant 30t/hr	*1) 110.0		-	62,922.00	3.79	22.0	83.38	2.0%	0	0.00	E	0.495	54.45	218.00	hr	-	1,000.00	1,000.00	0.0%	21.8%	78.2%	53.5%	46.5%	P122, Asphaltic Concrete Plant PP4, 824 x m3/hr
R0802-025	Asphalt Paver/Finisher, 2.5m	24.0		1,307.00	172,871.00	5.50	22.0	121.00	2.0%	1	429.00	D	0.155	3.72	45.00	hr	2,200.00	1,610.00	1,610.00	4.8%	2.8%	92.4%	52.0%	48.0%	P99, Demag DF50C
R0802-040	Asphalt Paver/Finisher, 4.0m	39.0		1,488.00	194,496.00	5.50	22.0	121.00	2.0%	1	429.00	D	0.155	6.05	73.00	hr	2,510.00	1,820.00	1,820.00	4.3%	4.0%	91.7%	52.5%	47.5%	P99, Demag DF80P
R0802-047	Asphalt Paver/Finisher, 4.7m	55.0		1,974.00	260,885.00	5.50	22.0	121.00	2.0%	1	429.00	D	0.155	8.53	103.00	hr	3,330.00	2,420.00	2,420.00	3.2%	4.3%	92.5%	53.1%	46.9%	P99, Demag DF100P
R0804-030	Asphalt Distributor 3000 USG (11,000 Ltr)	75.0		851.00	89,611.00		22.0	0.00	2.0%	1	429.00	D	0.094	7.05	85.00	day	7,890.00	5,180.00	5,180.00	8.3%	9.8%	81.9%	50.8%	49.2%	P98, ROSCO
R0805-013	Asphalt Sprayer 1330 USG (5,000 Ltr)	68.0		723.00	73,166.00		22.0	0.00	2.0%	1	429.00	G	0.231	15.71	223.00	day	6,700.00	5,230.00	5,230.00	8.2%	25.6%	66.2%	52.6%	47.4%	P98, Littleford
R0806-045	Asphalt Pavement Profiler	338.0		6,130.00	792,011.00		22.0	0.00	2.0%	1	429.00	G	0.155	52.39	744.00	day	56,800.00	42,300.00	42,300.00	1.0%	10.6%	88.4%	55.0%	45.0%	Smramaster
R0810-025	Asphalt Resurver, 2.50-3.75m	170.0		9,840.00	1,379,484.00		22.0	0.00	2.0%	1	429.00	D	0.155	26.35	319.00	day	91,200.00	67,600.00	67,600.00	0.6%	2.8%	96.6%	54.3%	45.7%	P100, PR450
R0811-025	Asphalt Resurver, 2.50-3.75m	170.0		9,836.00	1,401,884.00		22.0	0.00	2.0%	1	429.00	D	0.155	26.35	319.00	day	91,200.00	68,600.00	68,600.00	0.6%	2.8%	96.6%	54.3%	45.7%	P98, Wirtgen

No.	Item	Power	Weight	Operated Hour Rental Cost	Base Month Rental Cost	Operation Hours per Working Day	Standard Monthly Operation Days	Standard Monthly Operation Hours	Main- tenance Rate	Operator / Driver	Hourly Fuel Consumption			Hourly (or Daily) Operation Cost			Components (%)					Remarks								
											Type	Rate	Amount	Cost	Unit	Based on Hourly Rental Cost	Based on Base Month Rental Cost	Adopted Rental Cost	Labor	Material	Equip.		Foreign	Local						
												litr/kW-hr kWh/kW-hr	lit/hr (kWh/hr)			(PP/hr)	(PP)	(PP)							(PP)					
10. Generator, Pumps & Blowers																														
R1001-015	Generator 11-15 kW	15.0	-	-	14,746.00	22.0	0.00	2.0%	0	0.00	D	0.173	2.60	31.00	day	-	883.00	883.00	0.0%	21.1%	78.9%	56.6%	43.4%	P115, All Makes						
R1001-020	Generator 16-20 kW	20.0	-	-	20,205.00	22.0	0.00	2.0%	0	0.00	D	0.173	3.46	42.00	day	-	1,210.00	1,210.00	0.0%	20.8%	79.2%	56.4%	43.6%	P115, All Makes						
R1001-030	Generator 21-30 kW	30.0	-	-	22,842.00	22.0	0.00	2.0%	0	0.00	D	0.173	5.19	63.00	day	-	1,460.00	1,460.00	0.0%	25.9%	74.1%	57.0%	43.0%	P115, All Makes						
R1001-040	Generator 31-40 kW	40.0	-	-	23,064.00	22.0	0.00	2.0%	0	0.00	D	0.173	6.92	84.00	day	-	1,590.00	1,590.00	0.0%	31.7%	68.3%	57.9%	42.1%	P115, All Makes						
R1001-050	Generator 41-50 kW	50.0	-	-	26,006.00	22.0	0.00	2.0%	0	0.00	D	0.173	8.65	105.00	day	-	1,860.00	1,860.00	0.0%	33.9%	66.1%	57.9%	42.1%	P115, All Makes						
R1001-100	Generator 51-100 kW	100.0	-	-	30,340.00	22.0	0.00	2.0%	0	0.00	D	0.173	17.30	209.00	day	-	2,690.00	2,690.00	0.0%	46.6%	53.4%	59.3%	40.7%	P115, All Makes						
R1001-150	Generator 101-150 kW	150.0	-	-	36,580.00	22.0	0.00	2.0%	0	0.00	D	0.173	25.95	314.00	day	-	3,610.00	3,610.00	0.0%	52.2%	47.8%	59.9%	40.1%	P115, All Makes						
R1001-200	Generator 151-200 kW	200.0	-	-	58,528.00	22.0	0.00	2.0%	0	0.00	D	0.173	34.60	419.00	day	-	5,280.00	5,280.00	0.0%	47.6%	52.4%	59.4%	40.6%	P115, All Makes						
R1001-250	Generator 201-250 kW	250.0	-	-	76,421.00	22.0	0.00	2.0%	0	0.00	D	0.173	43.25	523.00	day	-	6,750.00	6,750.00	0.0%	46.5%	53.5%	59.3%	40.7%	P115, All Makes						
R1001-300	Generator 251-300 kW	300.0	-	-	88,169.00	22.0	0.00	2.0%	0	0.00	D	0.173	51.90	628.00	day	-	7,940.00	7,940.00	0.0%	47.5%	52.5%	59.4%	40.6%	P115, All Makes						
R1001-350	Generator 301-350 kW	350.0	-	-	91,973.00	22.0	0.00	2.0%	0	0.00	D	0.173	60.55	723.00	day	-	8,750.00	8,750.00	0.0%	50.3%	49.7%	59.7%	40.3%	P115, All Makes						
R1001-400	Generator 351-400 kW	400.0	-	-	108,896.00	22.0	0.00	2.0%	0	0.00	D	0.173	69.20	837.00	day	-	10,200.00	10,200.00	0.0%	49.2%	50.8%	59.4%	40.6%	P115, All Makes						
R1002-160	Air Compressor 125-160 cfm (3.6-4.5m3/min)	38.0	-	379.00	31,841.00	22.0	0.00	2.0%	0	0.00	D	0.211	8.02	97.00	day	3,510.00	2,090.00	2,090.00	0.0%	27.8%	72.2%	57.2%	42.8%	P109, All Models						
R1002-185	Air Compressor 161-185 cfm (4.6-5.2m3/min)	52.0	-	422.00	33,642.00	22.0	0.00	2.0%	0	0.00	D	0.211	10.97	133.00	day	3,910.00	2,390.00	2,390.00	0.0%	33.4%	66.6%	57.9%	42.1%	P109, All Models						
R1002-250	Air Compressor 186-250 cfm (5.3-7.1m3/min)	55.0	-	522.00	47,383.00	22.0	0.00	2.0%	0	0.00	D	0.211	11.61	140.00	day	4,840.00	3,080.00	3,080.00	0.0%	27.3%	72.7%	57.2%	42.8%	P109, All Models						
R1002-315	Air Compressor 251-315 cfm (7.1-8.9m3/min)	69.0	-	559.00	48,180.00	22.0	0.00	2.0%	0	0.00	D	0.211	14.56	176.00	day	5,180.00	3,330.00	3,330.00	0.0%	31.7%	68.3%	57.8%	42.2%	P109, All Models						
R1002-330	Air Compressor 316-330 cfm (8.9-9.3m3/min)	70.0	-	576.00	50,463.00	22.0	0.00	2.0%	0	0.00	D	0.211	14.77	179.00	day	5,340.00	3,460.00	3,460.00	0.0%	31.0%	69.0%	57.6%	42.4%	P109, All Models						
R1002-350	Air Compressor 331-350 cfm (9.4-9.9m3/min)	77.0	-	614.00	53,543.00	22.0	0.00	2.0%	0	0.00	D	0.211	16.25	197.00	day	5,690.00	3,710.00	3,710.00	0.0%	31.9%	68.1%	57.8%	42.2%	P109, All Models						
R1002-450	Air Compressor 356-450 cfm (10.0-12.7m3/min)	98.0	-	811.00	75,812.00	22.0	0.00	2.0%	0	0.00	D	0.211	20.68	250.00	day	7,520.00	5,090.00	5,090.00	0.0%	29.5%	70.5%	57.4%	42.6%	P109, All Models						
R1002-500	Air Compressor 456-500 cfm (12.9-14.2m3/min)	113.0	-	876.00	80,551.00	22.0	0.00	2.0%	0	0.00	D	0.211	23.84	289.00	day	8,120.00	5,540.00	5,540.00	0.0%	31.3%	68.7%	57.7%	42.3%	P109, All Models						
R1002-600	Air Compressor 501-600 cfm (14.2-17.0m3/min)	134.0	-	1,182.00	118,457.00	22.0	0.00	2.0%	0	0.00	D	0.211	28.27	342.00	day	11,000.00	7,650.00	7,650.00	0.0%	26.8%	73.2%	57.2%	42.8%	P109, All Models						
R1004-051	Electric Water Pump 1 3/4 - 2 (44.5-50.5cm)	*1) 0.8	-	-	2,162.00	22.0	0.00	2.0%	0	0.00	E	0.584	0.47	2.00	day	-	114.00	114.00	0.0%	10.5%	89.5%	54.0%	46.0%	P112, All Models						
R1004-102	Electric Water Pump 3 1/2 - 4 (88.9-101.5cm)	*1) 3.7	-	-	2,983.00	22.0	0.00	2.0%	0	0.00	E	0.584	2.16	9.00	day	-	195.00	195.00	0.0%	27.7%	72.3%	53.1%	46.9%	P112, All Models						
R1004-203	Electric Water Pump 6 1/2 - 8 (165.1-203.2cm)	*1) 11.0	-	-	6,871.00	22.0	0.00	2.0%	0	0.00	E	0.584	6.42	26.00	day	-	481.00	481.00	0.0%	32.4%	67.6%	52.9%	47.1%	P111, All Models						
R1005-132	Sump Pump 132 gal/min (500ltr/min) 10w head	*1) 5.5	-	-	1,582.00	22.0	0.00	2.0%	0	0.00	E	0.584	3.21	13.00	day	-	153.00	153.00	0.0%	51.0%	49.0%	52.0%	48.0%	P114, Atlas Copco D1P65						
R1006-075	Mud Pump	*1) 5.5	-	-	2,874.00	22.0	0.00	2.0%	0	0.00	E	0.584	3.21	13.00	day	-	214.00	214.00	0.0%	36.4%	63.6%	52.7%	47.3%	P114, Yamada Yuki DP-75 BAC						
R1007-002	Power Unit (Jack), hydraulic, HP-2, pump can, 7-9	14.0	-	-	13,864.00	22.0	0.00	2.0%	0	0.00			0.00	0.00	day	-	656.00	656.00	0.0%	0.0%	100.0%	54.3%	45.7%	P121, Stanley HPR-2						
11. Road Maintenance Equipment																														
R1101-002	Power Broom 2a	*1) 146.0	-	-	16,576.00	7.60	22.0	167.20	2.0%	1	429.00	D	0.065	9.49	115.00	hr	-	275.00	275.00	20.5%	41.8%	37.7%	47.6%	52.4%	P126					
R1103-450	Water Wagon/Pump Truck 500-1000 gal (2200-4500 ltr)	270.0	-	968.00	44,333.00	6.00	22.0	132.00	2.0%	2	375.00	D	0.041	11.07	134.00	hr	1,500.00	546.00	546.00	11.4%	24.5%	64.1%	50.7%	49.3%	P117, All Makes					
15. Miscellaneous																														
R1531-002	Hammer Drill	*1) 1.1	-	-	2,493.00	22.0	0.00	2.0%	0	0.00			0.00	0.00	day	-	118.00	118.00	0.0%	0.0%	100.0%	54.3%	45.7%	P116, HDM5						
R1561-000	Chainsaw	*1) 6.0	-	-	4,180.00	22.0	0.00	2.0%	0	0.00			0.00	0.00	day	-	198.00	198.00	0.0%	0.0%	100.0%	54.2%	45.8%	P119, Husqvarna 162/266						

11. Equipment Operation Cost

Exchange Rate : 1 US\$ = 52.28 PP

= 120.12 yen

Q0101-015 Bulldozer, 15t

Operation Hour per Operated Day= 5.27 hr/day

Unit: 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	81.51	0.00	0.00	0.00	81.51	81.51
M01005	Diesel Oil	ltr	18.80	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	227.48	0.00	147.86	79.62	227.48
Q0101-015	Bulldozer, 15t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	2,190.00	0.00	0.00	2190.00	1140.67	1049.33	2,190.00
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total										81.51	227.48	2190.00	1288.53	1210.46	2,498.99
Unit Rate										81.51	227.48	2190.00	1288.53	1210.46	2,498.99
Components										3.3%	9.1%	87.6%	51.6%	48.4%	100.0%

Q0101-021 Bulldozer, 21t

Operation Hour per Operated Day= 6.58 hr/day

Unit: 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35	
M01005	Diesel Oil	ltr	28.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	346.06	0.00	224.94	121.12	346.06	
Q0101-021	Bulldozer, 21t	hr	1.00	0.0%	0.0%	100.0%	53.0%	47.0%	3,170.00	0.00	0.00	3170.00	1679.08	1490.92	3,170.00	
Q9999	Miscellaneous	Lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										64.35	346.06	3170.00	1904.02	1679.98	3,590.41	
Unit Rate										64.35	346.06	3169.64	1903.80	1678.96	3,589.00	
Components										1.8%	9.7%	88.5%	53.2%	46.8%	100.0%	

Q0105-010 Backhoe, hydraulic, crawler, 0.1m3

Operation Hour per Operated Day= 5.00 hr/day

Unit: 1.0 day

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	429.00	0.00	0.00	0.00	429.00	429.00	
M01005	Diesel Oil	ltr	23.50	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	284.33	0.00	184.83	99.52	284.33	
Q0105-010	Backhoe, hydraulic, crawler, 0.1m3	day	1.00	0.0%	0.0%	100.0%	58.7%	41.3%	4,240.00	0.00	0.00	4240.00	2488.75	1751.25	4,240.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total										429.00	284.33	4240.00	2673.58	2279.77	4,953.35	
Unit Rate										429.00	284.33	4240.00	2673.58	2279.77	4,953.35	
Components										4.7%	5.7%	83.6%	54.0%	46.0%	100.0%	

Q0105-035 Backhoe, hydraulic, crawler, 0.35m3

Operation Hour per Operated Day= 5.47 hr/day

Unit: 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost						Total (PP)	Amount						Remarks
				Component (%)							Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local	Labor		Mat.	Equip.	Foreign	Local			
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22		
M01005	Diesel Oil	ltr	11.30	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	136.73	0.00	88.87	47.86	136.73		
Q0105-035	Backhoe, hydraulic, crawler, 0.35m3	hr	1.00	0.0%	0.0%	100.0%	57.8%	42.2%	1,010.00	0.00	0.00	1010.00	583.80	426.20	1,010.00		
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.0%		
Total											77.22	136.73	1010.00	672.67	551.28	1,223.95	
Unit Rate											77.22	136.73	1010.00	672.67	551.28	1,223.95	
Components											6.3%	11.2%	82.5%	55.0%	45.0%	100.0%	

Q0105-060 Backhoe, hydraulic, crawler, 0.60m3

Operation Hour per Operated Day= 5.47 hr/day

Unit: 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks		
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	Total (PP)		
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	0.00	22	77.22	
M01005	Diesel Oil	ltr	19.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	237.16	0.00	154.15	83.01		237.16	
Q0105-060	Backhoe, hydraulic, crawler, 0.60m3	hr	1.00	0.0%	0.0%	100.0%	57.8%	42.2%	1,740.00	0.00	0.00	1740.00	1005.75	734.25		1,740.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00		0.00	0.0%
Total										77.22	237.16	1740.00	1159.91	894.47		2,654.38	
Unit Rate										77.22	237.16	1740.00	1159.91	894.47		2,654.38	
Components										3.8%	11.5%	84.7%	55.5%	43.5%		100.0%	

Q0106-004 Clamshell, crawler, 0.3m3

Operation Hour per Operated Day= 5.25 hr/day

Unit: 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.16	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	68.84	0.00	0.00	0.00	68.84	68.84
M01005	Diesel Oil	ltr	7.80	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	90.75	0.00	58.99	31.76	90.75
Q0106-004	Clamshell, crawler, 0.3m3	hr	1.00	0.0%	0.0%	100.0%	57.3%	42.7%	1,150.00	0.00	0.00	1150.00	658.70	491.30	1,150.00
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										68.84	90.75	1150.00	717.69	591.70	1,309.39
Unit Rate										68.87	90.79	1150.53	718.02	591.80	1,310.80
Components										6.2%	6.9%	87.8%	54.8%	45.2%	100.0%

Q0106-006 Clamshell, crawler, 0.6m3

Operation Hour per Operated Day= 6.25 hr/day

Unit: 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks		
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	Total (PP)		
L003	Operator	md	0.16	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	68.84	0.00	0.00	0.00	68.84	68.84		
M01005	Diesel Oil	ltr	16.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	193.60	0.00	125.84	67.76	193.60		
Q0106-006	Clamshell, crawler, 0.6m3	hr	1.00	0.0%	0.0%	100.0%	57.3%	42.7%	2,070.00	0.00	0.00	2070.00	1185.86	884.14	2,070.00		
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										68.84	193.60	2070.00	1311.50	1020.74	2,332.24		
Unit Rate										68.84	193.60	2069.01	1310.24	2261.43	2,330.00		
Components										2.9%	8.3%	88.8%	56.2%	43.8%	100.0%		

Q0106-008 Clamshell, crawler, 0.6m3 Deep

Operation Hour per Operated Day= 6.58 hr/day

Unit: 1.0 hr

Item No.		Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks		
				Component (%)				Component (PP)										
					Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	Total (PP)		
L003		Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35		
M01005		Diesel Oil	ltr	16.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.16	193.60	0.00	0.00	0.00	193.60	87.76		
QC106-008		Clamshell, crawler, 0.6m3 Deep	hr	1.00	0.0%	0.0%	100.0%	57.4%	42.6%	2,210.00	0.00	0.00	2210.00	1269.63	940.37	2,210.00		
Q9999		Miscellaneous	Ltr	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total											64.35	193.60	2210.00	1395.47	1072.48	2,467.95		
Unit Rate											2.40	193.76	2211.64	1396.63	2105.60	2,470.00		
											2.60	205.35	2331.64	1525.10	1186.50	2,711.60		

Q0107-120 Tractor Shovel, wheel, 1.2m3			Operation Hour per Operated Day= 4.50 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.22	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	94.38	0.00	0.00	0.00	94.38	94.38	
M01005	Diesel Oil	ltr	9.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	117.37	0.00	76.29	41.08	117.37	
Q0107-120	Tractor Shovel, wheel, 1.2m3	hr	1.00	0.0%	0.0%	100.0%	52.8%	47.2%	1,040.00	0.00	0.00	1,040.00	548.87	491.13	1,040.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									94.38	117.37	1,040.00	625.16	626.59	1,251.75	
	Unit Rate									94.38	117.37	1,040.00	625.16	626.59	1,251.75	
	Components									7.5%	9.4%	83.1%	49.9%	50.1%	100.0%	

Q0201-080 Giant Breaker, hydraulic, 600~800kg + Backhoe, hydraulic, crawler, 0.60m3			Operation Hour per Operated Day= 5.47 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22	
M01005	Diesel Oil	ltr	19.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	237.16	0.00	154.15	83.01	237.16	
Q0105-060	Backhoe, hydraulic, crawler, 0.60m3	hr	1.00	0.0%	0.0%	100.0%	57.8%	42.2%	1,740.00	0.00	0.00	1,740.00	1,005.75	734.25	1,740.00	
Q0201-080	Giant Breaker, hydraulic, 600~800kg	dev	0.18	0.0%	0.0%	100.0%	64.6%	35.4%	4,420.00	0.00	0.00	795.60	514.34	281.26	795.60	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									77.22	237.16	2,535.60	1,574.25	1,175.73	2,810.88	
	Unit Rate									77.22	237.16	2,535.62	1,574.26	1,175.73	2,810.88	
	Components									2.7%	8.3%	89.0%	58.7%	41.3%	100.0%	

Q0201-130 Giant Breaker, hydraulic, 1300kg + Backhoe, hydraulic, crawler, 0.60m3			Operation Hour per Operated Day= 5.47 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22	
M01005	Diesel Oil	ltr	19.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	237.16	0.00	154.15	83.01	237.16	
Q0105-060	Backhoe, hydraulic, crawler, 0.60m3	hr	1.00	0.0%	0.0%	100.0%	57.8%	42.2%	1,740.00	0.00	0.00	1,740.00	1,005.75	734.25	1,740.00	
Q0201-130	Giant Breaker, hydraulic, 1300kg	dev	0.18	0.0%	0.0%	100.0%	64.6%	35.4%	7,490.00	0.00	0.00	1,348.20	871.50	476.61	1,348.20	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									77.22	237.16	3,088.20	2,031.50	1,371.08	3,402.58	
	Unit Rate									77.16	236.88	3,085.86	2,029.90	1,372.84	3,400.00	
	Components									2.3%	7.0%	80.8%	59.7%	40.3%	100.0%	

Q0203-100 Concrete Crusher, 56~100t + Backhoe, hydraulic, crawler, 0.60m3			Operation Hour per Operated Day= 5.47 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22	
M01005	Diesel Oil	ltr	19.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	237.16	0.00	154.15	83.01	237.16	
Q0105-060	Backhoe, hydraulic, crawler, 0.60m3	hr	1.00	0.0%	0.0%	100.0%	57.8%	42.2%	1,740.00	0.00	0.00	1,740.00	1,005.75	734.25	1,740.00	
Q0203-100	Concrete Crusher, 56~100t	dev	0.18	0.0%	0.0%	100.0%	67.0%	33.0%	8,050.00	0.00	0.00	1,449.00	971.00	478.00	1,449.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									77.22	237.16	3,189.00	2,100.51	1,372.47	3,503.38	
	Unit Rate									77.15	236.93	3,185.92	2,098.85	1,372.85	3,500.00	
	Components									2.2%	6.8%	91.0%	60.8%	39.2%	100.0%	

Q0301-031 Motor Grader, 3.1m			Operation Hour per Operated Day= 5.22 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	81.51	0.00	0.00	0.00	81.51	81.51	
M01005	Diesel Oil	ltr	9.40	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	113.74	0.00	73.93	39.81	113.74	
Q0301-031	Motor Grader, 3.1m	hr	1.00	0.0%	0.0%	100.0%	51.8%	48.2%	1,740.00	0.00	0.00	1,740.00	901.55	838.45	1,740.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									81.51	113.74	1,740.00	975.48	959.77	1,935.25	
	Unit Rate									81.71	114.02	1,744.27	977.87	1,888.29	1,940.00	
	Components									4.2%	5.9%	89.9%	50.4%	49.6%	100.0%	

Q0302-204 Stabilizer, W=2.0m, D=0.4m			Operation Hour per Operated Day= 5.20 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	81.51	0.00	0.00	0.00	81.51	81.51	
M01005	Diesel Oil	ltr	20.20	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	244.42	0.00	158.87	85.55	244.42	
Q0302-204	Stabilizer, W=2.0m, D=0.4m	hr	1.00	0.0%	0.0%	100.0%	55.3%	44.7%	16,600.00	0.00	0.00	16,600.00	9,172.88	7,427.02	16,600.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									81.51	244.42	16,600.00	9,331.85	7,512.57	18,225.93	
	Unit Rate									81.39	244.05	16,574.87	9,317.55	16,818.61	18,900.00	
	Components									0.5%	1.4%	98.1%	55.1%	44.9%	100.0%	

Q0303-012 Road Roller, macadam, 10~12t			Operation Hour per Operated Day= 5.22 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	81.51	0.00	0.00	0.00	81.51	81.51	
M01005	Diesel Oil	ltr	7.80	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	90.75	0.00	58.99	31.76	90.75	
Q0303-012	Road Roller, macadam, 10~12t	hr	1.00	0.0%	0.0%	100.0%	50.8%	49.2%	1,160.00	0.00	0.00	1,160.00	583.66	576.34	1,160.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									81.51	90.75	1,160.00	642.67	628.10	1,322.26	
	Unit Rate									81.37	80.50	1,148.93	641.57	1,238.63	1,320.00	
	Components									6.2%	6.9%	87.0%	48.6%	51.4%	100.0%	

Q0304-020 Tire Roller, 8~20t			Operation Hour per Operated Day= 5.00 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.20	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	85.80	0.00	0.00	0.00	85.80	85.80	
M01005	Diesel Oil	ltr	7.20	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	87.12	0.00	55.63	30.49	87.12	
Q0304-020	Tire Roller, 8~20t	hr	1.00	0.0%	0.0%	100.0%	51.8%	48.2%	1,260.00	0.00	0.00	1,260.00	640.70	609.30	1,260.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									85.80	87.12	1,260.00	697.33	728.59	1,425.92	
	Unit Rate									85.62	86.94	1,241.43	698.69	1,344.38	1,420.00	
	Components									6.0%	6.1%	87.8%	49.0%	51.0%	100.0%	

Q0305-011 Vibration Roller, Handv, 0.8~1.1t			Operation Hour per Operated Day= 5.22 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L019	Skilled Labor	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	77.90	0.00	0.00	0.00	77.90	77.90	
M01005	Diesel Oil	ltr	1.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	12.10	0.00	7.87	4.24	12.10	
Q0305-011	Vibration Roller, Handv, 0.8~1.1t	hr	1.00	0.0%	0.0%	100.0%	57.4%	42.6%	205.00	0.00	0.00	205.00	117.62	87.38	205.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									77.90	12.10	205.00	125.49	109.51	295.00	
	Unit Rate									77.90	12.10	205.00	125.49	117.10	295.00	
	Components									26.4%	4.1%	69.5%	42.5%	57.5%	100.0%	

Q0305-140 Vibration Roller, combined, 3~4t			Operation Hour per Operated Day= 4.80 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.21	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	90.00	0.00	0.00	0.00	90.00	90.00	
M01005	Diesel Oil	ltr	3.30	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	39.83	0.00	25.95	13.88	39.83	
Q0305-140	Vibration Roller, combined, 3~4t	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	810.00	0.00	0.00	810.00	440.73	378.27	810.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									90.00	39.83	810.00	466.69	392.33	949.92	
	Unit Rate									90.00	39.83	818.98	466.68	398.91	949.00	
	Components									9.5%	4.2%	86.3%	49.2%	50.8%	100.0%	

Q0305-210 Vibration Roller, tandem, 8~10t

Operation Hour per Operated Day= 5.13 hr/day

Unit 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	81.61	0.00	0.00	0.00	81.61	81.61	
M01005	Diesel Oil	ltr	15.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	181.50	0.00	117.98	63.63	181.50	
Q0305-210	Vibration Roller, tandem, 8~10t	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	2,510.00	0.00	0.00	2510.00	1350.72	1159.28	2,510.00	
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										81.61	181.50	2510.00	1468.69	1304.32	2,773.01	
Unit Rate										81.42	181.30	2507.28	1467.10	1303.58	2,770.00	
Components										2.9%	6.6%	90.5%	53.0%	47.0%	100.0%	

Q0306-010 Tamper and Rammer, 60~100kg

Operation Hour per Operated Day= 5.00 hr/day

Unit 1.0 day

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L019	Skilled Labor	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	410.00	0.00	0.00	0.00	410.00	410.00	
M01006	Gasoline	ltr	4.50	0.0%	100.0%	0.0%	65.0%	35.0%	14.20	0.00	63.90	0.00	41.54	22.37	63.90	
Q0306-010	Tamper and Rammer, 60~100kg	day	1.00	0.0%	0.0%	100.0%	65.1%	34.9%	375.00	0.00	0.00	375.00	244.12	130.88	375.00	
Q9999	Miscellaneous	Lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total									410.00	63.90	375.00	285.85	153.25	849.00		
Unit Rate									410.05	63.91	375.04	285.60	153.00	849.00		
Components									48.3%	7.6%	44.2%	33.6%	66.4%	100.0%		

Q0307-110 Vibration Compactor, 100~110kg

Operation Hour per Operated Day= 5.00 hr/day

Unit 1.0 day

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L019	Skilled Labor	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	410.00	0.00	0.00	0.00	410.00	410.00	
M01006	Gasoline	ltr	6.00	0.0%	100.0%	0.0%	65.0%	35.0%	14.20	0.00	85.20	0.00	55.38	29.82	85.20	
Q0307-110	Vibration Compactor, 100~110kg	day	1.00	0.0%	0.0%	100.0%	64.7%	35.3%	386.00	0.00	0.00	386.00	236.85	129.15	386.00	
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										410.00	85.20	386.00	236.85	129.15	849.00	
Unit Rate										409.80	85.18	385.92	236.17	128.10	848.00	
Components										47.9%	9.9%	42.5%	33.9%	66.1%	100.0%	

Q0401-022 Crawler Crane, 22.5t

Operation Hour per Operated Day= 5.82 hr/day

Unit 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks		
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	Total (PP)		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	0.00	72.93	72.93	
M01005	Diesel Oil	ltr	6.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	81.07	0.00	52.70	28.37	81.07	81.07	
Q0401-022	Crawler Crane, 22.5t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	2,260.00	0.00	0.00	2260.00	1178.38	1081.62	2,260.00		
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	81.07	2260.00	1231.08	1182.92	2,414.90		
Unit Rate										72.81	80.94	2256.26	1229.04	1182.19	2,410.90		
Components										3.0%	3.4%	93.6%	51.0%	49.0%	100.0%		

Q0401-027 Crawler Crane, 25~27t

Operation Hour per Operated Day= 5.82 hr/day

Unit 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93
M01005	Diesel Oil	ltr	8.10	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	98.01	0.00	63.71	34.30	98.01
Q0401-027	Crawler Crane, 25~27t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	2,700.00	0.00	0.00	2700.00	1407.80	1292.20	2,700.00
Q9999	Miscellaneous	Lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total										72.93	98.01	2700.00	1471.51	1394.43	2,870.94
Unit Rate										72.91	97.98	2699.12	1471.02	1394.09	2,870.00
Components										2.5%	3.4%	94.0%	51.3%	48.7%	100.0%

Q0401-037 Crawler Crane, 35~37t

Operation Hour per Operated Day= 5.82 hr/day

Unit 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93		
M01005	Diesel Oil	ltr	8.40	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	101.84	0.00	66.07	35.77	101.84	
Q0401-037	Crawler Crane, 35~37t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	3,780.00	0.00	0.00	3780.00	1970.92	1809.08	3,780.00	
Q9999	Miscellaneous	Lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	101.84	3780.00	2036.99	1917.85	3,954.77	
Unit Rate										72.85	101.52	3775.63	2034.63	1917.15	3,950.00	
Components										1.8%	2.6%	95.6%	51.5%	48.5%	100.0%	

Q0401-040 Crawler Crane, 40t

Operation Hour per Operated Day= 6.21 hr/day

Unit 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.16	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	68.64	0.00	0.00	0.00	68.64	68.64
M01005	Diesel Oil	ltr	10.80	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	130.68	0.00	84.94	45.74	130.68
Q0401-Q40	Crawler Crane, 40t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	3,050.00	0.00	0.00	3050.00	1590.29	1469.71	3,050.00
Q9999	Miscellaneous	Lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total										68.64	130.68	3050.00	1675.23	1574.09	3,249.32
Unit Rate										68.25	130.71	3050.64	1675.59	1574.35	3,250.00
Components										2.1%	4.0%	93.9%	51.6%	48.4%	100.0%

Q0401-050 Crawler Crane, 50t

Operation Hour per Operated Day= 6.21 hr/day

Unit 1.0 hr

Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.16	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	68.64	0.00	0.00	0.00	68.64	68.64	
M01005	Diesel Oil	ltr	12.50	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	151.25	0.00	98.31	52.94	151.25	
Q0401-050	Crawler Crane, 50t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	4,020.00	0.00	0.00	4020.00	2098.06	1923.94	4,020.00	
Q9999	Miscellaneous	Lst	1.00	0.0%	0.0%	100.0%	52.1%	47.9%		0.00	0.00	0.00	0.00	0.00	0.00	
	Total									68.64	151.25	4020.00	2194.37	2045.62	4,239.88	
	Unit Rate									68.64	151.25	4020.10	2194.43	4171.36	4,240.00	
	Components									1.6%	2.6%	94.8%	51.8%	48.2%	100.0%	

Q0402-011 Truck Crane, 10~11t			Operation Hour per Operated Day= 5.71 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat	Equip.	Foreign	Local		Labor	Mat	Equip.	Foreign	Local	
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22
M01005	Diesel Oil	ltr	5.40	0.0%	100.0%	0.0%	0.0%	35.0%	12.10	0.00	65.34	0.00	42.47	22.87	65.34
Q0402-011	Truck Crane, 10~11t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	1,430.00	0.00	0.00	1430.00	795.28	634.72	1,430.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										77.22	65.34	1430.00	837.75	734.91	1,572.56
Unit Rate										77.09	65.23	1427.67	836.39	734.91	1,570.00
Components										4.9%	4.2%	90.9%	53.3%	45.7%	100.0%

Q0402-016 Truck Crane, 15~16t			Operation Hour per Operated Days 5.71 hr/day												Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Component (PP)					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22	
M01005	Diesel Oil	ltr	5.30	0.0%	100.0%	0.0%	0.0%	35.0%	12.10	0.00	78.23	0.00	49.55	26.68	76.23	
Q0402-016	Truck Crane, 15~16t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	1,950.00	0.00	0.00	1950.00	1084.47	865.53	1,950.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										77.22	78.23	1950.00	1134.02	969.43	2,103.45	
Unit Rate										77.09	78.10	1946.80	1132.16	967.91	2,100.00	
Components										3.7%	3.6%	92.7%	53.9%	46.1%	100.0%	

Q0402-022 Truck Crane, 20~22t			Operation Hour per Operated Day= 5.71 hr/day												Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22	
M01005	Diesel Oil	ltr	6.50	0.0%	100.0%	0.0%	0.0%	35.0%	12.10	0.00	78.65	0.00	51.12	27.53	78.65	
Q0402-022	Truck Crane, 20~22t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	2,220.00	0.00	0.00	2220.00	1234.63	985.37	2,220.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										77.22	78.65	2220.00	1285.76	1090.11	2,375.87	
Unit Rate										77.35	78.79	2223.88	1287.99	2322.55	2,380.00	
Components										3.3%	3.3%	93.4%	54.1%	45.9%	100.0%	

Q0402-026 Truck Crane, 25t		Operation Hour per Operated Day= 5.71 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22
M01005	Diesel Oil	ltr	8.10	0.0%	100.0%	0.0%	0.0%	35.0%	12.10	0.00	98.01	0.00	63.71	34.30	98.01
Q0402-026	Truck Crane, 25t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	2,670.00	0.00	0.00	2670.00	1484.90	1185.10	2,670.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										77.22	98.01	2670.00	1548.61	1298.83	2,845.23
Unit Rate										77.35	98.17	2673.48	1551.20	2322.55	2,850.00
Components										2.7%	3.4%	93.8%	54.4%	45.6%	100.0%

Q0402-030 Truck Crane, 30t		Operation Hour per Operated Day= 5.71 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22
M01005	Diesel Oil	ltr	8.30	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	100.43	0.00	85.28	35.15	100.43
Q0402-030	Truck Crane, 30t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	3,330.00	0.00	0.00	3330.00	1851.95	1478.05	3,330.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										77.22	100.43	3330.00	1917.23	1590.42	3,507.65
Unit Rate										77.27	100.50	3332.23	1918.51	3432.73	3,510.00
Components										2.2%	2.9%	94.9%	54.7%	45.3%	100.0%

Q0402-036 Truck Crane, 35~36t				Operation Hour per Operated Day= 5.71 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		Total (PP)
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22	
M01005	Diesel Oil	ltr	12.00	0.0%	100.0%	0.0%	0.0%	65.0%	35.0%	12.10	0.00	145.20	0.00	94.38	50.82	145.20
Q0402-036	Truck Crane, 35~36t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	3,660.00	0.00	0.00	3660.00	2035.48	1624.52	3,660.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total										77.22	145.20	3660.00	2129.86	1752.52	3,882.42	
Unit Rate										77.17	145.11	3657.72	2128.63	3902.63	3,880.00	
Components										2.0%	3.7%	94.3%	54.9%	45.1%	100.0%	

Q0402-045 Truck Crane, 40~45t				Operation Hour per Operated Day= 5.71 hr/day											Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22	
M01005	Diesel Oil	ltr	12.50	0.0%	100.0%	0.0%	0.0%	35.0%	12.10	0.00	151.25	0.00	98.31	62.94	151.25	
Q0402-045	Truck Crane, 40~45t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	4,600.00	0.00	0.00	4600.00	2558.25	2041.75	4,600.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total										77.22	151.25	4600.00	2656.56	2171.91	4,828.47	
Unit Rate										77.24	151.30	4601.48	2657.40	2172.76	4,830.00	
Components										1.6%	3.1%	95.3%	55.0%	44.9%	100.0%	

Q0402-060 Truck Crane, 60t			Operation Hour per Operated Day= 5.71 hr/day												Unit: 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Totals (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	nd	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22	
H01005	Diesel Oil	ltr	12.50	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	151.25	0.00	98.31	52.94	151.25	
Q0402-060	Truck Crane, 60t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	6,020.00	0.00	0.00	6020.00	3347.07	2672.03	6,020.00	
Q0402	Miscellaneous	lbt	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									77.22	151.25	6020.00	3448.28	2802.19	6,248.94	
	Unit Rate									77.24	151.29	6021.47	3447.12	6172.76	6,250.00	
	Components									1.2%	2.4%	96.3%	55.2%	44.8%	100.0%	

Q0402-136 Truck Crane, 127~136t				Operation Hour per Operated Day= 7.80 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.13	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	55.77	0.00	0.00	0.00	55.77	55.77
M01005	Diesel Oil	ltr	19.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	238.37	0.00	154.94	83.43	238.37
Q0402-136	Truck Crane, 127~136t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	15,500.00	0.00	0.00	15500.00	8620.18	6879.82	15,500.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										55.77	238.37	15500.00	8775.12	7019.02	15,794.14
Unit Rate										55.79	238.46	15505.75	8778.38	16744.21	15,800.00
Components										0.4%	1.5%	98.1%	55.6%	44.4%	100.0%
Q0402-150 Truck Crane, 150t				Operation Hour per Operated Day= 7.80 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.13	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	55.77	0.00	0.00	0.00	55.77	55.77
M01005	Diesel Oil	ltr	23.20	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	280.72	0.00	182.47	98.25	280.72
Q0402-150	Truck Crane, 150t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	17,200.00	0.00	0.00	17200.00	9565.62	7634.38	17,200.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										55.77	280.72	17200.00	9748.09	7788.40	17,536.49
Unit Rate										55.65	280.14	17164.21	9727.81	17444.35	17,500.00
Components										0.3%	1.6%	98.1%	55.6%	44.4%	100.0%
Q0402-160 Truck Crane, 160t				Operation Hour per Operated Day= 5.71 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	77.22	77.22
M01005	Diesel Oil	ltr	24.20	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	292.82	0.00	190.33	102.49	292.82
Q0402-160	Truck Crane, 160t	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	20,700.00	0.00	0.00	20700.00	11512.12	9187.88	20,700.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										77.22	292.82	20700.00	11702.45	9367.59	21,670.04
Unit Rate										77.33	293.24	20729.42	11719.29	21022.67	21,100.00
Components										0.4%	1.4%	98.2%	55.6%	44.4%	100.0%
Q0403-020 Wheel Crane, 20~22t				Operation Hour per Operated Day= 5.93 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93
M01005	Diesel Oil	ltr	17.10	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	206.91	0.00	134.49	72.42	206.91
Q0403-020	Wheel Crane, 20~22t	hr	1.00	0.0%	0.0%	100.0%	54.0%	46.0%	2,070.00	0.00	0.00	2070.00	1117.79	952.21	2,070.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										72.93	206.91	2070.00	1252.28	1097.55	2,349.84
Unit Rate										72.93	206.92	2070.14	1252.37	2277.07	2,350.00
Components										3.1%	8.8%	88.1%	53.3%	46.7%	100.0%
Q0405-009 Lift Car, 8~9m				Operation Hour per Operated Day= 5.25 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	81.51	0.00	0.00	0.00	81.51	81.51
M01005	Diesel Oil	ltr	2.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	32.87	0.00	21.24	11.43	32.87
Q0405-009	Lift Car, 8~9m	hr	1.00	0.0%	0.0%	100.0%	57.9%	42.1%	713.00	0.00	0.00	713.00	412.66	300.34	713.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										81.51	32.87	713.00	433.90	392.28	827.18
Unit Rate										81.49	32.65	712.84	433.80	392.00	827.00
Components										9.2%	3.9%	86.2%	52.5%	47.5%	100.0%
Q0405-013 Lift Car, 12~13m				Operation Hour per Operated Day= 5.25 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	81.51	0.00	0.00	0.00	81.51	81.51
M01005	Diesel Oil	ltr	2.90	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	35.09	0.00	22.51	12.28	35.09
Q0405-013	Lift Car, 12~13m	hr	1.00	0.0%	0.0%	100.0%	57.9%	42.1%	1,060.00	0.00	0.00	1060.00	613.49	446.51	1,060.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										81.51	35.09	1060.00	636.30	540.30	1,726.60
Unit Rate										81.75	35.19	1063.06	638.14	540.35	1,800.00
Components										6.1%	3.0%	90.1%	54.1%	45.9%	100.0%
Q0503-022 Vibro Hammer, 22kW + Crawler Crane, 35~37t				Operation Hour per Operated Day= 6.56 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35
M01009	Electric Supply	kWh	6.70	0.0%	100.0%	0.0%	50.0%	50.0%	4.00	0.00	26.80	0.00	13.40	13.40	26.80
M01005	Diesel Oil	ltr	8.40	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	101.64	0.00	66.07	35.57	101.64
Q0503-022	Vibro Hammer, 22kW	hr	1.00	0.0%	0.0%	100.0%	57.1%	42.9%	887.00	0.00	0.00	887.00	508.45	388.55	887.00
Q0401-037	Crawler Crane, 35~37t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	3,780.00	0.00	0.00	3780.00	1970.92	1809.08	3,780.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										64.35	128.44	4,667.00	2,556.83	2,202.96	4,859.79
Unit Rate										64.35	128.45	4667.20	2556.94	2203.05	4,860.00
Components										1.3%	2.6%	96.0%	52.6%	47.4%	100.0%
Q0503-030 Vibro Hammer, 30kW + Crawler Crane, 35~37t				Operation Hour per Operated Day= 6.56 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35
M01009	Electric Supply	kWh	9.20	0.0%	100.0%	0.0%	60.0%	40.0%	4.00	0.00	36.80	0.00	18.40	18.40	36.80
M01005	Diesel Oil	ltr	8.40	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	101.64	0.00	66.07	35.57	101.64
Q0503-030	Vibro Hammer, 30kW	hr	1.00	0.0%	0.0%	100.0%	57.1%	42.9%	1,120.00	0.00	0.00	1120.00	639.49	480.52	1,120.00
Q0401-037	Crawler Crane, 35~37t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	3,780.00	0.00	0.00	3780.00	1970.92	1809.08	3,780.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										64.35	138.44	4,900.00	2,694.87	2,402.92	5,102.79
Unit Rate										64.21	139.35	4897.32	2693.40	2403.69	5,100.00
Components										1.3%	2.7%	96.0%	52.8%	47.2%	100.0%
Q0503-040 Vibro Hammer, 40kW + Crawler Crane, 35~37t				Operation Hour per Operated Day= 6.56 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35
M01009	Electric Supply	kWh	12.20	0.0%	100.0%	0.0%	50.0%	50.0%	4.00	0.00	48.80	0.00	24.40	24.40	48.80
M01005	Diesel Oil	ltr	8.40	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	101.64	0.00	66.07	35.57	101.64
Q0503-040	Vibro Hammer, 40kW	hr	1.00	0.0%	0.0%	100.0%	57.1%	42.9%	1,560.00	0.00	0.00	1560.00	776.61	583.40	1,560.00
Q0401-037	Crawler Crane, 35~37t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	3,780.00	0.00	0.00	3780.00	1970.92	1809.08	3,780.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										64.35	150.44	5,140.00	2,618.90	2,354.79	5,354.79
Unit Rate										64.29	150.31	5135.40	2635.35	2345.71	5,350.00
Components										1.2%	2.8%	95.0%	53.0%	47.0%	100.0%

Q0503-080 Vibro Hammer, 60kW + Crawler Crane, 40t				Operation Hour per Operated Day= 6.56 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35	
N01009	Electric Supply	kWh	18.30	0.0%	100.0%	0.0%	0.0%	50.0%	4.00	0.00	73.20	0.00	36.60	36.60	73.20	
M01005	Diesel Oil	ltr	10.80	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	130.65	0.00	84.94	84.94	130.65	
Q0503-060	Vibro Hammer, 60kW	hr	1.00	0.0%	0.0%	100.0%	37.1%	42.9%	2,030.00	0.00	0.00	2030.00	1159.06	870.94	2,030.00	
Q0401-040	Crawler Crane, 40t	hr	1.00	0.0%	0.0%	100.0%	52.1%	47.9%	3,050.00	0.00	0.00	3050.00	1590.29	1459.71	3,050.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										64.35	203.88	5,080.00	2,870.90	2,477.33	5,348.23	
Unit Rate										84.37	203.95	5081.68	2871.85	2485.63	5,350.00	
Components										1.2%	3.8%	95.0%	53.7%	46.3%	100.0%	
Q0504-025 Diesel Hammer Piling Machine, crawler, triaxial support, ram 2.5t				Operation Hour per Operated Day= 5.82 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	32.90	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	398.09	0.00	258.76	139.33	398.09	
Q0504-025	Diesel Hammer Piling Machine, crawler, triaxial support, ram 2.5t	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	9,530.00	0.00	0.00	9530.00	5122.72	4407.28	9,530.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	398.09	9530.00	5381.47	4619.55	10,001.02	
Unit Rate										72.92	398.05	9529.03	5380.93	4619.55	10,000.00	
Components										0.7%	4.0%	95.3%	53.8%	46.2%	100.0%	
Q0504-035 Diesel Hammer Piling Machine, crawler, triaxial support, ram 3.5t				Operation Hour per Operated Day= 5.82 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	43.00	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	520.30	0.00	338.20	182.11	520.30	
Q0504-035	Diesel Hammer Piling Machine, crawler, triaxial support, ram 3.5t	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	11,400.00	0.00	0.00	11400.00	6127.91	5272.09	11,400.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	520.30	11400.00	6456.10	5572.13	11,993.23	
Unit Rate										72.92	520.59	11406.41	6459.75	5572.09	12,000.00	
Components										0.6%	4.3%	95.1%	53.9%	46.1%	100.0%	
Q0504-045 Diesel Hammer Pile Driving Machine, crawler, triaxial support, ram 4.5t				Operation Hour per Operated Day= 5.82 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	50.60	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	612.26	0.00	397.97	214.29	612.26	
Q0504-045	Diesel Hammer Pile Driving Machine, crawler, triaxial support, ram 4.5t	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	12,400.00	0.00	0.00	12400.00	6665.44	5734.56	12,400.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	612.26	12400.00	7063.41	6021.78	13,085.19	
Unit Rate										73.01	612.85	12414.03	7071.41	6028.99	13,100.00	
Components										0.6%	4.7%	94.8%	54.0%	46.0%	100.0%	
Q0504-060 Diesel Hammer Piling Machine, crawler, triaxial support, ram 6.0t				Operation Hour per Operated Day= 5.82 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	64.70	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	612.26	0.00	397.97	214.29	612.26	
Q0504-060	Diesel Hammer Piling Machine, crawler, triaxial support, ram 6.0t	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	16,300.00	0.00	0.00	16300.00	8665.44	7634.56	16,300.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	612.26	16300.00	7063.41	6021.78	13,085.19	
Unit Rate										73.01	612.85	16322.00	7071.41	6028.99	13,100.00	
Components										0.6%	4.7%	94.8%	54.0%	46.0%	100.0%	
Q0504-072 Diesel Hammer Piling Machine, crawler, triaxial support, ram 7.2t				Operation Hour per Operated Day= 5.82 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	74.60	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	902.66	0.00	586.73	315.93	902.66	
Q0504-072	Diesel Hammer Piling Machine, crawler, triaxial support, ram 7.2t	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	20,000.00	0.00	0.00	20000.00	10750.72	9249.28	20,000.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	902.66	20000.00	11337.41	9638.15	20,978.59	
Unit Rate										73.01	903.71	20023.27	11350.64	9638.99	21,000.00	
Components										0.3%	4.3%	95.3%	54.1%	45.9%	100.0%	
Q0505-013 Diesel Hammer Piling Machine, crawler, boom, ram 1.3t				Operation Hour per Operated Day= 5.82 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	24.10	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	291.61	0.00	189.85	102.06	291.61	
Q0505-013	Diesel Hammer Piling Machine, crawler, boom, ram 1.3t	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	5,390.00	0.00	0.00	5390.00	2987.83	2402.17	5,390.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	291.61	5390.00	3177.37	2577.17	5,764.54	
Unit Rate										72.87	291.38	5385.75	3174.87	2577.13	5,750.00	
Components										1.3%	5.1%	93.7%	55.2%	44.8%	100.0%	
Q0505-025 Diesel Hammer Piling Machine, crawler, boom, ram 2.5t				Operation Hour per Operated Day= 5.82 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	35.70	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	431.97	0.00	280.78	151.19	431.97	
Q0505-025	Diesel Hammer Piling Machine, crawler, boom, ram 2.5t	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	5,830.00	0.00	0.00	5830.00	3231.73	2598.27	5,830.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	431.97	5830.00	3512.51	2822.29	6,334.90	
Unit Rate										72.87	431.61	5825.49	3509.79	2827.13	6,330.00	
Components										1.2%	6.8%	92.0%	55.4%	44.6%	100.0%	
Q0506-020 Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 2.0 t				Operation Hour per Operated Day= 5.82 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	40.30	0.0%	100.0%	0.0%	0.0%	65.0%	12.10	0.00	487.63	0.00	316.96	170.67	487.63	
Q0506-020	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 2.0 t	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	7,920.00	0.00	0.00	7920.00	4390.28	3529.72	7,920.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	487.63	7920.00	4707.21	3773.32	8,480.56	
Unit Rate										72.93	487.60	7919.48	4706.92	3773.00	8,480.00	
Components										0.9%	5.7%	93.4%	55.5%	44.5%	100.0%	

Q0506-045 Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 4.0~4.5 t										Operation Hour per Operated Day= 5.82 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	53.20	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	643.72	0.00	418.42	225.30	643.72	
Q0506-045	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 4.0~4.5 t	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	10,100.00	0.00	0.00	10100.00	5598.71	4501.29	10,100.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	643.72	10100.00	6017.13	4709.52	10,816.55	
Unit Rate										72.93	643.72	10084.45	6007.87	4707.18	10,800.00	
Components										0.7%	6.0%	93.4%	55.6%	44.4%	100.0%	
Q0506-065 Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 6.5 t										Operation Hour per Operated Day= 5.82 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	54.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	660.66	0.00	429.43	231.23	660.66	
Q0506-065	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 6.5 t	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	12,300.00	0.00	0.00	12300.00	6818.23	5481.77	12,300.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	660.66	12300.00	7247.66	5785.93	13,033.59	
Unit Rate										72.93	658.98	12268.30	7228.98	5727.26	13,000.00	
Components										0.6%	5.1%	94.4%	55.6%	44.4%	100.0%	
Q0506-080 Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 7.0~8.0 t										Operation Hour per Operated Day= 5.82 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	54.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	660.66	0.00	429.43	231.23	660.66	
Q0506-080	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 7.0~8.0 t	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	14,300.00	0.00	0.00	14300.00	7926.89	6373.11	14,300.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	660.66	14300.00	8356.32	6677.27	15,033.59	
Unit Rate										72.93	659.18	14268.05	8337.65	6672.65	15,000.00	
Components										0.5%	4.4%	95.1%	55.6%	44.4%	100.0%	
Q0506-125 Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 10~12.5 t										Operation Hour per Operated Day= 5.82 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	54.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	660.66	0.00	429.43	231.23	660.66	
Q0506-125	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 10~12.5 t	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	15,300.00	0.00	0.00	15300.00	8481.22	6818.78	15,300.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	660.66	15300.00	8910.64	7122.95	16,033.59	
Unit Rate										72.93	659.28	15267.95	8891.88	7097.22	16,000.00	
Components										0.5%	4.1%	95.4%	55.6%	44.4%	100.0%	
Q0507-030 Diesel Hammer & Earth Auger Piling Machine, crawler, triaxial support, ram 2.5t, auger 30kW										Operation Hour per Operated Day= 5.82 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	19.10	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	231.11	0.00	150.22	80.89	231.11	
Q0507-030	Diesel Hammer & Earth Auger Piling Machine, crawler, triaxial support, ram 2.5t, auger 30kW	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	8,460.00	0.00	0.00	8460.00	4689.61	3770.39	8,460.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	231.11	8460.00	4839.63	3924.21	8,764.04	
Unit Rate										72.93	231.00	8456.10	4837.60	3867.10	8,760.00	
Components										0.5%	2.8%	96.5%	55.2%	44.8%	100.0%	
Q0507-045 Diesel Hammer & Earth Auger Piling Machine, crawler, triaxial support, ram 3.5, auger 45kW										Operation Hour per Operated Day= 5.82 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	21.30	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	257.73	0.00	167.52	90.21	257.73	
Q0507-045	Diesel Hammer & Earth Auger Piling Machine, crawler, triaxial support, ram 3.5, auger 45kW	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	11,100.00	0.00	0.00	11100.00	6153.04	4946.96	11,100.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	257.73	11100.00	6320.56	5110.10	11,430.66	
Unit Rate										72.93	257.04	11070.23	6303.61	5137.27	11,400.00	
Components										0.5%	2.3%	97.1%	55.3%	44.7%	100.0%	
Q0508-030 Earth Auger Piling Machine, crawler, 30kW										Operation Hour per Operated Day= 5.82 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	6.30	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	76.23	0.00	49.55	28.68	76.23	
Q0508-030	Earth Auger Piling Machine, crawler, 30kW	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	8,460.00	0.00	0.00	8460.00	4689.61	3770.39	8,460.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	76.23	8460.00	4739.16	3870.00	8,609.16	
Unit Rate										72.93	76.24	8460.83	4739.63	3870.06	8,610.00	
Components										0.5%	0.9%	98.2%	55.6%	44.4%	100.0%	
Q0508-045 Earth Auger Piling Machine, crawler, 45kW										Operation Hour per Operated Day= 5.82 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	7.90	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	95.59	0.00	62.13	33.46	95.59	
Q0508-045	Earth Auger Piling Machine, crawler, 45kW	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	12,600.00	0.00	0.00	12600.00	6884.53	5615.47	12,600.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	95.59	12600.00	7045.66	5721.86	12,768.52	
Unit Rate										73.11	95.83	12631.06	7064.01	5725.89	12,800.00	
Components										0.5%	0.7%	98.7%	55.2%	44.8%	100.0%	
Q0509-045 Earth Auger, crawler, 45kW										Operation Hour per Operated Day= 5.60 hr/day					Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
1003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
N01005	Diesel Oil	ltr	6.80	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	82.28	0.00	53.48	28.80	82.28	
Q0509-045	Earth Auger, crawler, 45kW	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	11,000.00	0.00	0.00	11000.00	6097.61	4902.39	11,000.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	82.28	11000.00	6151.09	5004.12	11,155.21	
Unit Rate										73.22	82.61	11044.17	6175.79	5112.67	11,200.00	
Components										0.7%	0.7%	98.5%	55.1%	44.9%	100.0%	

Q0509-055 Earth Auger, crawler, 55kW			Operation Hour per Operated Day* 6.00 hr/day											Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	
M01005	Diesel Oil	ltr	6.80	0.0%	0.0%	0.0%	65.0%	35.0%	12.10	0.00	82.28	0.00	0.00	82.28	
Q0509-055	Earth Auger, crawler, 55kW	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	12,200.00	0.00	0.00	12200.00	6762.80	5437.20	12,200.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.0%
Total										72.93	82.28	12200.00	6816.28	5538.93	12,355.21
Unit Rate										73.19	82.58	12244.23	6840.99	5572.81	12,400.00
Components										0.6%	0.7%	99.7%	55.2%	44.8%	100.0%

Q0513-120 All Casing Excavator, 1200max			Operation Hour per Operated Day= 6.50 hr/day												Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks		
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local			
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35		
M01005	Diesel Oil	ltr	22.40	0.0%	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	271.04	0.00	176.18	94.86	271.04	
Q0513-120	All Casing Excavator, 1200max	hr	1.00	0.0%	0.0%	0.0%	100.0%	55.6%	44.4%	5,870.00	0.00	0.00	5870.00	3261.30	2608.70	5,870.00	
Q9999	Miscellaneous	lot	1.00								0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										64.35	271.04	5870.00	3437.48	2767.91	6,205.39		
Unit Rate										64.40	271.24	5874.36	3440.03	2770.00	6,210.00		
Components										1.0%	4.4%	94.6%	55.4%	44.6%	100.0%		

Q0513-150 All Casing Excavator, 1500max				Operation Hour per Operated Day= 6.50 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35
M01005	Diesel Oil	ltr	14.90	0.0%	0.0%	0.0%	65.0%	35.0%	12.10	0.00	180.29	0.00	0.00	180.29	180.29
Q0513-150	All Casing Excavator, 1500max	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	8,300.00	0.00	0.00	8300.00	4681.38	3728.62	8,300.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										64.35	180.29	8300.00	4778.57	3856.97	8,624.64
Unit Rate										64.32	180.19	8385.49	4775.00	3855.88	8,630.00
Components										0.7%	2.1%	97.2%	55.3%	44.7%	100.0%

Q0513-200 All Casing Excavator, 2000max				Operation Hour per Operated Day= 6.50 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	64.35	64.35	
M01005	Diesel Oil	ltr	14.90	0.0%	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	180.29	0.00	117.19	63.10	180.29
Q0513-200	All Casing Excavator, 2000max	hr	1.00	0.0%	0.0%	100.0%	55.6%	44.4%	11,500.00	0.00	0.00	11500.00	6389.26	5110.74	11,500.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										64.35	180.29	11500.00	6505.45	5238.19	11,744.64	
Unit Rate										64.11	179.65	11456.29	6481.72	5163.89	11,700.00	
Components										0.5%	1.5%	97.9%	55.4%	44.6%	100.0%	

Q0518-055 Reverse Circulation Drill, 55kW			Operation Hour per Operated Day* 6.18 hr/day												Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.16	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	68.64	0.00	0.00	0.00	68.64	68.64	
M01009	Electric Supply	kWh	23.40	0.0%	0.0%	0.0%	50.0%	50.0%	4.00	0.00	93.60	0.00	0.00	46.80	93.60	
Q0518-055	Reverse Circulation Drill, 55kW	hr	1.00	0.0%	0.0%	100.0%	55.3%	44.7%	3,510.00	0.00	0.00	3510.00	1941.57	1568.43	3,510.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										68.64	93.60	3510.00	1968.37	1683.87	3,672.24	
Unit Rate										68.60	93.64	3507.86	1967.16	1680.40	3,670.00	
Components										1.9%	2.5%	95.6%	54.1%	45.9%	100.0%	

Q0518-075 Reverse Circulation Drill, 75kW				Operation Hour per Operated Day* 6.18 hr/day											Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local			
L003	Operator	md	0.16	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	68.64	0.00	0.00	0.00	68.64	68.64		
M01009	Electric Supply	kWh	32.00	0.0%	0.0%	0.0%	50.0%	50.0%	4.00	0.00	128.00	0.00	0.00	64.00	128.00	128.00	
Q0518-075	Reverse Circulation Drill, 75kW	hr	1.00	0.0%	0.0%	100.0%	55.3%	44.7%	3,840.00	0.00	0.00	3840.00	2124.11	1715.89	3,840.00		
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										68.64	128.00	3840.00	2186.11	1849.53	4,026.64		
Unit Rate										58.70	128.11	3843.20	2189.94	3971.30	4,040.00		
Components										1.7%	3.2%	95.1%	54.2%	45.8%	100.0%		

Q0520-075 Sand Piling Machine, 75kW (35~37t)				Operation Hour per Operated Day= 5.91 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93
M01005	Diesel Oil	ltr	7.20	0.0%	0.0%	0.0%	65.0%	35.0%	12.10	0.00	87.12	0.00	58.63	30.49	87.12
Q0520-075	Sand Piling Machine, 75kW (35~37t)	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	15,000.00	0.00	0.00	15600.00	8647.81	6952.49	15,600.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										72.93	87.12	15600.00	8704.14	7055.91	15,760.05
Unit Rate										73.11	87.34	15639.84	8726.21	7076.89	15,800.00
Components										0.6%	0.6%	99.0%	55.2%	44.8%	100.0%

Q0520-120 Sand Piling Machine, 120kW (40t)				Operation Hour per Operated Day 5.91 hr/day											Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks		
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local			
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93		
H01003	Diesel Oil	ltr	9.10	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	110.11	0.00	0.00	0.00	38.54	110.11	
Q0520-120	Sand Piling Machine, 120kW (40t)	hr	1.00	0.0%	0.0%	100.0%	55.4%	44.6%	17,700.00	0.00	0.00	17700.79	9892.55	7898.40	17,990.00		
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
	Total									72.93	110.11	17700.00	9893.17	7999.87	17,883.04		
	Unit Rate									73.00	110.21	17716.79	9892.55	7997.00	17,990.00		
	Components									0.4%	0.5%	99.0%	55.3%	44.7%	100.0%		

Q0702-085 Concrete Pump Vehicle. 65~85m3/hr				Operation Hour per Operated Day= 7.06 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local			
L003	Operator	ad	0.14	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	60.06	0.00	0.00	0.00	0.00	60.06	60.06	
H01005	Diesel Oil	ltr	13.90	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.60	168.19	0.00	109.32	58.87	168.19	168.19	
Q0702-085	Concrete Pump Vehicle. 65~85m3/hr	hr	1.00	0.0%	0.0%	100.0%	57.2%	42.8%	2,870.00	0.00	0.00	2,870.00	1,642.71	1,227.29	2,870.00	2,870.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										60.06	168.19	0.00	1,752.03	1,346.22	3,006.25		
Unit Rate										60.09	168.28	0.00	1,752.02	1,346.22	3,009.61		
Components										1.9%	5.4%	282.6%	56.5%	43.5%	100.0%		

Q0702-110 Concrete Pump Vehicle, 90~110m3/hr				Operation Hour per Operated Day= 7.96 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.14	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	60.06	0.00	0.00	0.00	60.06	60.06	
M01005	Diesel Oil	ltr	16.70	0.0%	100.0%	0.0%	0.0%	35.0%	12.10	0.00	202.07	0.00	0.00	131.35	76.72	202.07
Q0702-110	Concrete Pump Vehicle, 90~110m3/hr	hr	1.00	0.0%	0.0%	100.0%	57.2%	42.8%	3,700.00	0.00	0.00	3700.00	2117.78	1582.22	3,700.00	
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										60.06	202.07	3700.00	2219.13	1713.00	3,962.13	
Unit Rate										60.03	201.96	3698.01	2217.92	1713.00	3,960.00	
Components										1.6%	5.1%	93.4%	56.8%	43.2%	100.0%	

Q0703-075 Concrete Pump, 70~75m3/hr			Operation Hour per Operated Day= 7.90 hr/day											Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.14	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	60.06	0.00	0.00	0.00	60.06	60.06	
M01009	Electric Supply	kw	35.70	0.0%	0.0%	0.0%	50.0%	50.0%	4.00	0.00	142.80	0.00	0.00	71.40	142.80	
Q0703-075	Concrete Pump, 70~75m3/hr	hr	1.00	0.0%	0.0%	100.0%	58.1%	41.9%	4,600.00	0.00	0.00	4600.00	2871.83	1928.17	4,600.00	
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										60.06	142.80	4600.00	2743.23	2056.83	4,800.00	
Unit Rate										60.02	142.71	4597.26	2741.59	2056.83	4,800.00	
Components										1.3%	3.0%	95.8%	57.1%	42.9%	100.0%	

Q0705-076 Concrete Spreader, 3~7.5m				Operation Hour per Operated Day= 5.88 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
M01005	Diesel Oil	ltr	4.10	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	49.61	0.00	0.00	32.28	17.36	49.61
Q0705-076	Concrete Spreader, 3~7.5m	hr	1.00	0.0%	0.0%	100.0%	53.9%	46.1%	3,140.00	0.00	0.00	3140.00	1893.39	1446.61	3,140.00	
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	49.61	3140.00	1725.83	1536.97	3,262.51	
Unit Rate										72.87	49.57	3137.56	1724.29	1537.13	3,260.00	
Components										2.2%	1.5%	96.2%	52.9%	47.1%	100.0%	

Q0706-045 Concrete Finisher, 3~4.5m			Operation Hour per Operated Day= 6.00 hr/day												Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93	
M01005	Diesel Oil	ltr	2.40	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	29.04	0.00	0.00	10.18	29.04	
Q0706-045	Concrete Finisher, 3~4.5m	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	3,140.00	0.00	0.00	3140.00	1890.67	1449.33	3,140.00	
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										72.93	29.04	3140.00	1709.55	1532.42	3,241.97	
Unit Rate										72.89	29.02	3138.09	1708.51	1537.11	3,240.00	
Components										2.2%	0.9%	96.9%	52.7%	47.3%	100.0%	

Q0706-075 Concrete Finisher, 3~7.5m			Operation Hour per Operated Day= 6.00 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93
M01005	Diesel Oil	ltr	4.10	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	49.61	0.00	32.25	17.36	49.61
Q0706075	Concrete Finisher, 3~7.5m	hr	1.00	0.0%	0.0%	100.0%	53.8%	46.2%	6,030.00	0.00	0.00	6030.00	3246.73	2783.27	6,030.00
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										72.93	49.61	6030.00	3278.98	2873.56	6,152.54
Unit Rate										72.90	49.59	6027.51	3277.83	2877.10	6,150.00
Components										1.2%	0.8%	98.0%	53.3%	46.7%	100.0%

Q0706-175 Concrete Vertical Finisher, 3~7.5m			Operation Hour per Operated Day= 5.88 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	72.93	0.00	0.00	0.00	72.93	72.93
M01005	Diesel Oil	ltr	2.20	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	28.62	0.00	0.00	9.32	28.62
Q0706-175	Concrete Vertical Finisher, 3~7.5m	hr	1.00	0.0%	0.0%	100.0%	53.9%	46.1%	4,590.00	0.00	0.00	4590.00	2475.37	2114.63	4,590.00
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										72.93	28.62	4590.00	2482.67	2104.88	4,589.55
Unit Rate										72.91	28.62	4590.00	2482.91	2104.88	4,590.00
Components										1.6%	0.6%	97.9%	53.2%	46.8%	100.0%

Q0707-005 Finishing Sced. 3.5~5m				Operation Hour per Operated Day= 5.00 hr/day										Unit 1.0 day	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	429.00	0.00	0.00	0.00	429.00	429.00
M01005	Diesel Oil	ltr	2.50	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	30.25	0.00	0.00	10.59	30.25
Q0707-005	Finishing Sced. 3.5~5m	day	1.00	0.0%	0.0%	100.0%	68.2%	31.8%	572.00	0.00	0.00	572.00	390.37	181.63	572.00
Q9999	Miscellaneous	Lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%		0.00	0.00	0.00	0.00	0.00	0.00
Total										429.00	30.25	572.00	410.03	201.22	1,031.25
Unit Rate										428.48	30.21	571.31	409.53	201.52	1,030.00
Components										41.6%	2.9%	55.6%	39.8%	60.2%	100.0%

Q0708-060 Concrete Vibrator Rod, #60mm			Operation Hour per Operated Day= 0.00 hr/day										Unit: 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01006	Gasoline	ltr	0.00	0.0%	100.0%	0.0%	65.0%	35.0%	14.20	0.00	0.00	0.00	0.00	0.00	0.00	
Q0708-060	Concrete Vibrator Rod, #60mm	day	1.00	0.0%	0.0%	100.0%	64.0%	36.0%	244.00	0.00	0.00	244.00	156.08	87.92	244.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									0.00	0.00	244.00	156.08	87.92	244.00	
	Unit Rate									0.00	0.00	244.00	156.08	244.00	244.00	
	Components									0.0%	0.0%	100.0%	64.0%	36.0%	100.0%	

Q0709-065 Concrete Cutter, blade #65cm				Operation Hour per Operated Day= 5.00 hr/day										Unit 1.0 day		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L019	Skilled Labor	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	410.00	0.00	0.00	0.00	410.00	410.00	
N01006	Gasoline	litr	18.50	0.0%	100.0%	0.0%	65.0%	35.0%	14.20	0.00	282.70	0.00	170.76	91.95	262.70	
Q0709-065	Concrete Cutter, blade #65cm	day	1.00	0.0%	0.0%	100.0%	62.0%	38.0%	2,360.00	0.00	0.00	2360.00	1462.65	897.35	2,360.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									410.00	282.70	2360.00	1633.41	1399.29	3,032.70	
	Unit Rate									409.63	282.47	2357.90	1631.95	1399.29	3,030.00	
	Components									13.5%	8.7%	77.8%	53.9%	45.1%	100.0%	

Q0709-075 Concrete Cutter, blade #75cm				Operation Hour per Operated Day= 5.00 hr/day										Unit 1.0 day		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L019	Skilled Labor	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	410.00	0.00	0.00	0.00	410.00	410.00	
N01006	Gasoline	litr	25.50	0.0%	100.0%	0.0%	65.0%	35.0%	14.20	0.00	382.10	0.00	235.37	128.74	382.10	
Q0709-075	Concrete Cutter, blade #75cm	day	1.00	0.0%	0.0%	100.0%	62.0%	38.0%	4,330.00	0.00	0.00	4330.00	2683.60	1646.40	4,330.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									410.00	382.10	4330.00	2918.96	2183.14	5,102.10	
	Unit Rate									409.83	381.95	4328.22	2917.76	2183.14	5,100.00	
	Components									8.0%	7.1%	84.9%	57.2%	42.8%	100.0%	

Q0709-106 Concrete Cutter, blade #106cm				Operation Hour per Operated Day= 5.00 hr/day										Unit 1.0 day		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L019	Skilled Labor	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	410.00	0.00	0.00	0.00	410.00	410.00	
N01006	Gasoline	litr	31.00	0.0%	100.0%	0.0%	65.0%	35.0%	14.20	0.00	440.20	0.00	286.13	154.07	440.20	
Q0709-106	Concrete Cutter, blade #106cm	day	1.00	0.0%	0.0%	100.0%	62.0%	38.0%	4,410.00	0.00	0.00	4410.00	2733.18	1676.82	4,410.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									410.00	440.20	4410.00	3019.31	2240.89	5,260.20	
	Unit Rate									409.98	440.18	4409.83	3019.19	2240.89	5,260.00	
	Components									7.8%	8.4%	83.8%	57.4%	42.6%	100.0%	

Q0710-030 Grout Pump, 15~30 ltr/min				Operation Hour per Operated Day= 0.00 hr/day										Unit 1.0 day		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	0.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	0.00	0.00	0.00	0.00	0.00	
Q0710-030	Grout Pump, 15~30 ltr/min	day	1.00	0.0%	0.0%	100.0%	52.7%	47.3%	697.00	0.00	0.00	697.00	387.24	329.76	697.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	0.00	697.00	387.24	329.76	697.00	
	Unit Rate									0.00	0.00	697.00	387.24	329.76	697.00	
	Components									0.0%	0.0%	100.0%	52.7%	47.3%	100.0%	

Q0710-100 Grout Pump, 37~100 ltr/min				Operation Hour per Operated Day= 1.50 hr/day										Unit 1.0 day		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	2.55	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	30.86	0.00	20.06	10.80	30.86	
Q0710-100	Grout Pump, 37~100 ltr/min	day	1.00	0.0%	0.0%	100.0%	52.8%	47.2%	1,370.00	0.00	0.00	1370.00	723.24	646.76	1,370.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	30.86	1370.00	743.30	657.56	1,400.86	
	Unit Rate									0.00	30.84	1369.18	742.84	656.00	1,400.00	
	Components									0.0%	2.2%	97.8%	53.1%	46.9%	100.0%	

Q0711-120 Grout Mixer, 1x200 ltr				Operation Hour per Operated Day= 0.00 hr/day										Unit 1.0 day		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	0.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	0.00	0.00	0.00	0.00	0.00	
Q0711-120	Grout Mixer, 1x200 ltr	day	1.00	0.0%	0.0%	100.0%	52.8%	47.2%	528.00	0.00	0.00	528.00	278.74	249.26	528.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	0.00	528.00	278.74	249.26	528.00	
	Unit Rate									0.00	0.00	528.00	278.74	249.26	528.00	
	Components									0.0%	0.0%	100.0%	52.8%	47.2%	100.0%	

Q0711-220 Grout Mixer, 2x200 ltr				Operation Hour per Operated Day= 1.50 hr/day										Unit 1.0 day		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	0.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	7.26	0.00	4.72	2.54	7.26	
Q0711-220	Grout Mixer, 2x200 ltr	day	1.00	0.0%	0.0%	100.0%	52.8%	47.2%	600.00	0.00	0.00	600.00	316.76	283.24	600.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	7.26	600.00	321.47	285.79	607.26	
	Unit Rate									0.00	7.25	599.74	321.33	285.00	607.00	
	Components									0.0%	1.2%	98.8%	52.9%	47.1%	100.0%	

Q0711-240 Grout Mixer, 2x400 ltr				Operation Hour per Operated Day= 0.00 hr/day										Unit 1.0 day		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	0.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	0.00	0.00	0.00	0.00	0.00	
Q0711-240	Grout Mixer, 2x400 ltr	day	1.00	0.0%	0.0%	100.0%	52.8%	47.2%	982.00	0.00	0.00	982.00	518.41	463.59	982.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	0.00	982.00	518.41	463.59	982.00	
	Unit Rate									0.00	0.00	982.00	518.41	463.59	982.00	
	Components									0.0%	0.0%	100.0%	52.8%	47.2%	100.0%	

Q0712-012 Mortar Gun, wt. 0.8~1.2m3/hr				Operation Hour per Operated Day= 6.42 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	3.50	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	42.35	0.00	27.53	14.82	42.35	
Q0712-012	Mortar Gun, wt. 0.8~1.2m3/hr	hr	1.00	0.0%	0.0%	100.0%	57.1%	42.9%	894.00	0.00	0.00	894.00	510.25	383.75	894.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	42.35	894.00	537.77	398.58	935.35	
	Unit Rate									0.00	42.33	893.67	537.67	398.00	935.00	
	Components									0.0%	4.5%	95.5%	57.1%	42.9%	100.0%	

Q0713-060 Concrete Gun, 6m3/hr				Operation Hour per Operated Day= 6.75 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01009	Electric Supply	kWh	10.30	0.0%	100.0%	0.0%	50.0%	50.0%	4.00	0.00	41.20	0.00	20.80	20.80	41.20	
Q0713-060	Concrete Gun, 6m3/hr	hr	1.00	0.0%	0.0%	100.0%	57.1%	42.9%	790.00	0.00	0.00	790.00	450.89	339.11	790.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	41.20	790.00	471.49	359.71	831.20	
	Unit Rate									0.00	41.18	789.81	471.38	359.00	831.00	
	Components									0.0%	5.0%	95.0%	56.7%	43.3%	100.0%	

Q0806-045 Asphalt Curber, 4~4.5m3/h		Operation Hour per Operated Day= 5.00 hr/day										Unit 1.0 day			
Item No	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L019	Skilled Labor	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	410.00	410.00	0.00	0.00	0.00	410.00	
N01005	Gasoline	litr	7.50	0.0%	0.0%	100.0%	0.0%	65.0%	14.20	0.00	106.50	0.00	69.23	37.28	106.50
Q0806-045	Asphalt Curber, 4~4.5m3/h	day	1.00	0.0%	0.0%	100.0%	58.8%	41.2%	1,700.00	0.00	0.00	1700.00	999.46	700.54	1,700.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total				410.00	106.50	1700.00	1068.69	1147.81							0.0%
Unit Rate				410.00	106.50	1702.68	1070.37	1869.35							
Components				18.5%	4.8%	76.7%	48.2%	51.8%							100.0%

Q0807-020 Road Cutter, wheel, 2.0m				Operation Hour per Operated Day= 5.43 hr/day										Unit 1.0 hr			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks		
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local			
L003	Operator	md	0.18	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	77.22	0.00	0.00	0.00	0.00	77.22		
N01005	Diesel Oil	litr	39.60	0.0%	0.0%	0.0%	65.0%	35.0%	12.10	0.00	479.16	0.00	311.45	167.71	479.16		
Q0807-020	Road Cutter, wheel, 2.0m	hr	1.00	0.0%	0.0%	100.0%	53.6%	46.4%	10,400.00	0.00	0.00	10400.00	5578.93	4821.07	10,400.00		
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										77.22	479.16	10400.00	5890.38	5066.00	10,956.38		
Unit Rate										77.22	481.07	10441.40	5913.83	10922.47	11,000.00		
Components										0.7%	4.4%	94.9%	53.8%	46.2%	100.0%		

Q0809-023 Road Surface Heater				Operation Hour per Operated Day= 6.57 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	64.35	0.00	0.00	0.00	0.00	64.35	
N01005	Diesel Oil	ltr	7.50	0.0%	0.0%	100.0%	0.0%	65.0%	12.10	0.00	90.76	0.00	59.99	31.76	90.76	
Q0809-023	Road Surface Heater	hr	1.00	0.0%	0.0%	100.0%	55.9%	44.1%	9,440.00	0.00	0.00	9440.00	5275.33	4164.67	9,440.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										64.35	90.76	9440.00	5334.32	4260.72	9,595.10	
Unit Rate										64.35	90.76	9440.00	5334.32	4260.72	9,595.10	
Components										0.7%	0.9%	98.4%	55.6%	44.4%	100.0%	

Q9901-025 Electric Welder, 250A			Operation Hour per Operated Day= 3.30 hr/day												Unit 1.0 day	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	0.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q9901-025	Electric Welder, 250A	day	1.00	0.0%	0.0%	100.0%	53.2%	46.8%	97.80	0.00	0.00	97.80	52.05	45.75	97.80	0.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total										0.00	0.00	97.80	52.05	45.75	97.80	
Unit Rate										0.00	0.00	97.80	52.05	45.75	97.80	
Components										0.0%	0.0%	100.0%	53.2%	46.8%	100.0%	

Q0901-050 Electric Welder, 500A		Operation Hour per Operated Day= 0.00 hr/day										Unit 1.0 day				
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	0.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Q0901-050	Electric Welder, 500A	day	1.00	0.0%	0.0%	100.0%	53.2%	46.8%	159.00	0.00	0.00	159.00	100.59	88.41	159.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										0.00	0.00	159.00	100.59	88.41	159.00	
Unit Rate										0.00	0.00	159.00	100.59	88.41	159.00	
Components										0.0%	0.0%	100.0%	53.2%	46.8%	100.0%	

Q1001-010 Generator, 10kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day				
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks		
				Component (%)						Component (PP)							
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local			
N01005	Diesel Oil	litr	6.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	79.86	0.00	61.91	27.95	79.86		
Q1001-010	Generator, 10kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	835.00	0.00	0.00	835.00	500.09	334.91	835.00		
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00		
Total										0.00	79.86	835.00	552.00	362.86	835.00		
Unit Rate										0.00	79.87	835.13	552.08	362.90	835.00		
Components										0.0%	8.7%	91.3%	60.3%	39.7%	100.0%		

Q1001-015 Generator, 15kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	6.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	105.27	0.00	68.43	36.84	105.27	
Q1001-015	Generator, 15kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	1,050.00	0.00	0.00	1050.00	628.88	421.12	1,050.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										0.00	105.27	1050.00	697.31	457.99	1,155.27	
Unit Rate										0.00	105.27	1054.30	700.14	1,160.00	1,160.00	
Components										0.0%	9.1%	90.9%	60.4%	39.6%	100.0%	

Q1001-020 Generator, 20kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	litr	9.90	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	119.79	0.00	77.68	41.93	119.79	
Q1001-020	Generator, 20kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	1,250.00	0.00	0.00	1250.00	748.64	501.36	1,250.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										0.00	119.79	1250.00	826.32	543.29	1,369.79	
Unit Rate										0.00	119.81	1250.18	826.63	543.70	1,370.00	
Components										0.0%	8.7%	91.3%	60.3%	39.7%	100.0%	

Q1001-060 Generator, 60kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	29.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	359.37	0.00	233.59	125.78	359.37	
Q1001-060	Generator, 60kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	2,050.00	0.00	0.00	2050.00	1227.77	822.23	2,050.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	359.37	2050.00	1461.36	948.01	2,409.37	
	Unit Rate									0.00	359.46	2050.54	1461.74	2410.00	2,410.00	
	Components									0.0%	14.9%	85.1%	60.7%	39.3%	100.0%	
Q1001-075 Generator, 75kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	35.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	431.97	0.00	280.78	151.19	431.97	
Q1001-075	Generator, 75kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	2,650.00	0.00	0.00	2650.00	1587.11	1062.89	2,650.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	431.97	2650.00	1867.89	1214.08	3,081.97	
	Unit Rate									0.00	431.89	2648.31	1866.70	3080.00	3,080.00	
	Components									0.0%	14.0%	86.0%	60.6%	39.4%	100.0%	
Q1001-100 Generator, 100kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	47.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	577.17	0.00	375.16	202.01	577.17	
Q1001-100	Generator, 100kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	2,690.00	0.00	0.00	2690.00	1611.07	1078.93	2,690.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	577.17	2690.00	1886.23	1280.94	3,267.17	
	Unit Rate									0.00	577.67	2692.33	1887.95	3270.00	3,270.00	
	Components									0.0%	17.7%	82.3%	60.8%	39.2%	100.0%	
Q1001-125 Generator, 125kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	60.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	733.26	0.00	476.62	256.64	733.26	
Q1001-125	Generator, 125kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	3,400.00	0.00	0.00	3400.00	2036.30	1363.70	3,400.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	733.26	3400.00	2512.92	1620.34	4,133.26	
	Unit Rate									0.00	732.68	3397.32	2510.93	4130.00	4,130.00	
	Components									0.0%	17.7%	82.3%	60.8%	39.2%	100.0%	
Q1001-150 Generator, 150kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	69.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	842.16	0.00	547.46	294.76	842.16	
Q1001-150	Generator, 150kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	3,970.00	0.00	0.00	3970.00	2377.68	1592.32	3,970.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	842.16	3970.00	2925.08	1857.08	4,812.16	
	Unit Rate									0.00	841.78	3968.22	2923.77	4810.00	4,810.00	
	Components									0.0%	17.5%	82.5%	60.8%	39.2%	100.0%	
Q1001-200 Generator, 200kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	101.10	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	1223.31	0.00	795.15	428.16	1,223.31	
Q1001-200	Generator, 200kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	5,310.00	0.00	0.00	5310.00	3180.22	2129.78	5,310.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	1223.31	5310.00	3975.37	2557.94	6,531.31	
	Unit Rate									0.00	1222.69	5307.31	3973.35	6530.00	6,530.00	
	Components									0.0%	18.7%	81.3%	60.8%	39.2%	100.0%	
Q1001-300 Generator, 300kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	128.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	1557.27	0.00	1012.23	545.04	1,557.27	
Q1001-300	Generator, 300kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	8,160.00	0.00	0.00	8160.00	4887.11	3272.89	8,160.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	1557.27	8160.00	5899.34	3517.93	9,717.27	
	Unit Rate									0.00	1557.71	8162.24	5901.00	9720.00	9,720.00	
	Components									0.0%	16.0%	84.0%	60.7%	39.3%	100.0%	
Q1001-350 Generator, 350kVA			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	171.90	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	2079.99	0.00	1351.99	728.00	2,079.99	
Q1001-350	Generator, 350kVA	day	1.00	0.0%	0.0%	100.0%	59.9%	40.1%	8,790.00	0.00	0.00	8790.00	5284.43	3525.57	8,790.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	2079.99	8790.00	6616.42	4253.57	10,669.99	
	Unit Rate									0.00	2085.73	8814.27	6634.69	10900.00	10,900.00	
	Components									0.0%	19.1%	80.9%	60.9%	39.1%	100.0%	
Q1002-037 Air Compressor, 3.5~3.7m3/min			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	16.50	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	199.65	0.00	129.77	69.88	199.65	
Q1002-037	Air Compressor, 3.5~3.7m3/min	day	1.00	0.0%	0.0%	100.0%	58.3%	41.7%	1,510.00	0.00	0.00	1510.00	880.01	629.99	1,510.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	199.65	1510.00	1009.79	699.88	1,709.65	
	Unit Rate									0.00	199.69	1510.31	1009.99	1710.00	1,710.00	
	Components									0.0%	11.7%	88.3%	60.1%	40.9%	100.0%	
Q1002-050 Air Compressor, 5.0m3/min			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	24.60	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	297.66	0.00	193.48	104.18	297.66	
Q1002-050	Air Compressor, 5.0m3/min	day	1.00	0.0%	0.0%	100.0%	58.3%	41.7%	2,150.00	0.00	0.00	2150.00	1253.00	897.00	2,150.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	297.66	2150.00	1446.48	1001.18	2,447.66	
	Unit Rate									0.00	297.94	2152.08	1447.86	2450.00	2,450.00	
	Components									0.0%	12.2%	87.8%	59.1%	40.9%	100.0%	
Q1002-076 Air Compressor, 7.5m3/min			Operation Hour per Operated Day= 3.00 hr/day										Unit 1.0 day			
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
M01005	Diesel Oil	ltr	37.20	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	450.12	0.00	292.58	157.54	450.12	
Q1002-076	Air Compressor, 7.5m3/min	day	1.00	0.0%	0.0%	100.0%	58.3%	41.7%	3,180.00	0.00	0.00	3180.00	1853.27	1326.73	3,180.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total									0.00	450.12	3180.00	2145.85	1484.27	3,630.12	
	Unit Rate									0.00	450.11	3179.89	2145.78	3630.00	3,630.00	
	Components									0.0%	12.4%	87.6%	59.1%	40.9%	100.0%	

Q1006-101 Sand Pump, 4100mm, 5.5kW		Operation Hour per Operated Day* 0.00 hr/day										Unit : 0 day				
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		Total (PP)
W01009	Electric Supply	kWh	0.00	0.0%	100.0%	0.0%	50.0%	50.0%	4.00	0.00	0.00	0.00	0.00	0.00	0.00	
Q1006-101	Sand Pump, 4100mm, 5.5kW	day	1.00	0.0%	0.0%	100.0%	55.9%	44.1%	294.00	0.00	0.00	294.00	184.40	129.60	294.00	
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									0.00	0.00	294.00	184.40	129.60	294.00	
	Unit Rate									0.00	0.00	294.00	184.40	129.60	294.00	
	Components									0.0%	0.0%	100.0%	55.9%	44.1%	100.0%	

Q1101-031 Road Washer, brush, 2~3.1m3			Operation Hour per Operated Day= 7.60 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.13	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	55.77	0.00	0.00	0.00	55.77	55.77
M01005	Diesel Oil	litr	9.50	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	114.95	0.00	74.72	40.23	114.95
Q1101-031	Road Washer, brush, 2~3.1m3	hr	1.00	0.0%	0.0%	100.0%	58.3%	41.7%	2,330.00	0.00	0.00	2330.00	1357.02	972.08	2,330.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										55.77	114.95	2330.00	1432.64	1068.08	2,500.72
Unit Rate										55.75	114.92	2329.33	1432.22	1068.08	2,500.00
Components										2.2%	4.6%	93.2%	57.3%	42.7%	100.0%

Q1101-045 Road Washer, Vacuum, 4.5m3			Operation Hour per Operated Day= 7.60 hr/day											Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L003	Operator	md	0.13	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	55.77	0.00	0.00	0.00	55.77	55.77
M01005	Diesel Oil	litr	7.70	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	93.17	0.00	60.68	32.61	93.17
Q1101-045	Road Washer, Vacuum, 4.5m3	hr	1.00	0.0%	0.0%	100.0%	58.3%	41.7%	2,130.00	0.00	0.00	2130.00	1241.36	888.64	2,130.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										55.77	93.17	2130.00	1301.92	977.02	2,278.94
Unit Rate										55.80	93.21	2130.00	1302.53	977.20	2,280.00
Components										2.4%	4.1%	93.5%	57.1%	42.9%	100.0%

Q1101-055 Road Washer, Vacuum, 5.5m3			Operation Hour per Operated Day= 7.60 hr/day												Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L003	Operator	md	0.13	100.0%	0.0%	0.0%	0.0%	100.0%	429.00	55.77	0.00	0.00	0.00	0.00	55.77	55.77
M01005	Diesel Oil	litr	8.30	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	100.43	0.00	65.28	35.15	100.43	100.43
Q1101-055	Road Washer, Vacuum, 5.5m3	hr	1.00	0.0%	0.0%	100.0%	58.3%	41.7%	3,200.00	0.00	0.00	3200.00	1864.95	1335.05	3,200.00	3,200.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										55.77	100.43	3200.00	1930.23	1425.97	3,356.20	
Unit Rate										55.83	100.54	3200.62	1932.42	1426.17	3,360.00	
Components										1.7%	3.0%	95.3%	57.5%	42.5%	100.0%	

Q1102-125 Guardrail Washer			Operation Hour per Operated Day= 5.33 hr/day												Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
L004	Driver	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	375.00	71.25	0.00	0.00	0.00	71.25	71.25	
M01005	Diesel Oil	litr	6.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	72.60	0.00	47.19	25.41	72.60	
Q1102-125	Guardrail Washer	hr	1.00	0.0%	0.0%	100.0%	56.3%	43.6%	1,750.00	0.00	0.00	1750.00	988.15	761.85	1,750.00	
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										71.25	72.60	1750.00	1035.34	858.51	1,893.85	
Unit Rate										71.11	72.45	1746.44	1033.24	858.59	1,890.00	
Components										3.8%	3.5%	92.4%	54.7%	45.3%	100.0%	

Q1103-380 Water Sprinkle Vehicle, 3800 ltr				Operation Hour per Operated Day= 4.80 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L004	Driver	md	0.21	100.0%	0.0%	0.0%	0.0%	100.0%	375.00	78.75	0.00	0.00	0.00	78.75	78.75
M01005	Diesel Oil	litr	4.80	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	58.08	0.00	37.75	20.33	58.08
Q1103-380	Water Sprinkle Vehicle, 3800 ltr	hr	1.00	0.0%	0.0%	100.0%	55.8%	44.2%	691.00	0.00	0.00	691.00	385.27	305.73	691.00
Q9999	Miscellaneous	lot	1.00	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.0%
Total										78.75	58.08	691.00	423.02	404.81	827.93
Unit Rate										78.77	58.09	691.14	423.10	404.93	828.00
Components										9.6%	7.0%	83.5%	51.1%	48.9%	100.0%

Q1103-650 Water Sprinkle Vehicle, 5500~6500 ltr			Operation Hour per Operated Day= 4.80 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L004	Driver	md	0.21	100.0%	0.0%	0.0%	0.0%	100.0%	375.00	78.75	0.00	0.00	0.00	78.75	78.75
M01005	Diesel Oil	litr	5.40	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	65.34	0.00	42.47	22.87	65.34
Q1103-650	Water Sprinkle Vehicle, 5500~6500 ltr	hr	1.00	0.0%	0.0%	100.0%	55.8%	44.2%	918.00	0.00	0.00	918.00	510.71	405.29	918.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										78.75	65.34	918.00	553.18	505.91	1,059.09
Unit Rate										78.74	65.33	918.00	553.14	505.91	1,059.00
Components										7.4%	6.2%	86.4%	52.2%	47.8%	100.0%

Q1104-600 Guardrail Post Piler, 400~600kg				Operation Hour per Operated Day= 6.38 hr/day										Unit 1.0 hr	
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks
				Component (%)						Component (PP)					
				Labor	Mat.	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local	
L004	Driver	md	0.16	100.0%	0.0%	0.0%	0.0%	100.0%	375.00	60.00	0.00	0.00	0.00	60.00	60.00
M01005	Diesel Oil	litr	1.50	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	18.15	0.00	11.80	6.35	18.15
Q1104-600	Guardrail Post Piler, 400~600kg	hr	1.00	0.0%	0.0%	100.0%	57.2%	42.8%	1,430.00	0.00	0.00	1430.00	818.49	611.51	1,430.00
Q9999	Miscellaneous	lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00
Total										60.00	18.15	1430.00	830.29	617.85	1,508.15
Unit Rate										60.07	18.17	1431.75	831.31	618.93	1,510.00
Components										4.0%	1.2%	94.8%	55.1%	44.9%	100.0%

Q1106-015 Line Marker (Solution Type, Hand Guide) 15cm				Operation Hour per Operated Day= 3.70 hr/day										Unit 1.0 hr		
Item No.	Description	Unit	Quantity	Unit Cost					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Labor	Mat	Equip.	Foreign	Local		Labor	Mat.	Equip.	Foreign	Local		
N01005	Diesel Oil	ltr	0.00	0.0%	100.0%	0.0%	65.0%	35.0%	12.10	0.00	0.00	0.00	0.00	0.00	0.00	
Q1106-015	Line Marker (Solution Type, Hand Guide) 15cm	hr	1.00	0.0%	0.0%	100.0%	60.5%	39.5%	65.40	0.00	0.00	65.40	39.5%	25.86	65.40	
Q9999	Miscellaneous	Lot	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									0.00	0.00	65.40	39.5%	25.86	65.40	
	Unit Rate									0.00	0.00	65.40	39.5%	25.86	65.40	
	Comments									0.0%	0.0%	100.0%	60.5%	39.5%	100.0%	

12. Equipment Depreciation Cost

Currency Rate 1 US\$ = 52.28 PP
= 120.12 yen

Currency Rate 1 US\$ = 52.28 PP = 120.12 yen														Proportion of Foreign/Local				Foreign		Local		D Diesel		E Electricity		G Gasoline		H Heavy Oil	
														Redemption Cost				1/(1+Tax)		1 - Foreign									
														Maintenance & Repair Cost				50.0%		50.0%									
														Annual Management Cost				0.0%		100.0%									
Code No.	Description	Power	Weight	CIF Price	Tax Rate		Durable Years	Annual Standard			Resump-tion Rate	Main-tenance & Repair Rate	Annual Manage-ment Rate	Converted Depreciation per Operation Hour (or day)					Converted Depreciation per Provided Day					Fuel Consumption		Operation Hour per Provided day (hr/day)	Operation Hour per Operation day (hr/day)		
					Import	VAT		Operation Hours	Operation Days	Provide d Days				Rate	Amount	Component			Rate	Amount	Component			Type	lit/PS- hr/mm			lit/hr (kW/hr)	
																Foreign	Local	Tax			Foreign	Local	Tax						
(kW)	(t)	(1000xPP)	(%)	(%)	(years)	(hr)	(day)	(day)	(%)	(%)	(%)	(x10 ⁻⁴)	(PP)	(%)	(%)	(%)	(x10 ⁻⁵)	(PP)	(%)	(%)	(%)								
1. Excavation Equipment																													
Q0101-015	Bulldozer, 15t	100.0	14.60	6,270.00	10.0%	10.0%	11.3	580	110	200	10.0%	48.8%	4.5%	hr	289	2,190.00	52.1%	47.9%	14.8%	839	6,370.00	52.1%	47.9%	14.8%	D	0.188	18.8	2.90	5.27
Q0101-021	Bulldozer, 21t	152.0	21.90	11,600.00	10.0%	10.0%	10.1	790	120	220	14.0%	48.8%	4.5%	hr	226	3,170.00	53.0%	47.0%	14.9%	811	11,400.00	53.0%	47.0%	14.9%	D	0.188	28.6	3.59	6.58
Q0105-010	Backhoe, hydraulic, crawler, 0.1m ³	25.0	4.20	1,960.00	10.0%	10.0%	6.9	0	120	200	13.0%	30.0%	4.5%	day	1788	4,240.00	58.7%	41.3%	15.3%	1073	2,540.00	58.7%	41.3%	15.3%	D	0.188	4.7	0.00	5.00
Q0105-035	Backhoe, hydraulic, crawler, 0.35m ³	60.0	11.80	3,240.00	10.0%	10.0%	7.2	820	150	220	14.0%	33.8%	4.5%	hr	258	1,010.00	57.8%	42.2%	15.3%	961	3,770.00	57.8%	42.2%	15.3%	D	0.188	11.3	3.73	5.47
Q0105-060	Backhoe, hydraulic, crawler, 0.60m ³	104.0	19.80	5,570.00	10.0%	10.0%	7.2	820	150	220	14.0%	33.8%	4.5%	hr	258	1,740.00	57.8%	42.2%	15.3%	961	6,480.00	57.8%	42.2%	15.3%	D	0.188	19.6	3.73	5.47
Q0106-004	Clamshell, crawler, 0.3m ³	40.0	10.70	3,400.00	10.0%	10.0%	7.7	750	120	190	11.0%	37.5%	4.5%	hr	279	1,150.00	57.3%	42.7%	15.2%	1102	4,530.00	57.3%	42.7%	15.2%	D	0.188	7.5	3.95	6.25
Q0106-006	Clamshell, crawler, 0.6m ³	85.0	19.10	6,140.00	10.0%	10.0%	7.7	750	120	190	11.0%	37.5%	4.5%	hr	279	2,070.00	57.3%	42.7%	15.2%	1102	8,190.00	57.3%	42.7%	15.2%	D	0.188	16.0	3.95	6.25
Q0106-008	Clamshell, crawler, 0.6m ³ Deep	85.0	20.00	7,050.00	10.0%	10.0%	7.7	790	120	200	11.0%	33.8%	4.5%	hr	259	2,210.00	57.4%	42.6%	15.2%	1022	8,720.00	57.4%	42.6%	15.2%	D	0.188	16.0	3.95	6.58
Q0107-034	Tractor Shovel, wheel, 0.34m ³	21.0	2.40	1,370.00	10.0%	10.0%	11.0	540	120	190	8.0%	48.8%	4.5%	hr	320	530.00	52.8%	47.2%	14.8%	911	1,510.00	52.8%	47.2%	14.8%	D	0.156	3.3	2.84	4.50
Q0107-080	Tractor Shovel, wheel, 0.8m ³	42.0	4.80	2,050.00	10.0%	10.0%	11.0	540	120	190	8.0%	48.8%	4.5%	hr	320	794.00	52.8%	47.2%	14.8%	911	2,260.00	52.8%	47.2%	14.8%	D	0.156	6.6	2.84	4.50
Q0107-120	Tractor Shovel, wheel, 1.2m ³	62.0	6.80	2,680.00	10.0%	10.0%	11.0	540	120	190	8.0%	48.8%	4.5%	hr	320	1,040.00	52.8%	47.2%	14.8%	911	2,950.00	52.8%	47.2%	14.8%	D	0.156	9.7	2.84	4.50
2. Demolition Equipment																													
Q0201-080	Giant Breaker, hydraulic, 600~800kg	0.0	0.70	1,180.00	10.0%	10.0%	6.1	0	70	130	8.0%	18.8%	3.5%	day	3095	4,420.00	64.6%	35.4%	15.8%	1666	2,380.00	64.6%	35.4%	15.8%	D	0.000	0.0	0.00	0.00
Q0201-130	Giant Breaker, hydraulic, 1300kg	0.0	1.50	2,000.00	10.0%	10.0%	6.1	0	70	130	8.0%	18.8%	3.5%	day	3095	7,490.00	64.6%	35.4%	15.8%	1666	4,030.00	64.6%	35.4%	15.8%	D	0.000	0.0	0.00	0.00
Q0202-018	Crawler Drill, 180kg	0.0	9.50	12,600.00	10.0%	10.0%	7.6	500	100	150	8.0%	33.8%	4.5%	hr	421	6,420.00	58.1%	41.9%	15.3%	1404	21,400.00	58.1%	41.9%	15.3%	D	0.000	0.0	3.33	5.00
Q0203-100	Concrete Crusher, 56~100t	0.0	1.80	2,300.00	10.0%	10.0%	4.5	0	100	150	8.0%	22.5%	3.5%	day	2894	8,050.00	67.0%	33.0%	16.1%	1930	5,370.00	67.0%	33.0%	16.1%	D	0.000	0.0	0.00	0.00
Q0204-020	Concrete Breaker, 20kg	0.0	0.02	21.80	10.0%	10.0%	4.5	0	70	120	8.0%	22.5%	3.5%	day	4135	109.00	67.0%	33.0%	16.1%	2412	63.60	67.0%	33.0%	16.1%	D	0.000	0.0	0.00	0.00
Q0205-030	Leg Hammer, 30kg	0.0	0.03	108.00	10.0%	10.0%	4.5	0	80	140	8.0%	30.0%	3.5%	day	3826	500.00	66.1%	33.9%	16.0%	2187	286.00	66.1%	33.9%	16.0%	D	0.000	0.0	0.00	0.00
Q0206-001	Pick Hammer	0.0	0.01	13.50	10.0%	10.0%	4.5	0	80	140	8.0%	33.8%	3.5%	day	3932	64.20	65.7%	34.3%	16.0%	2247	38.70	65.7%	34.3%	16.0%	D	0.000	0.0	0.00	0.00
Q0207-020	Hammer	0.0	0.02	73.60	10.0%	10.0%	4.5	0	70	120	8.0%	22.5%	3.5%	day	4135	368.00	67.0%	33.0%	16.1%	2412	215.00	67.0%	33.0%	16.1%	D	0.000	0.0	0.00	0.00
3. Leveling & Compaction Equipment																													
Q0301-031	Motor Grader, 3.1m	85.0	10.10	4,570.00	10.0%	10.0%	11.8	470	90	140	9.0%	30.0%	4.5%	hr	314	1,740.00	51.8%	48.2%	14.7%	1054	5,830.00	51.8%	48.2%	14.7%	D	0.110	9.4	3.36	5.22
Q0302-204	Stabilizer, W=2.0m, D=0.4m	179.0	18.80	17,900.00	10.0%	10.0%	9.1	260	50	70	8.0%	48.8%	4.5%	hr	768	16,600.00	55.3%	44.7%	15.1%	2853	61,800.00	55.3%	44.7%	15.1%	D	0.113	20.2	3.71	5.20
Q0303-012	Road Roller, macadam, 10~12t	66.0	10.60	3,230.00	10.0%	10.0%	12.2	470	90	130	12.0%	26.3%	4.5%	hr	295	1,150.00	50.8%	49.2%	14.6%	1067	4,170.00	50.8%	49.2%	14.6%	D	0.114	7.5	3.62	5.22
Q0304-020	Tire Roller, 8~20t	71.0	14.80	3,150.00	10.0%	10.0%	12.2	450	90	150	9.0%	33.8%	4.5%	hr	327	1,250.00	51.3%	48.7%	14.7%	982	3,740.00	51.3%	48.7%	14.7%	D	0.102	7.2	3.00	5.00
Q0305-011	Vibration Roller, Handv, 0.8~1.1t	5.0	0.80	527.00	10.0%	10.0%	10.6	470	90	130	7.0%	30.0%	3.5%	hr	321	205.00	57.4%	42.6%	15.2%	1162	741.00	57.4%	42.6%	15.2%	D	0.205	1.0	3.62	5.22
Q0305-140	Vibration Roller, combined, 3~4t	21.0	3.60	2,020.00	10.0%	10.0%	10.6	480	100	160	7.0%	30.0%	4.5%	hr	335	819.00	53.8%	46.2%	14.9%	1006	2,460.00	53.8%	46.2%	14.9%	D	0.155	3.3	3.00	4.80
Q0305-210	Vibration Roller, tandem, 8~10t	97.0	10.20	5,270.00	10.0%	10.0%	10.6	410	80	120	7.0%	30.0%	4.5%	hr	393	2,510.00	53.8%	46.2%	14.9%	1342	8,560.00	53.8%	46.2%	14.9%	D	0.155	15.0	3.42	5.13
Q0306-010	Tamper and Hammer, 60~100kg	3.0	0.04	78.30	10.0%	10.0%	4.6	0	80	120	8.0%	37.5%	3.5%	day	3957	375.00	65.1%	34.9%	15.9%	2638	250.00	65.1%	34.9%	15.9%	G	0.310	0.9	0.00	5.00
Q0307-110	Vibration Compactor, 100~110kg	4.0	0.11	93.10	10.0%	10.0%	4.6	0	100	140	8.0%	41.3%	3.5%	day	3248	366.00	64.7%	35.3%	15.9%	2320	261.00	64.7%	35.3%	15.9%	G	0.310	1.2	0.00	5.00
4. Lifting Equipment																													
Q0401-022	Crawler Crane, 22.5t	71.0	26.60	7,180.00	10.0%	10.0%	10.9	640	110	180	13.0%	45.0%	4.5%	hr	260	2,260.00	52.1%	47.9%	14.8%	923	8,020.00	52.1%	47.9%	14.8%	D	0.095	6.7	3.56	5.82
Q0401-027	Crawler Crane, 25~27t	85.0	27.80	8,570.00	10.0%	10.0%	10.9	640	110	180	13.0%	45.0%	4.5%	hr	260	2,700.00	52.1%	47.9%	14.8%	923	9,570.00	52.1%	47.9%	14.8%	D	0.095	8.1	3.56	5.82
Q0401-037	Crawler Crane, 35~37t	88.0	36.20	12,000.00	10.0%	10.0%	10.9	640	110	180	13.0%	45.0%	4.5%	hr	260	3,780.00	52.1%	47.9%	14.8%	923	13,400.00	52.1%	47.9%	14.8%	D	0.095	8.4	3.56	5.82
Q0401-040	Crawler Crane, 40t	114.0	41.10	13,200.00	10.0%	10.0%	10.9	870	140	190	13.0%	45.0%	4.5%	hr	191	3,050.00	52.1%	47.9%	14.8%	874	14,000.00	52.1%	47.9%	14.8%	D	0.095	10.8	4.58	6.21
Q0401-050	Crawler Crane, 50t	132.0	49.80	17,400.00	10.0%	10.0%	10.9	870	140	190	13.0%	45.0%	4.5%	hr	191	4,020.00	52.1%	47.9%	14.8%	874	18,400.00	52.1%	47.9%	14.8%	D	0.095	12.5	4.58	6.21
Q0401-060	Crawler Crane, 60t	140.0	65.60	23,200.00	10.0%	10.0%	10.9	870	140	190	13.0%	45.0%	4.5%	hr	191	5,360.00	52.1%	47.9%	14.8%	874	24,500.00	52.1%	47.9%	14.8%	D	0.095	13.3	4.58	6.21
Q0402-005	Truck Crane, 4.8~4.9t	107.0	7.90	3,100.00	10.0%	10.0%	9.0	800	140	190	12.0%	22.5%	4.5%	hr	210	788.00	55.6%	44.4%	15.0%	883	3,310.00	55.6%	44.4%	15.0%	D	0.050	5.4	4.21	5.71
Q0402-011	Truck Crane, 10~11t	107.0	19.80	5,610.00	10.0%	10.0%	9.0	800	140	190	12.0%	22.5%	4.5%	hr	210	1,430.00	55.6%	44.4%	15.0%	883	5,990.00	55.6%	44.4%	15.0%	D	0.050	5.4	4.21	5.71
Q0402-016	Truck Crane, 15~16t	125.0	19.80	7,660.00	10.0%	10.0%	9.0	800	140	190	12.0%	22.5%	4.5%	hr	210	1,950.00	55.6%	44.4%	15.0%	883	8,180.00	55.6%	44.4%	15.0%	D	0.050	6.3	4.21	5.71
Q0402-022	Truck Crane, 20~22t	129.0	23.60	8,750.00	10.0%	10.0%	9.0	800	140	190	12.0%	22.5%	4.5%	hr	210	2,220.00	55.6%	44.4%	15.0%	883	9,350.00	55.6%	44.4%	15.0%	D	0.050	6.5	4.21	5.71
Q0402-025	Truck Crane, 25t	162.0	28.50	10,500.00	10.0%	10.0%	9.0	800	140	190	12.0%	22.5%	4.5%	hr	210	2,670.00	55.6%	44.4%	15.0%	883	11,200.00	55.6%	44.4%	15.0%	D	0.050	8.1	4.21	5.71
Q0402-030	Truck Crane, 30t	165.0	31.50	13,100.00	10.0%	10.0%	9.0	800	140	190	12.0%	22.5%	4.5%	hr	210	3,350.00	55.6%	44.4%	15.0%	883	14,000.00	55.6%	44.4%	15.0%	D	0.050	8.3	4.21	5.71

Code No.	Description	Power	Weight	CIF Price	Tax Rate		Durable Years	Annual Standard			Resumption Rate	Maintenance & Repair Rate	Annual Management Rate	Converted Depreciation per Operation Hour (or day)					Converted Depreciation per Provided Day					Fuel Consumption		Operation hour per Provided day (hr/day)	Operation hour per Operation day (hr/day)		
					Import	VAT		Operation Hours	Operation Days	Provide d Days				Rate	Amount	Component			Rate	Amount	Component			Type	Rate			Amount	
																Foreign	Local	Tax			Foreign	Local	Tax						
(kW)	(t)	(1000s/PP)	(%)	(%)	(years)	(hr)	(day)	(day)	(%)	(%)	(%)	(x10 ⁻⁴)	(PP)	(%)	(%)	(%)	(x10 ⁻⁴)	(PP)	(%)	(%)	(%)	liters/kWh	(kW/hr)						
Q0406-110	Portal Crane Hoist, 10t	12.0	1.20	1,140.00	10.0%	10.0%	11.7	0	110	220	11.0%	63.8%	3.5%	day	1505	2,080.00	54.4%	45.6%	15.0%	753	1,040.00	54.4%	45.6%	15.0%	D	0.000	0.0	0.00	0.00
Q0407-030	Lever Block, 3.0t	0.0	0.02	27.90	10.0%	10.0%	5.0	0	0	155	10.0%	26.3%	3.5%	day	1505	2,080.00	65.4%	34.6%	15.0%	1726	58.30	65.4%	34.6%	15.0%	D	0.000	0.0	0.00	0.00
Q0408-010	Chain Block, 1.0t	1.5	0.06	73.10	10.0%	10.0%	7.6	0	0	170	8.0%	75.0%	3.5%	day	1505	2,080.00	58.6%	41.4%	15.4%	1498	132.00	58.6%	41.4%	15.4%	D	0.000	0.0	0.00	0.00
5. Piling Equipment																													
Q0501-013	Diesel Hammer, 1.3t	1.3	2.90	2,240.00	10.0%	10.0%	7.8	440	70	120	8.0%	33.8%	4.5%	hr	469	1,270.00	57.8%	42.2%	15.3%	1719	4,660.00	57.8%	42.2%	15.3%	D	7.648	9.9	3.67	6.29
Q0501-025	Diesel Hammer, 2.5t	2.5	5.30	3,470.00	10.0%	10.0%	7.8	440	70	120	8.0%	33.8%	4.5%	hr	469	1,970.00	57.8%	42.2%	15.3%	1719	7,220.00	57.8%	42.2%	15.3%	D	7.648	19.1	3.67	6.29
Q0501-035	Diesel Hammer, 3.5t	3.5	8.10	4,400.00	10.0%	10.0%	7.8	440	70	120	8.0%	33.8%	4.5%	hr	469	2,500.00	57.8%	42.2%	15.3%	1719	9,150.00	57.8%	42.2%	15.3%	D	7.648	26.8	3.67	6.29
Q0501-045	Diesel Hammer, 4.5t	4.5	10.70	6,400.00	10.0%	10.0%	7.8	440	70	120	8.0%	33.8%	4.5%	hr	469	3,630.00	57.8%	42.2%	15.3%	1719	13,300.00	57.8%	42.2%	15.3%	D	7.648	34.4	3.67	6.29
Q0501-060	Diesel Hammer, 6.0t	6.0	15.00	9,710.00	10.0%	10.0%	7.8	440	70	120	8.0%	33.8%	4.5%	hr	469	5,510.00	57.8%	42.2%	15.3%	1719	20,200.00	57.8%	42.2%	15.3%	D	7.648	45.9	3.67	6.29
Q0501-072	Diesel Hammer, 7.2t	7.2	18.40	12,400.00	10.0%	10.0%	7.8	440	70	120	8.0%	33.8%	4.5%	hr	469	7,040.00	57.8%	42.2%	15.3%	1719	25,800.00	57.8%	42.2%	15.3%	D	7.648	55.1	3.67	6.29
Q0502-020	Hydraulic Pile Hammer, 2t	81.0	6.80	7,440.00	10.0%	10.0%	7.8	480	70	120	8.0%	37.5%	4.5%	hr	440	3,960.00	57.6%	42.4%	15.3%	1759	15,800.00	57.6%	42.4%	15.3%	D	0.313	25.4	4.00	6.86
Q0502-045	Hydraulic Pile Hammer, 4~4.5t	107.0	11.60	11,200.00	10.0%	10.0%	7.8	480	70	120	8.0%	37.5%	4.5%	hr	440	5,960.00	57.6%	42.4%	15.3%	1759	23,800.00	57.6%	42.4%	15.3%	D	0.313	33.5	4.00	6.86
Q0502-065	Hydraulic Pile Hammer, 6.5t	110.0	12.30	12,700.00	10.0%	10.0%	7.8	480	70	120	8.0%	37.5%	4.5%	hr	440	6,760.00	57.6%	42.4%	15.3%	1759	27,000.00	57.6%	42.4%	15.3%	D	0.313	34.4	4.00	6.86
Q0502-125	Hydraulic Pile Hammer, 10~12.5t	110.0	23.50	15,700.00	10.0%	10.0%	7.8	480	70	120	8.0%	37.5%	4.5%	hr	440	8,360.00	57.6%	42.4%	15.3%	1759	33,400.00	57.6%	42.4%	15.3%	D	0.313	34.4	4.00	6.86
Q0503-022	Vibro Hammer, 22kW	22.0	1.90	1,920.00	10.0%	10.0%	7.8	590	90	120	8.0%	48.8%	4.5%	hr	382	887.00	57.1%	42.9%	15.2%	1879	4,370.00	57.1%	42.9%	15.2%	E	0.305	6.7 kW/hr	4.92	6.56
Q0503-030	Vibro Hammer, 30kW	30.0	2.40	2,420.00	10.0%	10.0%	7.8	590	90	120	8.0%	48.8%	4.5%	hr	382	1,120.00	57.1%	42.9%	15.2%	1879	5,500.00	57.1%	42.9%	15.2%	E	0.305	9.2 kW/hr	4.92	6.56
Q0503-040	Vibro Hammer, 40kW	40.0	3.30	2,950.00	10.0%	10.0%	7.8	590	90	120	8.0%	48.8%	4.5%	hr	382	1,360.00	57.1%	42.9%	15.2%	1879	6,710.00	57.1%	42.9%	15.2%	E	0.305	12.2 kW/hr	4.92	6.56
Q0503-060	Vibro Hammer, 60kW	60.0	4.80	4,400.00	10.0%	10.0%	7.8	590	90	120	8.0%	48.8%	4.5%	hr	382	2,030.00	57.1%	42.9%	15.2%	1879	10,000.00	57.1%	42.9%	15.2%	E	0.305	18.3 kW/hr	4.92	6.56
Q0504-025	Diesel Hammer Piling Machine, crawler, triaxial support, ram 2.5t	75.0	59.50	19,300.00	10.0%	10.0%	9.3	640	110	190	8.0%	108.8%	4.5%	hr	408	9,530.00	53.8%	46.2%	15.0%	1373	32,100.00	53.8%	46.2%	15.0%	D	0.184	32.9	3.37	5.82
Q0504-035	Diesel Hammer Piling Machine, crawler, triaxial support, ram 3.5t	88.0	61.60	23,100.00	10.0%	10.0%	9.3	640	110	190	8.0%	108.8%	4.5%	hr	408	11,400.00	53.8%	46.2%	15.0%	1373	38,400.00	53.8%	46.2%	15.0%	D	0.184	43.0	3.37	5.82
Q0504-045	Diesel Hammer Pile Driving Machine, crawler, triaxial support, ram 4.5t	88.0	64.10	25,200.00	10.0%	10.0%	9.3	640	110	190	8.0%	108.8%	4.5%	hr	408	12,400.00	53.8%	46.2%	15.0%	1373	41,900.00	53.8%	46.2%	15.0%	D	0.184	50.6	3.37	5.82
Q0504-060	Diesel Hammer Piling Machine, crawler, triaxial support, ram 6.0t	102.0	71.10	33,100.00	10.0%	10.0%	9.3	640	110	190	8.0%	108.8%	4.5%	hr	408	16,300.00	53.8%	46.2%	15.0%	1373	55,000.00	53.8%	46.2%	15.0%	D	0.184	64.7	3.37	5.82
Q0504-072	Diesel Hammer Piling Machine, crawler, triaxial support, ram 7.2t	106.0	79.40	40,600.00	10.0%	10.0%	9.3	640	110	190	8.0%	108.8%	4.5%	hr	408	20,000.00	53.8%	46.2%	15.0%	1373	67,400.00	53.8%	46.2%	15.0%	D	0.184	74.6	3.37	5.82
Q0505-013	Diesel Hammer Piling Machine, crawler, boom, ram 1.3t	77.0	24.00	15,800.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	5,390.00	55.4%	44.6%	15.0%	949	18,100.00	55.4%	44.6%	15.0%	D	0.184	24.1	3.37	5.82
Q0505-025	Diesel Hammer Piling Machine, crawler, boom, ram 2.5t	90.0	36.50	17,100.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	5,830.00	55.4%	44.6%	15.0%	949	19,600.00	55.4%	44.6%	15.0%	D	0.184	35.7	3.37	5.82
Q0506-020	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 2.0 t	81.0	62.00	23,200.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	7,920.00	55.4%	44.6%	15.0%	949	26,600.00	55.4%	44.6%	15.0%	D	0.184	40.3	3.37	5.82
Q0506-045	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 4.0~4.5 t	107.0	66.90	29,700.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	10,100.00	55.4%	44.6%	15.0%	949	34,100.00	55.4%	44.6%	15.0%	D	0.184	53.2	3.37	5.82
Q0506-065	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 6.5 t	110.0	70.30	36,000.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	12,300.00	55.4%	44.6%	15.0%	949	41,300.00	55.4%	44.6%	15.0%	D	0.184	54.6	3.37	5.82
Q0506-080	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 7.0~8.0 t	110.0	79.40	41,800.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	14,300.00	55.4%	44.6%	15.0%	949	48,000.00	55.4%	44.6%	15.0%	D	0.184	54.6	3.37	5.82
Q0506-125	Hydraulic Hammer Piling Machine, crawler, triaxial support, ram 10~12.5 t	110.0	84.50	44,800.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	15,300.00	55.4%	44.6%	15.0%	949	51,400.00	55.4%	44.6%	15.0%	D	0.184	54.6	3.37	5.82
Q0507-030	Diesel Hammer & Earth Auger Piling Machine, crawler, triaxial support, ram 2.5t, auger 30kW	104.0	75.10	24,800.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	8,460.00	55.4%	44.6%	15.0%	949	28,500.00	55.4%	44.6%	15.0%	D	0.184	19.1	3.37	5.82
Q0507-045	Diesel Hammer & Earth Auger Piling Machine, crawler, triaxial support, ram 3.5, auger 45kW	116.0	90.90	32,600.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	11,100.00	55.4%	44.6%	15.0%	949	37,400.00	55.4%	44.6%	15.0%	D	0.184	21.3	3.37	5.82
Q0508-030	Earth Auger Piling Machine, crawler, 30kW	72.0	65.00	24,800.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	8,460.00	55.4%	44.6%	15.0%	949	28,500.00	55.4%	44.6%	15.0%	D	0.087	6.3	3.37	5.82
Q0508-045	Earth Auger Piling Machine, crawler, 45kW	91.0	70.00	37,000.00	10.0%	10.0%	9.3	640	110	190	8.0%	33.8%	4.5%	hr	282	12,600.00	55.4%	44.6%	15.0%	949	42,500.00	55.4%	44.6%	15.0%	D	0.087	7.9	3.37	5.82
Q0509-045	Earth Auger, crawler, 45kW	78.0	61.00	33,300.00	10.0%	10.0%	9.3	660	110	190	8.0%	33.8%	4.5%	hr	273	11,000.00	55.4%	44.6%	15.0%	949	38,200.00	55.4%	44.6%	15.0%	D	0.087	6.8	3.47	6.00
Q0509-055	Earth Auger, crawler, 55kW	78.0	61.80	36,800.00	10.0%	10.0%	9.3	660	110	190	8.0%	33.8%	4.5%	hr	273	12,200.00	55.4%	44.6%	1										

Code No.	Description	Power	Weight	CIF Price	Tax Rate		Durable Years	Annual Standard			Resumption Rate	Maintenance & Repair Rate	Annual Management Rate	Converted Depreciation per Operation Hour (or day)					Converted Depreciation per Provided Day					Fuel Consumption		Operation Hour per Provided day (hr/day)	Operation Hour per operation day (hr/day)		
					Import	VAT		Operation Hours	Operation Days	Provide d Days				Rate	Amount	Component			Rate	Amount	Component			Type	Rate			Amount	
																Foreign	Local	Tax			Foreign	Local	Tax						
																													(%)
(kW)	(t)	(1000xPP)	(%)	(%)	(years)	(hr)	(day)	(day)	(%)	(%)	(%)	(x10 ⁻³)	(PP)	(%)	(%)	(%)	(x10 ⁻⁵)	(PP)	(%)	(%)	(%)	ltr/hrs- hr	ltr/hr (kW/hr)						
Q0514-150	Hammer Grab, ϕ 1500	0.0	3.30	2,860.00	10.0%	10.0%	3.1	0	0	150	8.0%	30.0%	4.5%	day		67.0%	33.0%	16.1%	2924	10,100.00	67.0%	33.0%	16.1%	D	0.000	0.0	0.00	0.00	
Q0515-001	Hammer Crown, $\leq \phi$ 1200	0.0	0.10	206.00	10.0%	10.0%	1.5	0	0	150	8.0%	30.0%	4.5%	day		70.7%	29.3%	16.4%	5722	1,430.00	70.7%	29.3%	16.4%	D	0.000	0.0	0.00	0.00	
Q0515-002	Hammer Crown, $> \phi$ 1200	0.0	0.20	278.00	10.0%	10.0%	1.5	0	0	150	8.0%	30.0%	4.5%	day		70.7%	29.3%	16.4%	5722	1,920.00	70.7%	29.3%	16.4%	D	0.000	0.0	0.00	0.00	
Q0516-085	Casing Tube, ϕ 800, L=5m	0.0	2.30	496.00	10.0%	10.0%	3.1	0	0	150	8.0%	30.0%	3.5%	day		68.5%	31.5%	16.2%	2857	1,710.00	68.5%	31.5%	16.2%	D	0.000	0.0	0.00	0.00	
Q0516-105	Casing Tube, ϕ 1000, L=5m	0.0	2.80	514.00	10.0%	10.0%	3.1	0	0	150	8.0%	30.0%	3.5%	day		68.5%	31.5%	16.2%	2857	1,780.00	68.5%	31.5%	16.2%	D	0.000	0.0	0.00	0.00	
Q0516-125	Casing Tube, ϕ 1200, L=5m	0.0	3.30	601.00	10.0%	10.0%	3.1	0	0	150	8.0%	30.0%	3.5%	day		68.5%	31.5%	16.2%	2857	2,060.00	68.5%	31.5%	16.2%	D	0.000	0.0	0.00	0.00	
Q0516-155	Casing Tube, ϕ 1500, L=5m	0.0	4.70	779.00	10.0%	10.0%	3.1	0	0	150	8.0%	30.0%	3.5%	day		68.5%	31.5%	16.2%	2857	2,690.00	68.5%	31.5%	16.2%	D	0.000	0.0	0.00	0.00	
Q0517-150	Earth Drill Excavator, ϕ 1500	73.0	20.20	15,600.00	10.0%	10.0%	9.3	690	110	170	8.0%	33.8%	4.5%	hr	261	4,930.00	55.4%	44.6%	15.0%	1060	20,000.00	55.4%	44.6%	15.0%	D	0.095	6.9	4.06	6.27
Q0518-055	Reverse Circulation Drill, 55kW	55.0	12.00	10,700.00	10.0%	10.0%	9.3	680	110	160	8.0%	37.5%	4.5%	hr	271	3,510.00	55.3%	44.7%	15.0%	1152	14,900.00	55.3%	44.7%	15.0%	E	0.426	23.4 kW/hr	4.25	6.18
Q0518-075	Reverse Circulation Drill, 75kW	75.0	11.20	11,700.00	10.0%	10.0%	9.3	680	110	160	8.0%	37.5%	4.5%	hr	271	3,840.00	55.3%	44.7%	15.0%	1152	16,300.00	55.3%	44.7%	15.0%	E	0.426	32.0 kW/hr	4.25	6.18
Q0519-011	Boring Machine, 11kW	11.0	1.10	1,570.00	10.0%	10.0%	9.0	720	120	150	8.0%	37.5%	4.5%	hr	262	498.00	55.8%	44.2%	15.1%	1259	2,390.00	55.8%	44.2%	15.1%	D	0.154	1.7	4.80	6.00
Q0519-022	Boring Machine, 22kW	22.0	3.60	3,490.00	10.0%	10.0%	9.0	720	120	150	8.0%	37.5%	4.5%	hr	262	1,110.00	55.8%	44.2%	15.1%	1259	5,320.00	55.8%	44.2%	15.1%	D	0.154	3.4	4.80	6.00
Q0519-030	Boring Machine, 30kW	30.0	5.00	8,270.00	10.0%	10.0%	9.0	720	120	150	8.0%	37.5%	4.5%	hr	262	2,620.00	55.8%	44.2%	15.1%	1259	12,600.00	55.8%	44.2%	15.1%	D	0.154	4.6	4.80	6.00
Q0520-075	Sand Piling Machine, 75kW (35~37t)	83.0	72.10	46,600.00	10.0%	10.0%	9.3	650	110	180	8.0%	33.8%	4.5%	hr	277	15,600.00	55.4%	44.6%	15.0%	1001	56,400.00	55.4%	44.6%	15.0%	D	0.087	7.2	3.61	5.91
Q0520-120	Sand Piling Machine, 120kW (40t)	105.0	81.10	52,700.00	10.0%	10.0%	9.3	650	110	180	8.0%	33.8%	4.5%	hr	277	17,700.00	55.4%	44.6%	15.0%	1001	63,800.00	55.4%	44.6%	15.0%	D	0.087	9.1	3.61	5.91
Q0521-120	Three Wing Bit, ϕ 800~1200	0.0	0.25	158.00	10.0%	10.0%	1.5	0	0	150	8.0%	30.0%	4.5%	day		70.7%	29.3%	16.4%	5722	1,090.00	70.7%	29.3%	16.4%	D	0.000	0.0	0.00	0.00	
Q0522-100	Hydraulic Steel Pipe Jack, ϕ 1000	30.0	10.00	5,090.00	10.0%	10.0%	7.8	0	0	90	8.0%	37.5%	4.5%	day		57.6%	42.4%	15.3%	2345	14,400.00	57.6%	42.4%	15.3%	E	0.305	9.2 kW/hr	0.00	0.00	
6. Transportation Equipment																													
Q0601-002	Dump Truck, Diesel, 2t	88.0	2.80	1,010.00	10.0%	10.0%	8.1	1040	170	220	11.0%	45.0%	6.0%	hr	217	265.00	52.6%	47.4%	14.8%	1025	1,250.00	52.6%	47.4%	14.8%	D	0.054	4.8	4.73	6.12
Q0601-004	Dump Truck, Diesel, 4t	135.0	3.80	1,540.00	10.0%	10.0%	8.1	1040	170	220	11.0%	45.0%	6.0%	hr	217	404.00	52.6%	47.4%	14.8%	1025	1,910.00	52.6%	47.4%	14.8%	D	0.054	7.3	4.73	6.12
Q0601-011	Dump Truck, Diesel, 10t	246.0	9.70	4,070.00	10.0%	10.0%	8.1	1040	170	220	11.0%	45.0%	6.0%	hr	217	1,070.00	52.6%	47.4%	14.8%	1025	5,050.00	52.6%	47.4%	14.8%	D	0.054	13.3	4.73	6.12
Q0602-002	Truck, 2t	98.0	2.50	945.00	10.0%	10.0%	9.1	760	170	200	6.0%	30.0%	6.0%	hr	258	295.00	51.9%	48.1%	14.7%	981	1,120.00	51.9%	48.1%	14.7%	D	0.054	5.3	3.80	4.47
Q0602-003	Truck, 3~3.5t	106.0	2.70	1,190.00	10.0%	10.0%	9.1	760	170	200	6.0%	30.0%	6.0%	hr	258	371.00	51.9%	48.1%	14.7%	981	1,410.00	51.9%	48.1%	14.7%	D	0.054	5.7	3.80	4.47
Q0603-004	Truck with 2.9t crane, 4t	132.0	4.60	2,510.00	10.0%	10.0%	9.1	910	160	200	6.0%	30.0%	6.0%	hr	216	656.00	51.9%	48.1%	14.7%	981	2,980.00	51.9%	48.1%	14.7%	D	0.064	7.1	4.55	5.69
Q0604-015	Trailer, 15t	235.0	10.90	4,440.00	10.0%	10.0%	9.5	700	120	200	8.0%	26.3%	4.5%	hr	242	1,300.00	55.4%	44.6%	15.0%	848	4,560.00	55.4%	44.6%	15.0%	D	0.076	17.9	3.50	5.83
Q0605-045	Concrete Mixer Truck 4.4~4.5m ³	213.0	9.20	4,070.00	10.0%	10.0%	9.0	860	170	210	8.0%	33.8%	4.5%	hr	215	1,060.00	55.9%	44.1%	15.1%	880	4,330.00	55.9%	44.1%	15.1%	D	0.060	12.8	4.10	5.06
Q0611-020	Cart, 20t	0.0	0.80	201.00	10.0%	10.0%	8.0	0	0	120	10.0%	48.8%	3.5%	day		59.2%	40.8%	15.4%	1738	423.00	59.2%	40.8%	15.4%	D	0.000	0.0	0.00	0.00	
Q0611-040	Cart, 40t	0.0	1.30	326.00	10.0%	10.0%	8.0	0	0	120	10.0%	48.8%	3.5%	day		59.2%	40.8%	15.4%	1738	686.00	59.2%	40.8%	15.4%	D	0.000	0.0	0.00	0.00	
7. Concrete Work Equipment																													
Q0701-030	Concrete Plant, 30m ³ /hr	56.0	26.00	13,200.00	10.0%	10.0%	10.6	830	150	250	8.0%	52.5%	4.5%	hr	218	3,480.00	53.2%	46.8%	14.9%	725	11,600.00	53.2%	46.8%	14.9%	E	0.495	27.7 kW/hr	3.32	5.53
Q0701-045	Concrete Plant, 45m ³ /hr	75.0	45.50	21,200.00	10.0%	10.0%	10.6	830	150	250	8.0%	52.5%	4.5%	hr	218	5,590.00	53.2%	46.8%	14.9%	725	18,600.00	53.2%	46.8%	14.9%	E	0.495	37.1 kW/hr	3.32	5.53
Q0702-060	Concrete Pump Vehicle, 55~60m ³ /hr	127.0	7.60	9,750.00	10.0%	10.0%	7.6	1130	160	200	8.0%	52.5%	4.5%	hr	208	2,450.00	57.2%	42.8%	15.3%	1176	13,900.00	57.2%	42.8%	15.3%	D	0.084	10.7	5.65	7.06
Q0702-085	Concrete Pump Vehicle, 65~85m ³ /hr	166.0	14.80	11,400.00	10.0%	10.0%	7.6	1130	160	200	8.0%	52.5%	4.5%	hr	208	2,870.00	57.2%	42.8%	15.3%	1176	16,200.00	57.2%	42.8%	15.3%	D	0.084	13.9	5.65	7.06
Q0702-110	Concrete Pump Vehicle, 90~110m ³ /hr	199.0	16.00	14,700.00	10.0%	10.0%	7.6	1130	160	200	8.0%	52.5%	4.5%	hr	208	3,700.00	57.2%	42.8%	15.3%	1176	20,900.00	57.2%	42.8%	15.3%	D	0.084	16.7	5.65	7.06
Q0703-075	Concrete Pump, 70~75m ³ /hr	87.0	5.40	8,840.00	10.0%	10.0%	7.6	490	70	170	8.0%	33.8%	4.5%	hr	430	4,600.00	58.1%	41.9%	15.3%	1238	13,200.00	58.1%	41.9%	15.3%	E	0.410	35.7 kW/hr	2.88	7.00
Q0704-010	Concrete Bucket, 1.0m ³	0.0	0.70	203.00	10.0%	10.0%	7.3	0	50	100	8.0%	52.5%	3.5%	day	4659	1,140.00	60.1%	39.9%	15.5%	2329	572.00	60.1%	39.9%	15.5%	D	0.000	0.0	0.00	0.00
Q0705-075	Concrete Spreader, 3~7.5m	33.0	6.50	7,530.00	10.0%	10.0%	10.4	470	80	130	8.0%	30.0%	4.5%	hr	345	3,140.00	53.9%	46.1%	14.9%	1249	11,400.00	53.9%	46.1%	14.9%	D	0.124	4.1	3.62	5.88
Q0706-045	Concrete Finisher, 3~4.5m	19.0	4.50	7,490.00	10.0%	10.0%	10.4	480	80	140	8.0%	33.8%	4.5%	hr	346	3,140.00	53.8%	46.2%	14.9%	1185	10,700.00	53.8%	46.2%	14.9%	D	0.124	2.4	3.43	6.00
Q0706-075	Concrete Finisher, 3~7.5m	33.0	11.40	14,400.00	10.0%	10.0%	10.4	480	80	140	8.0%	33.8%	4.5%	hr	3														

Code No.	Description	Power	Weight	CIF Price	Tax Rate		Durable Years	Annual Standard			Resumption Rate	Maintenance & Repair Rate	Annual Management Rate	Converted Depreciation per Operation Hour (or day)						Converted Depreciation per Provided Day					Fuel Consumption		Operation Hour per Provided day (hr/day)	Operation Hour per Operation day (hr/day)	
					Import	VAT		Operation Hours	Operation Days	Provide & Days				Rate	Amount	Component			Rate	Amount	Component			Type	Rate	Amount			
																Foreign	Local	Tax			Foreign	Local	Tax						
(kW)	(t)	(1000xPP)	(%)	(%)	(years)	(hr)	(day)	(day)	(%)	(%)	(%)	(x10 ⁻⁶)	(PP)	(%)	(%)	(%)	(x10 ⁻⁶)	(PP)	(%)	(%)	(%)	liters/hr (kW/hr)	liters/hr (kW/hr)						
Q0801-040	Asphalt Plant, 40t/hr	118.0	60.90	24,800.00	10.0%	10.0%	8.9	720	190	270	8.0%	41.3%	4.5%	hr	271	8,130.00	55.8%	44.2%	15.1%	721	21,600.00	55.8%	44.2%	15.1%	E	0.495	58.4 kW/hr	2.67	3.79
Q0802-028	Asphalt Finisher, crawler, 1.6~2.8m	29.0	5.10	4,610.00	10.0%	10.0%	10.8	440	80	130	5.0%	33.8%	4.5%	hr	373	2,080.00	53.8%	46.2%	14.9%	1264	7,050.00	53.8%	46.2%	14.9%	D	0.155	4.5	3.38	5.50
Q0802-050	Asphalt Finisher, crawler, 2.4~5.0m	35.0	9.70	12,100.00	10.0%	10.0%	10.8	440	80	130	5.0%	33.8%	4.5%	hr	373	5,460.00	53.8%	46.2%	14.9%	1264	18,500.00	53.8%	46.2%	14.9%	D	0.155	5.4	3.38	5.50
Q0802-120	Asphalt Finisher, crawler, 3~12m	131.0	19.70	27,900.00	10.0%	10.0%	10.8	440	80	130	5.0%	33.8%	4.5%	hr	373	12,600.00	53.8%	46.2%	14.9%	1264	42,700.00	53.8%	46.2%	14.9%	D	0.155	20.3	3.38	5.50
Q0803-045	Asphalt Finisher, wheel, 2.4~4.5m	38.0	8.60	10,100.00	10.0%	10.0%	10.8	440	80	130	5.0%	33.8%	4.5%	hr	373	4,560.00	53.8%	46.2%	14.9%	1264	15,400.00	53.8%	46.2%	14.9%	D	0.155	5.9	3.38	5.50
Q0804-400	Asphalt Distributor, 4000 ltr	123.0	2.90	3,540.00	10.0%	10.0%	10.4	0	110	170	8.0%	37.5%	4.5%	day	1541	6,600.00	53.8%	46.2%	14.9%	997	4,270.00	53.8%	46.2%	14.9%	D	0.094	11.6	0.00	4.30
Q0805-200	Asphalt Engine Scraper, 200 ltr	2.4	0.06	70.90	10.0%	10.0%	10.4	0	70	130	8.0%	37.5%	3.5%	day	4705	404.00	65.4%	34.6%	16.0%	2533	217.00	65.4%	34.6%	16.0%	G	0.231	0.6	0.00	4.30
Q0806-045	Asphalt Curber, 4~4.5m ³ /h	6.7	0.34	457.00	10.0%	10.0%	8.9	0	60	100	8.0%	41.3%	3.5%	day	3080	1,700.00	58.8%	41.2%	15.4%	1848	1,020.00	58.8%	41.2%	15.4%	G	0.231	1.5	0.00	5.00
Q0807-020	Road Cutter, wheel, 2.0m	273.0	23.90	20,500.00	10.0%	10.0%	10.6	380	70	100	8.0%	30.0%	4.5%	hr	421	10,400.00	53.6%	46.4%	14.9%	1601	39,700.00	53.6%	46.4%	14.9%	D	0.145	39.6	3.80	5.43
Q0808-060	Asphalt Kettle 6000 ltr	0.0	2.00	374.00	10.0%	10.0%	6.0	0	70	120	8.0%	15.0%	3.5%	day	3048	1,380.00	65.3%	34.7%	15.9%	1778	805.00	65.3%	34.7%	15.9%	G	0.000	0.0	0.00	0.00
Q0809-023	Road Surface Heater	46.0	12.60	19,400.00	10.0%	10.0%	9.0	460	70	100	8.0%	33.8%	4.5%	hr	402	9,440.00	55.9%	44.1%	15.1%	1848	43,400.00	55.9%	44.1%	15.1%	D	0.163	7.5	4.60	6.57
9. Steel Work Equipment																													
Q0901-025	Electric Welder, 250A	0.0	0.07	46.10	10.0%	10.0%	13.3	0	90	160	8.0%	71.3%	3.5%	day	1753	97.80	53.2%	46.8%	14.9%	986	55.00	53.2%	46.8%	14.9%	D	0.231	0.0	0.00	3.30
Q0901-050	Electric Welder, 500A	0.0	0.21	89.20	10.0%	10.0%	13.3	0	90	160	8.0%	71.3%	3.5%	day	1753	189.00	53.2%	46.8%	14.9%	986	106.00	53.2%	46.8%	14.9%	D	0.231	0.0	0.00	0.00
10. Generator, Pumps & Blowers																													
Q1001-010	Generator, 10kVA	13.0	0.44	412.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	835.00	59.9%	40.1%	15.4%	1417	706.00	59.9%	40.1%	15.4%	D	0.173	2.2	0.00	3.00
Q1001-015	Generator, 15kVA	17.0	0.50	518.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	1,050.00	59.9%	40.1%	15.4%	1417	888.00	59.9%	40.1%	15.4%	D	0.173	2.9	0.00	3.00
Q1001-020	Generator, 20kVA	19.0	0.54	618.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	1,250.00	59.9%	40.1%	15.4%	1417	1,060.00	59.9%	40.1%	15.4%	D	0.173	3.3	0.00	3.00
Q1001-035	Generator, 35kVA	33.0	0.99	723.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	1,460.00	59.9%	40.1%	15.4%	1417	1,240.00	59.9%	40.1%	15.4%	D	0.173	5.7	0.00	3.00
Q1001-045	Generator, 45kVA	42.0	1.20	801.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	1,620.00	59.9%	40.1%	15.4%	1417	1,370.00	59.9%	40.1%	15.4%	D	0.173	7.3	0.00	3.00
Q1001-060	Generator, 60kVA	57.0	1.49	1,010.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	2,050.00	59.9%	40.1%	15.4%	1417	1,730.00	59.9%	40.1%	15.4%	D	0.173	9.9	0.00	3.00
Q1001-075	Generator, 75kVA	69.0	1.72	1,310.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	2,650.00	59.9%	40.1%	15.4%	1417	2,250.00	59.9%	40.1%	15.4%	D	0.173	11.9	0.00	3.00
Q1001-100	Generator, 100kVA	92.0	1.88	1,330.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	2,690.00	59.9%	40.1%	15.4%	1417	2,280.00	59.9%	40.1%	15.4%	D	0.173	15.9	0.00	3.00
Q1001-125	Generator, 125kVA	117.0	2.13	1,680.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	3,400.00	59.9%	40.1%	15.4%	1417	2,880.00	59.9%	40.1%	15.4%	D	0.173	20.2	0.00	3.00
Q1001-150	Generator, 150kVA	134.0	2.90	1,960.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	3,970.00	59.9%	40.1%	15.4%	1417	3,360.00	59.9%	40.1%	15.4%	D	0.173	23.2	0.00	3.00
Q1001-200	Generator, 200kVA	195.0	3.54	2,620.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	5,310.00	59.9%	40.1%	15.4%	1417	4,490.00	59.9%	40.1%	15.4%	D	0.173	33.7	0.00	3.00
Q1001-300	Generator, 300kVA	248.0	4.37	4,030.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	8,160.00	59.9%	40.1%	15.4%	1417	6,910.00	59.9%	40.1%	15.4%	D	0.173	42.9	0.00	3.00
Q1001-350	Generator, 350kVA	331.0	5.60	4,340.00	10.0%	10.0%	8.5	0	110	130	7.0%	33.8%	3.5%	day	1674	8,790.00	59.9%	40.1%	15.4%	1417	7,440.00	59.9%	40.1%	15.4%	D	0.173	57.3	0.00	3.00
Q1002-037	Air Compressor, 3.5~3.7m ³ /min	26.0	0.70	653.00	10.0%	10.0%	10.4	0	80	140	4.0%	26.3%	3.5%	day	1907	1,510.00	58.3%	41.7%	15.3%	1090	861.00	58.3%	41.7%	15.3%	D	0.211	5.5	0.00	3.00
Q1002-050	Air Compressor, 5.0m ³ /min	39.0	0.80	931.00	10.0%	10.0%	10.4	0	80	140	4.0%	26.3%	3.5%	day	1907	2,150.00	58.3%	41.7%	15.3%	1090	1,230.00	58.3%	41.7%	15.3%	D	0.211	8.2	0.00	3.00
Q1002-076	Air Compressor, 7.5m ³ /min	59.0	1.40	1,380.00	10.0%	10.0%	10.4	0	80	140	4.0%	26.3%	3.5%	day	1907	3,180.00	58.3%	41.7%	15.3%	1090	1,820.00	58.3%	41.7%	15.3%	D	0.211	12.4	0.00	3.00
Q1002-110	Air Compressor, 10.5~11.0m ³ /min	78.0	2.10	2,150.00	10.0%	10.0%	10.4	0	80	140	4.0%	26.3%	3.5%	day	1907	4,960.00	58.3%	41.7%	15.3%	1090	2,840.00	58.3%	41.7%	15.3%	D	0.211	16.5	0.00	3.00
Q1002-170	Air Compressor, 17m ³ /min	115.0	3.20	2,430.00	10.0%	10.0%	10.4	0	80	140	4.0%	26.3%	3.5%	day	1907	5,610.00	58.3%	41.7%	15.3%	1090	3,200.00	58.3%	41.7%	15.3%	D	0.211	24.3	0.00	3.00
Q1003-100	Blower, 100m ³ , 1.1 kw/cm ²	240.0	5.60	10,100.00	10.0%	10.0%	8.8	2250	140	200	9.0%	41.3%	3.5%	hr	82	1,000.00	58.8%	41.2%	15.4%	927	11,300.00	58.8%	41.2%	15.4%	D	0.159	38.2	11.25	16.07
Q1004-051	Water Pump, 450mm, 0.8kW	0.8	0.02	23.50	10.0%	10.0%	8.8	0	100	140	9.0%	112.5%	3.5%	day	2663	75.70	56.1%	43.9%	15.3%	1902	54.10	56.1%	43.9%	15.3%	E	0.584	0.5 kW/hr	0.00	5.00
Q1005-101	Submerged Pump, 4100mm, 3.7kW	3.7	0.06	76.60	10.0%	10.0%	8.8	0	100	140	9.0%	112.5%	3.5%	day	2663	247.00	56.1%	43.9%	15.3%	1902	176.00	56.1%	43.9%	15.3%	E	0.584	2.2 kW/hr	0.00	8.00
Q1005-102	Submerged Pump, 4100mm, 5.5kW	5.5	0.06	96.20	10.0%	10.0%	8.8	0	100	140	9.0%	112.5%	3.5%	day	2663	310.00	56.1%	43.9%	15.3%	1902	221.00	56.1%	43.9%	15.3%	E	0.584	3.2 kW/hr	0.00	8.00
Q1005-151	Submerged Pump, 4150mm, 7.5kW	7.5	0.13	101.00	10.0%	10.0%	8.8	0	100	140	9.0%	112.5%	3.5%	day	2663	325.00	56.1%	43.9%	15.3%	1902	232.00	56.1%	43.9%	15.3%	E	0.584	4.4 kW/hr	0.00	8.00
Q1005-152	Submerged Pump, 4150mm, 11.0kW	11.0	0.14	140.00	10.0%	10.0%	8.8	0																					

Code No.	Description	Power	Weight	CIF Price	Tax Rate		Durable Years	Annual Standard			Resump- tion Rate	Main- tenance & Repair Rate	Annual Manage- ment Rate	Converted Depreciation per Operation Hour (or day)					Converted Depreciation per Provided Day					Fuel Consumption		Operation Hour per Provided day (hr/day)	Operation Hour per Operation day (hr/day)				
					Import	VAT		Opera- tion Hours	Opera- tion Days	Provide d Days				Rate	Amount	Component			Rate	Amount	Component			Type	Rate lrr/rs- hr kWh/hr			Amount lrr/hr (kWh/hr)			
																Foreign	Local	Tax			Foreign	Local	Tax								
(kW)	(t)	(1000xPP)	(%)	(%)	(years)	(hr)	(day)	(day)	(%)	(%)	(%)	(x10 ⁻⁶)	(PP)	(%)	(%)	(%)	(x10 ⁻⁶)	(PP)	(%)	(%)	(%)										
Q1106-015	Line Marker (Solution Type, Hand Guide) 15cm	0.0	0.10	309.00	10.0%	10.0%	7.6	570	100	120	8.0%	41.3%	3.5%	hr	175	65.40	60.5%	39.5%	15.5%	1753	655.00	60.5%	39.5%	15.5%	D	0.041	0.0	4.75	5.70		
Q1106-030	Line Marker (Solution Type, Hand Guide) 30, 45cm	0.0	0.10	193.00	10.0%	10.0%	7.6	570	100	120	8.0%	41.3%	3.5%	hr	175	40.90	60.5%	39.5%	15.5%	1753	409.00	60.5%	39.5%	15.5%	D	0.041	0.0	4.75	5.70		
Q1106-120	Line Marker Solution Tank 200~350kg x 2	6.0	0.80	844.00	10.0%	10.0%	6.1	660	100	160	8.0%	30.0%	3.5%	hr	147	150.00	63.5%	36.5%	15.8%	1469	1,500.00	63.5%	36.5%	15.8%	D	0.041	0.2	4.13	6.60		
Q1107-015	Line Marker (Paint Type, Hand Guide) 15cm	100.0	5.70	6,880.00	10.0%	10.0%	7.6	480	80	110	8.0%	30.0%	4.5%	hr	198	1,650.00	58.3%	41.7%	15.3%	1868	15,600.00	58.3%	41.7%	15.3%	D	0.041	4.1	4.36	6.00		
Q1108-022	High Pressure Washer 2.2kW	2.2	0.07	77.50	10.0%	10.0%	8.8	0	110	150	8.0%	112.5%	3.5%	day	1563	147.00	56.2%	43.8%	15.3%	1783	167.00	56.2%	43.8%	15.3%	D	0.041	0.1	0.00	0.00		
15. Miscellaneous																															
Q1501-030	Rail 30kg/m x 100m	0.0	0.00	144.00	10.0%	10.0%	14.7	0	0	240	8.0%	0.0%	3.5%	day			53.0%	47.0%	14.7%	407	70.90	53.0%	47.0%	14.7%			0.00	0.00			
Q1511-060	Square Pipe, 60mm x 1000m	0.0	0.00	140.00	10.0%	10.0%	3.3	0	0	255	7.0%	22.5%	2.5%	day			71.2%	28.8%	16.4%	1471	249.00	71.2%	28.8%	16.4%			0.00	0.00			
Q1521-014	PC Bridge Cantilever Construction Form Traveler, W≤14m	14.8	59.00	14,100.00	10.0%	10.0%	8.0	0	0	180	10.0%	22.5%	3.5%	day			60.9%	39.1%	15.5%	976	16,700.00	60.9%	39.1%	15.5%			0.00	0.00			
Q1521-017	PC Bridge Cantilever Construction Operation Wagon, W≤17m	22.2	84.00	18,800.00	10.0%	10.0%	8.0	0	0	180	10.0%	22.5%	3.5%	day			60.9%	39.1%	15.5%	976	22,200.00	60.9%	39.1%	15.5%			0.00	0.00			
Q1521-020	PC Bridge Cantilever Construction Operation Wagon, W≤20m	29.6	117.00	25,400.00	10.0%	10.0%	8.0	0	0	180	10.0%	22.5%	3.5%	day			60.9%	39.1%	15.5%	976	30,000.00	60.9%	39.1%	15.5%			0.00	0.00			
Q1521-024	PC Bridge Cantilever Construction Operation Wagon, W≤24m	29.6	125.00	27,600.00	10.0%	10.0%	8.0	0	0	180	10.0%	22.5%	3.5%	day			60.9%	39.1%	15.5%	976	32,600.00	60.9%	39.1%	15.5%			0.00	0.00			
Q1531-001	Electric Drill	0.9	0.01	9.14	10.0%	10.0%	7.3	0	100	160	8.0%	56.3%	3.5%	day	2382	26.30	59.9%	40.1%	15.5%	1488	16.50	59.9%	40.1%	15.5%			0.00	0.00			
Q1531-002	Hammer Drill	1.1	0.01	26.10	10.0%	10.0%	7.3	0	100	160	8.0%	56.3%	3.5%	day	2382	75.20	59.9%	40.1%	15.5%	1488	47.00	59.9%	40.1%	15.5%			0.00	0.00			
Q1541-001	Steel Formwork 10m2	0.0	317.00	25.50	10.0%	10.0%	3.3	0	0	180	5.0%	26.3%	2.5%	day			70.8%	29.2%	16.4%	2181	67.30	70.8%	29.2%	16.4%			0.00	0.00			
Q1551-001	Erection Girder t	0.0	1.00	170.00	10.0%	10.0%	9.0	0	0	125	10.0%	26.3%	3.5%	day			59.2%	40.8%	15.4%	1314	270.00	59.2%	40.8%	15.4%			0.00	0.00			
Q1561-001	Temporary Frame Support (Portal 914x1700)	0.0	13.70	1.73	10.0%	10.0%	3.3	0	0	230	10.0%	26.3%	2.5%	day			70.3%	29.7%	16.4%	1641	3.44	70.3%	29.7%	16.4%			0.00	0.00			
Q1561-002	Temporary Frame Support (Portal 1219x1700)	0.0	14.40	1.90	10.0%	10.0%	3.3	0	0	230	10.0%	26.3%	2.5%	day			70.3%	29.7%	16.4%	1641	3.77	70.3%	29.7%	16.4%			0.00	0.00			
Q1561-003	Temporary Frame Support (Portal 1219x1829)	0.0	20.70	2.54	10.0%	10.0%	3.3	0	0	230	10.0%	26.3%	2.5%	day			70.3%	29.7%	16.4%	1641	5.04	70.3%	29.7%	16.4%			0.00	0.00			
Q1561-011	Temporary Frame Support (bracing 914 x 1219)	0.0	2.90	0.36	10.0%	10.0%	3.3	0	0	230	10.0%	30.0%	2.5%	day			69.7%	30.3%	16.3%	1690	0.74	69.7%	30.3%	16.3%			0.00	0.00			
Q1561-012	Temporary Frame Support (bracing 1219 x 1219)	0.0	3.30	0.38	10.0%	10.0%	3.3	0	0	230	10.0%	30.0%	2.5%	day			69.7%	30.3%	16.3%	1690	0.78	69.7%	30.3%	16.3%			0.00	0.00			
Q1561-013	Temporary Frame Support (bracing 1829 x 1219)	0.0	4.20	0.43	10.0%	10.0%	3.3	0	0	230	10.0%	30.0%	2.5%	day			69.7%	30.3%	16.3%	1690	0.89	69.7%	30.3%	16.3%			0.00	0.00			