





















## II-3. Summary of Labor Price



## II-4. Summary of Material Price

CAN THO BRIDGE CONSTRUCTION PROJECT

Summary of Basic Price		Material						
No.	Description	Specification	Unit	Foreign Portion JP Yen	Foreign Portion US\$	Local Portion VND	Local Portion US\$	Remarks
M-103010	Bituminous Material		t	0	0.00	2,355,200	0.00	
M-103011	Nature Asphalt		t	0	0.00	2,355,200	0.00	
M-103012	Improved Asphalt		t	30,400	0.00	0	0.00	
M-103020	Filler		t	0	0.00	272,727	0.00	
M-103030	Sand for Asphalt Concrete	Tan Chau	m3	0	0.00	49,455	0.00	
M-103040	Aggregate for Asphalt Concrete	Hor An	m3	0	0.00	91,815	0.00	
M-104000	Bituminous Material ( Prime Coat )		l	0	0.00	2,784	0.00	
M-105000	Bituminous Material ( Tack Coat )		l	0	0.00	2,539	0.00	
M-106000	Portland Cement	PC-40	t	0	0.00	696,291	0.00	
M-107110	Aggregate for Base Course	Co To	m3	0	0.00	125,091	0.00	
M-107210	Aggregate for Subbase Course	Co To	m3	0	0.00	125,091	0.00	
M-107310	Sand for Subgrade	Dai Nai	m3	0	6.00	19,273	0.00	
M-107410	Sand for Sand Fill ( Filled up Ground )	Can Tho	m3	0	0.00	9,455	0.00	
M-107510	Sand for Back Fill	Dai Nai	m3	0	0.00	19,280	0.00	
M-107610	Sand for Drainage Branket	Dai Nai	m3	0	0.00	19,280	0.00	
M-107710	Sand for Sand Compaction Filer	Dai Nai	m3	0	0.00	19,280	0.00	
M-107720	Aggregate for foundation	Co To	m3	0	0.00	108,000	0.00	
M-107730	Aggregate for backfilling	Co To	m3	0	0.00	108,000	0.00	
M-109000	Water - Reducing Agent		kg	0	0.00	0	0.81	
M-110000	Increase viscosity agent	High Performance Concrete	kg	2,380	0.00	0	0.00	
M-111000	Fine Aggregate ( Sand for Concrete )	Tan Chau	m3	0	0.00	49,455	0.00	
M-112000	Coarse Aggregate ( aggregate for Concrete )	Co To	m3	0	0.00	125,091	0.00	
M-113010	Railing for Minor Bridge		m	0	0.00	782,600	0.00	
M-113020	Railing for Approach bridge		m	0	0.00	782,600	0.00	
M-113030	Railing for Main bridge		m	0	0.00	1,565,200	0.00	
M-116300	Delineator	D100mm	nos.	2,408	0.00	0	0.00	
M-116400	Interlocking for Concrete Paving	D50mm	m2	0	0.00	56,000	0.00	
M-116500	PVC Pipe		m	240	0.00	0	0.00	
M-116600	Geotextile		m2	0	0.00	0	3.66	
M-116700	Stone for Consolidating Masonry	Stone 15*30*40	nos	0	0.00	10,000	0.00	
M-116710	Asphalt joint filler	20mm thick	m2	1,312	0.00	0	0.00	
M-117000	Sodding		m2	0	0.00	32,945	0.00	
M-118000	Sand for Embankment	Dai Nai	m3	0	0.00	19,280	0.00	
M-118050	Sand for Subgrade	Dai Nai	m3	0	0.00	19,280	0.00	
M-119000	Diesel		l	0	0.00	2,618	0.00	
M-120000	Gasoline		l	0	0.00	3,345	0.00	
M-121000	Heavy Oil		l	0	0.00	2,380	0.00	
M-122000	Electric		kWh	0	0.00	660	0.00	
M-123000	Electric(Generator)		kWh	0	0.00	0	0.00	

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Summary of Basic Price		Material				Local Portion		Foreign Portion		Local Portion		Remarks	
No.	Description	Specification	Unit	JP Yen	US\$	VND	US\$	US\$	VND	US\$			
M-124000	ReBar	SD390	t	0	0.00	0	0	250.40	0	250.40			
M-124001	ReBar	D10-D14 SD390	t	0	0.00	0	0	250.40	0	250.40			
M-124002	ReBar	D16-D25 SD390	t	0	0.00	0	0	250.40	0	250.40			
M-124003	ReBar	D28-D32 SD390	t	0	0.00	0	0	250.40	0	250.40			
M-126000	H-section beam		t	0	293.60	0	0	0.00	0	0.00			
M-126010	H-section beam (30%)	for temporary jetty	t	0	88.08	0	0	0.00	0	0.00			
M-126020	H-section beam (90%)	for temporary bridge	t	0	264.24	0	0	0.00	0	0.00			
M-126030	H-section beam (90%)	for cofferdam	t	0	88.08	0	0	0.00	0	0.00			
M-126040	H-section beam (90%)		t	0	264.24	0	0	0.00	0	0.00			
M-126100	Super structure for Temporary Bridge(Truss)	for yard	t	0	0.00	0	0	1,304.00	0	1,304.00			
M-126210	Sheat pile	I	t	0	293.60	0	0	0.00	0	0.00			
M-126220	Sheat pile	II	t	0	293.60	0	0	0.00	0	0.00			
M-126221	Sheat pile for cofferdam (30%)	II	t	0	88.08	0	0	0.00	0	0.00			
M-126230	Sheat pile	III	t	0	293.60	0	0	0.00	0	0.00			
M-126231	Sheat pile for cofferdam (30%)	III	t	0	88.08	0	0	0.00	0	0.00			
M-126240	Sheat pile	IV	t	0	293.60	0	0	0.00	0	0.00			
M-126241	Sheat pile for cofferdam (30%)	IV	t	0	88.08	0	0	0.00	0	0.00			
M-126242	Sheat pile for yard (90%)	IV	t	0	264.24	0	0	0.00	0	0.00			
M-127000	Covering Plate		m2	0	0.00	0	0	128.76	0	128.76			
M-127010	Covering Plate (30%)	for Temporary jetty	m2	0	0.00	0	0	38.63	0	38.63			
M-127020	Covering Plate (90%)	for Temporary bridge	m2	0	0.00	0	0	115.89	0	115.89			
M-128000	Railing for Jetty	SGP D48.6	m	240	0.00	0	0	0.00	0	0.00			
M-129000	Primer for Asphalt Concrete on Concrete Slab		l	467	0.00	0	0	0.00	0	0.00			
M-129010	Primer for Asphalt Concrete on Steel Slab		l	422	0.00	0	0	0.00	0	0.00			
M-129020	Water Proof Coat for Asphalt Concrete on Slab		l	133	0.00	0	0	0.00	0	0.00			
M-129040	Water Proof Seat for Asphalt Concrete on Slab		m2	31	0.00	0	0	0.00	0	0.00			
M-129060	Bond for Guss Asphalt Pavement on Steel Slab		l	422	0.00	0	0	0.00	0	0.00			
M-140001	Form Work for I-Girder		t	0	1,252.00	0	0	0.00	0	0.00			
M-140011	PC Cable	1300kN Type (7S12.7, 8S12.4)	kg	0	0.77	0	0	0.00	0	0.00			
M-140012	PC Cable	2200kN Type (12S12.7B)	kg	0	0.77	0	0	0.00	0	0.00			
M-140013	PC Cable	3100kN Type (12S15.2B)	kg	0	0.77	0	0	0.00	0	0.00			
M-140014	PC Cable	390kN Type (1S17.8)	kg	0	0.77	0	0	0.00	0	0.00			
M-140015	PC Cable	450kN Type (1S19.3)	kg	0	0.77	0	0	0.00	0	0.00			
M-140016	PC Cable	570kN Type (1S21.8)	kg	0	0.77	0	0	0.00	0	0.00			
M-140017	PC Cable	1900kN Type (12S12.7B)	kg	0	0.77	0	0	0.00	0	0.00			
M-140018	PC Cable	2900kN Type (12S15.2A)	kg	0	0.77	0	0	0.00	0	0.00			
M-140019	PC Cable	750kN Type (12W7B)	kg	0	0.77	0	0	0.00	0	0.00			
M-140020	PC Cable (External)	1900kN Type (12S12.7B)	kg	0	1.52	0	0	0.00	0	0.00			

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Summary of Basic Price		Material					Local Portion		Local Portion		Remarks	
No.	Description	Specification	Unit	Foreign Portion JP Yen	Foreign Portion US\$	Local Portion VND	Local Portion US\$					
M-140021	PC Cable (External)	Z200KN Type (12S12.7B)	kg	0	1.90	0	0.00					
M-140032	Anchorage of PC Cable (Fixed Side)	D12T113E 195.225	nos	17,760	0.00	0	0.00					
M-140036	Anchorage of PC Cable (Fixed Side)	1T21.8	nos	3,384	0.00	0	0.00					
M-140037	Anchorage of PC Cable (Fixed Side)	D12D7B	nos	2,976	0.00	0	0.00					
M-140051	Anchorage of PC Cable (Tensioning Side)	7T13M130	nos	8,400	0.00	0	0.00					
M-140052	Anchorage of PC Cable (Tensioning Side)	12T13M220	nos	13,440	0.00	0	0.00					
M-140053	Anchorage of PC Cable (Tensioning Side)	12T15M319	nos	21,040	0.00	0	0.00					
M-140054	Anchorage of PC Cable (Tensioning Side)	1T17.8	nos	2,032	0.00	0	0.00					
M-140055	Anchorage of PC Cable (Tensioning Side)	1T19.3	nos	2,320	0.00	0	0.00					
M-140056	Anchorage of PC Cable (Tensioning Side)	1T21.8	nos	3,032	0.00	0	0.00					
M-140057	Anchorage of PC Cable (Tensioning Side)	12D7	nos	3,168	0.00	0	0.00					
M-140058	Anchorage of PC Cable (Tensioning Side)	12T13M199	nos	13,440	0.00	0	0.00					
M-140071	Sheath for PC Cable	D55	m	256	0.00	0	0.00					
M-140072	Sheath for PC Cable	D65	m	273	0.00	0	0.00					
M-140073	Sheath for PC Cable	D75	m	331	0.00	0	0.00					
M-140074	Sheath for PC Cable	D30	m	118	0.00	0	0.00					
M-140075	Sheath for PC Cable	D32	m	118	6.00	0	0.00					
M-140076	Sheath for PC Cable	D35	m	125	0.00	0	0.00					
M-140111	Insert	M12 Ceramic Insert	nos	376	0.00	0	0.00					
M-140120	Grout		kg	96	0.00	0	0.00					
M-140214	Rubber Shoe (Fix Side)	600*300*57(15*3)	nos	0	246.40	0	0.00					
M-140215	Rubber Shoe (Fix Side)	500*250*50(13*3)	nos	0	171.20	0	0.00					
M-140217	Rubber Shoe (Fix Side)	650*550 (210-70-135)	nos	108,222	0.00	0	0.00				Approach Bridge I-girder	
M-140218	Rubber Shoe (Fix Side)	650*550 (220-55-135)	nos	108,222	0.00	0	0.00				Approach Bridge I-girder	
M-140224	Rubber Shoe (Move Side)	600*300*57(15*3)	nos	0	246.40	0	0.00					
M-140225	Rubber Shoe (Move Side)	500*250*50(13*3)	nos	0	171.20	0	0.00					
M-140227	Rubber Shoe (Move Side)	600*400(170-105-125-26)	nos	72,739	0.00	0	0.00				Approach Bridge I-girder	
M-140228	Rubber Shoe (Move Side)	600*500(170-105-125-52)	nos	90,880	0.00	0	0.00				Approach Bridge I-girder	
M-140229	Rubber Shoe (Move Side)	650*550(210-70-135-26)	nos	108,222	0.00	0	0.00				Approach Bridge I-girder	
M-140235	Rubber Shoe (Fix Side)	700*350*50(13*3)	nos	0	336.00	0	0.00					
M-140236	Rubber Shoe (Fix Side)	700*350*52(20*2)	nos	0	336.00	0	0.00					
M-140237	Rubber Shoe (Fix Side)	800*600*52(20*2)	nos	0	384.00	0	0.00					
M-140245	Rubber Shoe (Move Side)	700*350*50(13*3)	nos	0	336.00	0	0.00					
M-140246	Rubber Shoe (Move Side)	700*350*52(20*2)	nos	0	336.00	0	0.00					
M-140247	Rubber Shoe (Move Side)	800*600*52(20*2)	nos	0	384.00	0	0.00					
M-140253	Rubber Shoe (Side-span Side)	660*560*125(20*5)	nos	0	992.00	0	0.00					
M-140255	Rubber Shoe (Side-span Side)	(720*720*130)	nos	195,149	0.00	0	0.00				Approach Bridge PC Box	
M-140263	Rubber Shoe (on Pier)	1500*1400*214(25*7)	nos	0	8,246.40	0	0.00					

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Summary of Basic Price		Material				Local Portion		Foreign Portion		Remarks	
No.	Description	Specification	Unit	Foreign Portion JP Yen	Foreign Portion US\$	Local Portion VND	Local Portion US\$				
M-140264	Rubber Shoe (on Pier)	1410*1410*214(25*7)	nos	0	7,806.40	0	0.00				
M-140265	Rubber Shoe (on Pier)	(1620*1620*265)	nos	1,921,572	0.00	0	0.00				Approach Bridge PC Box
M-140310	Anchor Bolt	SD295	kg	192	0.00	0	0.00				
M-140511	Grid Rebar around Shoe		1	0	0.00	3,492,000	0.00				
M-140521	Spiral Hoop	D10*F300-F500	1	0	0.00	3,492,000	0.00				
M-140531	Nonshrinkage Mortar	Nonshrinkage cement	kg	0	0.00	0	0.54				
M-140600	Formworks	Circle D1200mm	m	0	14.49	0	0.00				
M-140610	Formworks	Circle D900mm	m	0	8.15	0	0.00				
M-140710	PC Bar	D26(1B26A,1B26B)	kg	193	0.00	0	0.00				
M-140720	PC Bar	D32(1B32A,1B32B)	kg	193	0.00	0	0.00				
M-140730	PC Bar	D32 (MB)	kg	179	0.00	0	0.00				
M-140810	PC Bar Connection	D32(1B32A,1B32B)	set	1,392	0.00	0	0.00				
M-140820	PC Bar Connection	D32 (MB)	set	1,551	0.00	0	0.00				
M-140830	PC Bar Connection	D32 (MB) G	set	2,024	0.00	0	0.00				
M-140910	Anchorage of PC Bar (Fixed Side)	D26(1B26A,1B26B)	set	1,552	0.00	0	0.00				
M-140920	Anchorage of PC Bar (Fixed Side)	D32(1B32A,1B32B)	set	2,544	0.00	0	0.00				
M-140930	Anchorage of PC Bar (Tension Side)	D26(1B26A,1B26B)	set	1,176	0.00	0	0.00				
M-140940	Anchorage of PC Bar (Tension Side)	D32(1B32A,1B32B)	set	2,088	0.00	0	0.00				
M-140950	Anchorage of PC Bar (Fixed Side)	D32 (MB)	set	4,112	0.00	0	0.00				
M-140960	Anchorage of PC Bar (Tension Side)	D32 (MB)	set	4,888	0.00	0	0.00				
M-140970	Anchorage of PC Bar (Tension Side)	D32 (MB)G	set	4,888	0.00	0	0.00				
M-150201	Drainage Steel Pipe	D165mm	m	2,463	0.00	0	0.00			1,182,480	
M-150211	Drainage Pit		nos.	0	0.00	0	0.00				
M-150300	Drainage VP Pipe	D100 - D200mm	m	1,336	0.00	0	0.00				
M-150310	Drainage PVC Pipe	D155	m	1,336	0.00	0	0.00				
M-150360	Drainage PVC Pipe	D216	m	2,004	0.00	0	0.00				
M-150400	Wood Pile	D80-100mm	m	0	0.00	3,200	0.00				
M-150500	PVD	Width is 10cm	m	0	0.28	0	0.00				
M-150610	Expansion Joint	50mm	m	80,600	0.00	0	0.00				
M-150620	Expansion Joint	100mm	m	152,000	0.00	0	0.00				
M-150630	Expansion Joint	300mm	m	706,400	0.00	0	0.00				
M-150700	Epoxy Resin		kg	0	0.00	0	5.82				
M-150801	Stand Pipe	D1400mm	m	0	199.19	0	0.00				
M-150802	Stand Pipe	D1700mm	m	0	293.70	0	0.00				
M-150803	Stand Pipe	D2200mm	m	0	491.87	0	0.00				
M-150804	Steel Pipe	D3200mm	m	0	2,877.07	0	0.00				
M-150811	Guide Pipe (10%)	D600	m	0	3.59	0	0.00				
M-200100	Bearing for Main Bridge	(1470*1470*424.5)	nos	14,648,240	0.00	0	0.00				At pylon Reaction 750tf
M-200111	Bearing for Main Bridge	(1120*1120*437)	nos	8,463,760	0.00	0	0.00				



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No.	Description	Specification	Unit	Foreign Portion JP Yen	Foreign Portion US\$	Local Portion VND	Local Portion US\$	Remarks
M-200112	Bearing for Main Bridge	(1220*1220*459)	nos	9,597,680	0.00	0	0.00	
M-200120	Bearing for Main Bridge	(1120*1120*424.5)	nos	7,640,400	0.00	0	0.00	End Span Reaction 220tf
M-200210	H Section Steel	Supporting for anchorage at Pylon	t	0	293.60	0	0.00	
M-200211	H Section Steel (85%)	Bracket at Pylon	t	0	249.56	0	0.00	
M-200212	H Section Steel (85%)	Strut at Pylon	t	0	249.56	0	0.00	
M-200214	H Section Steel (85%)	Bracket at pier head	t	0	249.56	0	0.00	
M-200215	H Section Steel (85%)	Bracket at side pier head	t	0	249.56	0	0.00	
M-200216	H Section Steel (85%)	Bracket at end pier	t	0	249.56	0	0.00	
M-200220	Channel Steel		t	0	293.60	0	0.00	
M-200230	Angle Steel		t	0	297.60	0	0.00	
M-200250	Steel Pipe		t	0	408.00	0	0.00	
M-200260	Section Steel		t	0	294.93	0	0.00	
M-200270	Supporting steel for pile cap formwork		t	0	752.00	0	0.00	
M-200311	Anchorage of Stay Cable (Pylon Side)	Type 1	set	0	2,949.27	0	0.00	(SC6-37)
M-200312	Anchorage of Stay Cable (Pylon Side)	Type 2	set	0	4,155.89	0	0.00	(SC6-48)
M-200313	Anchorage of Stay Cable (Pylon Side)	Type 3	set	0	4,614.34	0	0.00	(SC6-61)
M-200321	Anchorage of Stay Cable (Girder Side)	Type 1	set	0	3,972.29	0	0.00	(SC6-37)
M-200322	Anchorage of Stay Cable (Girder Side)	Type 2	set	0	5,792.02	0	0.00	(SC6-48)
M-200323	Anchorage of Stay Cable (Girder Side)	Type 3	set	0	6,480.79	0	0.00	(SC6-61)
M-200340	PE Pipe	d216*13.5mm	m	0	18.64	0	0.00	
M-200350	Stay Cable		t	0	2,213.33	0	0.00	
M-200610	Vibration Proofing		nos	0	4,000.00	0	0.00	
M-200710	Lightning Conductor		set	0	0.00	1,720,000	0.00	
M-200720	Conductor Wire 1	Steel	m	0	0.00	2,198	0.00	
M-200730	Conductor Wire 2	Copper	m	0	0.00	14,277	0.00	
M-200740	Cover Pipe (Galvanized Steel Pipe)	D40	m	0	0.00	5,000	0.00	
M-200750	Connection of Wire 1 and 2		set	0	0.00	48,000	0.00	
M-200760	Earth	t=5mm, A=1m2	set	0	0.00	1,360,000	0.00	
M-200810	Separate Type Lighting System	Flash-Hud Section & Power	set	2,400,000	0.00	0	0.00	
M-200820	Control Equipment	Outdoor Type	set	3,600,000	0.00	0	0.00	
M-200830	Photo Sensor	Ambient Luminosity Detector	set	56,000	0.00	0	0.00	
M-200840	Tube & Cable		set	80,000	0.00	0	0.00	
M-200850	Xenon Flash Lamp		set	68,800	0.00	0	0.00	
M-200910	Safe Water Light	White	set	2,400,000	0.00	0	0.00	
M-200920	Port Hand Light	Red	set	2,400,000	0.00	0	0.00	
M-200930	Starboard Hand Light	Green	set	2,400,000	0.00	0	0.00	
M-200950	Pier Light	Yellow	set	960,000	0.00	0	0.00	
M-200960	Control Box		set	1,120,000	0.00	0	0.00	
M-200970	Monitoring Base System		set	32,000,000	0.00	0	0.00	

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No.									
M-201110	Buoy 1	240D		set	3,600,000	0.00	0	0.00	
M-201120	Safe Water Buoy	240D		set	3,360,000	0.00	0	0.00	
M-201130	Buoy 2	350D		set	6,400,000	0.00	0	0.00	
M-202110	Revetment stone	50kg / nos.		m3	0	0.00	95,600	0.00	
M-203110	Atmospheric corrosion resistant steel			t	25,200	0.00	0	0.00	
M-204110	Reinforced Concrete Pile	D600		m	0	0.00	277,091	0.00	
M-204120	Reinforced Concrete Pile	D800		m	0	0.00	378,909	0.00	
M-204130	Reinforced Concrete Pile	D1000		m	0	0.00	522,182	0.00	
M-205110	PVC 2.5sq			m	0	0.00	1,786	0.13	Cable/Wire
M-205120	PVC 6sq			m	0	0.00	2,455	0.18	Cable/Wire
M-205130	PVC 10sq			m	0	0.00	3,794	0.27	Cable/Wire
M-205150	XLPE 2.5sq-3C			m	0	0.00	11,160	0.80	Cable/Wire
M-205160	XLPE 16sq-4C			m	0	0.00	33,257	2.38	Cable/Wire
M-205170	XLPE 25sq-4C			m	0	0.00	47,095	3.38	Cable/Wire
M-205180	XLPE 70sq-4C			m	0	0.00	126,108	9.04	Cable/Wire
M-205190	XLPE 95sq-4C			m	0	0.00	168,404	12.07	Cable/Wire
M-205210	XLPE/SWA/PVC 16sq-4C			m	0	0.00	0	3.38	Cable/Wire
M-205220	XLPE/SWA/PVC 25sq-4C			m	0	0.00	0	4.34	Cable/Wire
M-205230	XLPE/SWA/PVC 70sq-4C			m	0	0.00	0	10.94	Cable/Wire
M-205240	XLPE/SWA/PVC 95sq-4C			m	0	0.00	0	15.58	Cable/Wire
M-205260	20kV XLPE/SWA/PVC 185sq-3C			m	0	0.00	0	33.16	Cable/Wire
M-206110	22kV Termination Material			set	0	0.00	0	219.31	Termination Material
M-206120	22kV Straight Joint Material			set	0	0.00	0	163.54	Termination Material
M-206130	Termination XLPE16sq-4C			set	0	0.00	0	29.46	Termination Material
M-206140	Termination XLPE25sq-4C			set	0	0.00	0	29.46	Termination Material
M-206150	Termination XLPE70sq-4C			set	0	0.00	0	29.46	Termination Material
M-206160	Termination XLPE95sq-4C			set	0	0.00	0	38.86	Termination Material
M-207110	DMC 1"			m	0	0.00	0	8.43	Conduit Pipe
M-207120	DMC 2"			m	0	0.00	0	10.80	Conduit Pipe
M-207130	GIP 3"			m	0	0.00	0	4.83	Conduit Pipe
M-207140	GIP 6"			m	0	0.00	0	10.26	Conduit Pipe
M-207150	Normal Bend 3"			pcs	0	0.00	0	9.66	Conduit Pipe
M-207160	P.BOX 400x400x400(HOT DIP)			pcs	0	0.00	0	29.37	Conduit Pipe
M-208110	Cable Rack W=1000			m	0	0.00	0	56.46	Cable Rack
M-209110	Switch 3W10A W/PLATE			pcs	0	0.00	0	10.42	Wiring Device
M-209120	SWITCH 1P10A W/PLATE			pcs	0	0.00	0	9.74	Wiring Device
M-209130	Receptacle 2P+E 10A W/PLATE			pcs	0	0.00	0	11.70	Wiring Device
M-210110	Road Lighting NH250W			set	0	0.00	0	144.00	Lighting Fixture
M-210120	Flood Lighting HI000W			set	0	0.00	0	594.24	Lighting Fixture

CAN THO BRIDGE CONSTRUCTION PROJECT

Summary of Basic Price		Material				Local Portion		Remarks	
No.	Description	Specification	Unit	Foreign Portion JP Yen	Foreign Portion US\$	Local Portion VND	Local Portion US\$	Remarks	
M-210130	Low Bay Lighting NH150W		set	0	0.00	0	408.00	Lighting Fixture	
M-210140	Surface Mount REF.TYPER 40Wx2		set	0	0.00	0	25.08	Lighting Fixture	
M-210150	Surface Mount BATT.TYPER40Wx1		set	0	0.00	0	53.40	Lighting Fixture	
M-211110	Single Arm H=11.5m		set	0	0.00	0	390.40	Lighting Pole	
M-211120	Double Arm H=11.5m		set	0	0.00	0	395.52	Lighting Pole	
M-211130	High Mast Pole H=20m		set	0	0.00	0	9,232.64	Lighting Pole	
M-212110	Grounding Rod D14x300L		pcs	0	0.00	0	2.90	Grounding	
M-212120	Grounding Rod D14x1500L		pcs	0	0.00	0	15.83	Grounding	
M-212130	Grounding Plate 1.51 x900x900		pcs	0	0.00	0	97.13	Grounding	
M-212150	Grounding Terminal Board		unit	0	0.00	0	1,584.00	Grounding	
M-213110	Foundation for Lighting Type A		pcs	0	0.00	0	106.42	Concrete Material	
M-213140	Foundation for Lighting Type B		pcs	0	0.00	0	19,581.32	Concrete Material	
M-213160	Man Hole (A)		pcs	0	0.00	0	587.23	Concrete Material	
M-213170	Man Hole (B)		pcs	0	0.00	0	1,194.27	Concrete Material	
M-213180	Man Hole (C)		pcs	0	0.00	0	1,474.27	Concrete Material	
M-213190	Man Hole (D)		pcs	0	0.00	0	325.34	Concrete Material	
M-213200	Concrete Plate		pcs	0	0.00	0	2.35	Concrete Material	
M-214110	22KV Feederpanel		Unit	0	0.00	0	55,680.00	Power Supply Facility	
M-214120	22KV Incoming Panel		Unit	0	0.00	0	29,952.00	Power Supply Facility	
M-214130	22KV Receiving Panel		Unit	0	0.00	0	66,624.00	Power Supply Facility	
M-214140	22KV Ring Main Unit		Unit	0	0.00	0	7,872.00	Power Supply Facility	
M-214150	Generator Set 100kVA		Unit	0	0.00	0	68,864.00	Power Supply Facility	
M-214160	Generator Set 200kVA		Unit	0	0.00	0	99,456.00	Power Supply Facility	
M-214170	Generator Set 50kVA		Unit	0	0.00	0	41,664.00	Power Supply Facility	
M-214180	L.V.SWGR Panel (A-1)		Unit	0	0.00	0	17,920.00	Power Supply Facility	
M-214190	L.V.SWGR Panel (B-1)		Unit	0	0.00	0	19,840.00	Power Supply Facility	
M-214200	L.V.SWGR Panel (C-1)		Unit	0	0.00	0	25,728.00	Power Supply Facility	
M-214210	L.V.SWGR Panel (D-1)		Unit	0	0.00	0	23,552.00	Power Supply Facility	
M-214220	L.V.SWGR Panel (E-1)		Unit	0	0.00	0	27,648.00	Power Supply Facility	
M-214230	L.V.SWGR Panel (F-1)		Unit	0	0.00	0	16,576.00	Power Supply Facility	
M-214240	Lighting Panel		Unit	0	0.00	0	1,728.00	Power Supply Facility	
M-214250	Lighting Panel		Unit	0	0.00	0	1,920.00	Power Supply Facility	
M-214260	Sub Main Panel		Unit	0	0.00	0	2,880.00	Power Supply Facility	
M-214270	Transformer 100kVA		Unit	0	0.00	0	9,920.00	Power Supply Facility	
M-214280	Transformer 200kVA		Unit	0	0.00	0	11,456.00	Power Supply Facility	
M-214290	Transformer 50kVA		Unit	0	0.00	0	8,384.00	Power Supply Facility	
M-215120	Electrical Rm.(A,C,D,E,F)		unit	0	0.00	0	23,440.00	ELECTRICAL ROOM	
M-215130	Electrical Rm.(B)		unit	0	0.00	0	40,960.00		

## II-5. Summary of Equipment Operation Cost

CAN THO BRIDGE CONSTRUCTION PROJECT

No.	Description	Specification	Unit	Foreign Currency		Local Currency		Foreign Currency		Local Currency		Unit	Foreign Currency		Local Currency	
				JP Yen	US\$	VND	US\$	US\$	VND	JP Yen	US\$		VND	US\$	VND	US\$
EL-101000	Backhoe	0.6m3	day	0	0.00	970,542	0.00	0	0.00	176,462	0.00	day in demand	0	0.00	705,849	0.00
EL-101002	Backhoe	0.6m3	day	0	0.00	970,542	0.00	0	0.00	176,462	0.00	day in demand	0	0.00	705,849	0.00
EL-101010	Backhoe	0.6m3	day	0	0.00	970,542	0.00	0	0.00	176,462	0.00	day in demand	0	0.00	705,849	0.00
EL-101020	Backhoe	0.6m3	day	0	0.00	970,542	0.00	0	0.00	176,462	0.00	day in demand	0	0.00	705,849	0.00
EL-101500	Backhoe	0.35m3	day	0	0.00	494,326	0.00	0	0.00	89,878	0.00	day in demand	0	0.00	359,510	0.00
EL-101600	Backhoe	1.0m3	day	0	0.00	1,391,240	0.00	0	0.00	252,953	0.00	day in demand	0	0.00	1,011,811	0.00
EL-101610	Backhoe	1.0m3	day	0	0.00	1,391,240	0.00	0	0.00	252,953	0.00	day in demand	0	0.00	1,011,811	0.00
EL-102000	Bulldozer	15t	day	0	0.00	1,201,088	0.00	0	0.00	204,440	0.00	day in demand	0	0.00	640,580	0.00
EL-103000	Bulldozer (swamp)	16t	day	0	0.00	1,178,587	0.00	0	0.00	207,986	0.00	day in demand	0	0.00	662,955	0.00
EL-104000	Bulldozer	21t	day	0	0.00	1,777,239	0.00	0	0.00	302,509	0.00	day in demand	0	0.00	947,861	0.00
EL-104020	Bulldozer	21t	day	0	0.00	1,777,239	0.00	0	0.00	302,509	0.00	day in demand	0	0.00	947,861	0.00
EL-104500	Bulldozer	21t	day	0	0.00	1,777,239	0.00	0	0.00	302,509	0.00	day in demand	0	0.00	947,861	0.00
EL-104020	Bulldozer	32t	day	0	0.00	1,777,239	0.00	0	0.00	302,509	0.00	day in demand	0	0.00	947,861	0.00
EL-104700	Clamshell Bucket	Machine Rope, Crawler Type	day	65,182	0.00	430,448	0.00	8,963	0	61,493	0.00	day in demand	44,813	0.00	0	0.00
EL-105000	Vibrating roller (Handguide)	0.8t - 1.1t	day	1,999	0.00	109,970	0.00	391	0	21,516	0.00	day in demand	1,384	0.00	0	0.00
EL-106000	Tamper	60kg - 100kg	day	0	0.00	81,526	0.00	0	0.00	-	-	day in demand	0	0.00	50,170	0.00
EL-106010	Tamper for PC 112010	60kg - 100kg	day	0	0.00	81,526	0.00	0	0.00	-	-	day in demand	0	0.00	50,170	0.00
EL-107000	Tire Roller	8t - 20t	day	0	0.00	755,045	0.00	0	0.00	138,682	0.00	day in demand	0	0.00	453,027	0.00
EL-107010	Tire Roller	8t - 20t	day	0	0.00	755,045	0.00	0	0.00	138,682	0.00	day in demand	0	0.00	453,027	0.00
EL-107020	Tire Roller	8t - 20t	day	0	0.00	755,045	0.00	0	0.00	138,682	0.00	day in demand	0	0.00	453,027	0.00
EL-107030	Tire Roller	8t - 20t	day	0	0.00	755,045	0.00	0	0.00	138,682	0.00	day in demand	0	0.00	453,027	0.00
EL-108000	Motorgrader	3.1m	day	0	0.00	814,491	0.00	0	0.00	141,651	0.00	day in demand	0	0.00	501,225	0.00
EL-108010	Motorgrader	3.1m	day	0	0.00	814,491	0.00	0	0.00	141,651	0.00	day in demand	0	0.00	501,225	0.00
EL-108020	Motorgrader	3.1m	day	0	0.00	814,491	0.00	0	0.00	141,651	0.00	day in demand	0	0.00	501,225	0.00
EL-109000	Road Roller	Macadam 10t - 12t	day	0	0.00	648,080	0.00	0	0.00	120,015	0.00	day in demand	0	0.00	432,053	0.00
EL-109010	Road Roller	Macadam 10t - 12t	day	0	0.00	648,080	0.00	0	0.00	120,015	0.00	day in demand	0	0.00	432,053	0.00
EL-109020	Road Roller	Macadam 10t - 12t	day	0	0.00	648,080	0.00	0	0.00	120,015	0.00	day in demand	0	0.00	432,053	0.00
EL-110000	Water Cart	5.500L - 6.500L	day	0	0.00	612,741	0.00	0	0.00	120,936	0.00	day in demand	0	0.00	382,963	0.00
EL-110010	Water Cart	5.500L - 6.500L	day	0	0.00	612,741	0.00	0	0.00	120,936	0.00	day in demand	0	0.00	382,963	0.00
EL-110020	Water Cart	5.500L - 6.500L	day	0	0.00	612,741	0.00	0	0.00	120,936	0.00	day in demand	0	0.00	382,963	0.00
EL-111000	Asphalt Finisher	Automatic Wheel type 3.0m -	day	0	0.00	1,293,132	0.00	0	0.00	210,510	0.00	day in demand	0	0.00	754,327	0.00
EL-111010	Asphalt Finisher	Automatic Wheel type 3.0m -	day	0	0.00	1,293,132	0.00	0	0.00	210,510	0.00	day in demand	0	0.00	754,327	0.00
EL-111300	Asphalt Finisher	Crawler Type 1.6m - 3.0m	day	0	0.00	1,102,718	0.00	0	0.00	179,512	0.00	day in demand	0	0.00	643,252	0.00
EL-111310	Asphalt Finisher	Crawler Type 1.6m - 3.0m	day	0	0.00	1,102,718	0.00	0	0.00	179,512	0.00	day in demand	0	0.00	643,252	0.00
EL-111610	Guss Asphalt Finisher	Automatic Wheel type 2.5m -	day	86,426	0.00	1,322,186	0.00	0	0.00	215,239	0.00	day in demand	50,415	0.00	0	0.00
EL-111611	Guss Asphalt Finisher	Automatic Wheel type 2.5m -	day	134,824	0.00	253,335	0.00	0	0.00	-	-	day in demand	-	0.00	0	0.00
EL-111700	Asphalt Plant	120t/hr	day	200,656	0.00	3,325,220	0.00	50,164	0	581,305	0.00	day in demand	141,202	0.00	0	0.00

CAN THO BRIDGE CONSTRUCTION PROJECT

No.	Description	Unit	Foreign Currency		Local Currency		Unit	Foreign Currency		Local Currency					
			JP Yen	US\$	VND	US\$		JP Yen	US\$	VND	US\$				
EL-111810	Road Sweeper	2.0-3.2m3	-	-	-	-	hr	5,800	0	44,382	0.00	day in demand	-	-	-
EL-111820	Asphalt Distributor	4000 l *	0	0.00	1,151,512	0.00	hr	0	0.00	152,610	0.00	day in demand	0	0.00	745,096
EL-111830	Engine Sprayer	200 l	-	-	-	-	hr	75	0	13,751	0.00	day in demand	-	-	-
EL-111840	Concrete Spreader	Blade Type 3-7.5m	-	-	-	-	hr	6,731	0	26,428	0.00	day in demand	-	-	-
EL-111850	Concrete Finisher	3-7.5m	-	-	-	-	hr	10,572	0	26,114	0.00	day in demand	-	-	-
EL-111860	Concrete Surface Finishing Machine	3-7.5m	-	-	-	-	hr	8,280	0	21,558	0.00	day in demand	-	-	-
EL-112000	Dump Truck	2t	0	0.00	227,958	0.00	hr	0	0.00	37,644	0.00	day in demand	0	0.00	186,511
EL-113000	Dump Truck	10t	0	0.00	642,571	0.00	hr	0	0.00	106,113	0.00	day in demand	0	0.00	525,740
EL-113001	Dump Truck for Loading, Transportation	10t	0	0.00	642,571	0.00	hr	0	0.00	106,113	0.00	day in demand	0	0.00	525,740
EL-113510	Truck	2t	0	0.00	189,468	0.00	hr	0	0.00	44,874	0.00	day in demand	0	0.00	162,401
EL-113520	Truck	4-5t	0	0.00	285,901	0.00	hr	0	0.00	67,713	0.00	day in demand	0	0.00	245,058
EL-114000	Vibrating roller ( Combined Type )	3-4t *	0	0.00	811,962	0.00	hr	0	0.00	172,758	0.00	day in demand	0	0.00	507,476
EL-114010	Vibrating roller (Tandem Type)	3-5t *	0	0.00	811,962	0.00	hr	0	0.00	172,758	0.00	day in demand	0	0.00	507,476
EL-115000	Concrete Batcher Plant	60m3/hr	64,940	0.00	264,723	0.00	hr	11,460	0	46,716	0.00	day in demand	38,964	0.00	0
EL-116000	Wheel Loader	2.1m3	17,577	0.00	267,786	0.00	hr	3,808	0	58,020	0.00	day in demand	11,425	0.00	0
EL-117000	Concrete Pump Vehicle	90 - 110m3/hr	41,496	0.00	402,592	0.00	hr	5,724	0	57,513	0.00	day in demand	33,197	0.00	0
EL-118000	Crawler Crane	35t	0	0.00	2,059,353	0.00	hr	0	0.00	339,454	0.00	day in demand	0	0.00	1,544,515
EL-118500	Crawler Crane	40t	0	0.00	2,059,353	0.00	hr	0	0.00	339,454	0.00	day in demand	0	0.00	1,544,515
EL-119000	Crawler Crane	50t	0	0.00	2,185,635	0.00	hr	0	0.00	360,269	0.00	day in demand	0	0.00	1,639,226
EL-119500	Crawler Crane with foreign operator	100t	180,775	0.00	327,418	0.00	hr	29,798	0	53,970	0.00	day in demand	120,057	0.00	0
EL-119600	Crawler Crane with foreign operator	150t	244,806	0.00	348,542	0.00	hr	40,352	0	57,452	0.00	day in demand	168,079	0.00	0
EL-119700	Crawler Crane with foreign operator	450t	1,347,040	0.00	675,961	0.00	hr	222,039	0	111,422	0.00	day in demand	994,755	0.00	0
EL-120000	Truck Crane	15 - 16t	0	0.00	1,117,505	0.00	hr	0	0.00	195,563	0.00	day in demand	0	0.00	823,425
EL-120000	Truck Crane	20 - 22t	0	0.00	1,558,497	0.00	hr	0	0.00	272,737	0.00	day in demand	0	0.00	1,148,366
EL-123010	Truck Crane	4.8 - 4.9t	0	0.00	396,332	0.00	hr	0	0.00	69,358	0.00	day in demand	0	0.00	292,034
EL-123020	Truck Crane	120t	163,980	0.00	206,311	0.00	hr	28,697	0	36,087	0.00	day in demand	120,828	0.00	0
EL-123030	Truck Crane	40 - 45t	0	0.00	2,819,812	0.00	hr	0	0.00	493,467	0.00	day in demand	0	0.00	2,077,756
EL-123040	Truck Crane	25t	0	0.00	1,558,497	0.00	hr	0	0.00	272,737	0.00	day in demand	0	0.00	1,148,366
EL-123050	Truck Crane	5t	0	0.00	396,332	0.00	hr	0	0.00	69,358	0.00	day in demand	0	0.00	292,034
EL-123100	Wheel Crane	Hydraulic 25t	0	0.00	1,531,155	0.00	hr	0	0.00	263,992	0.00	day in demand	0	0.00	1,148,366
EL-123150	Wheel Crane	Hydraulic 45t	0	0.00	2,770,341	0.00	hr	0	0.00	477,645	0.00	day in demand	0	0.00	2,077,756
EL-123200	Truck with Crane	4t, Crane 2.9t	7,063	0.00	196,147	0.00	hr	1,319	0	36,643	0.00	day in demand	5,718	0.00	0
EL-123300	Elevating Work Vehicle	8-9m	-	-	-	-	hr	-	-	-	-	day in demand	5,115	0.00	0
EL-124010	Barge	100t	-	-	-	-	hr	-	-	-	-	day in demand	0	0.00	206,390
EL-124020	Barge	200t	-	-	-	-	hr	-	-	-	-	day in demand	0	0.00	325,023
EL-124030	Barge	300t	-	-	-	-	hr	-	-	-	-	day in demand	0	0.00	481,123
EL-124040	Barge	400t	-	-	-	-	hr	-	-	-	-	day in demand	0	0.00	670,875

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No.	Description	Unit	Foreign Currency		Local Currency		Unit	Foreign Currency		Local Currency	
			JP Yen	US\$	VND)	US\$		JP Yen	US\$	VND)	US\$
EL-124030	Barge	800t	-	-	-	-	day in demand	0	0.00	1,108,555	0.00
EL-124060	Barge	400t	-	-	-	-	day in demand	69,603	0.00	0	0.00
EL-124070	Barge	300t	-	-	-	-	day in demand	197,167	0.00	0	0.00
EL-125010	Tag Boat	150PS	0	0.00	156,586	0.00	day in demand	0	0.00	775,474	0.00
EL-125030	Tag Boat	600PS	0	0.00	156,586	0.00	day in demand	0	0.00	775,474	0.00
EL-126010	Driver's boat	3-51	13,929	0.00	219,508	0	day in demand	9,286	0.00	0	0.00
EL-130000	Vibro Hammer with Crawler crane 50t	Hydraulic 162kw	85,685	0.00	1,132,983	0	day in demand	53,110	0.00	0	0.00
EL-130010	Vibro Hammer with Crawler crane 40t	Electric 46kw	22,052	0.00	343,305	0	day in demand	13,668	0.00	0	0.00
EL-130020	Vibro Hammer with Crawler crane 40t	Electric 60kw	26,505	0.00	362,719	0	day in demand	16,429	0.00	0	0.00
EL-130030	Vibro Hammer with Crawler Crane 35t	Electric 30kw	15,252	0.00	321,117	0	day in demand	9,454	0.00	0	0.00
EL-131000	Press in pile driver	Ø1750mm	-	-	-	-	day in demand	27,352	0.00	0	0.00
EL-131010	Vibro Hammer	135kW	-	-	-	-	day in demand	36,692	0.00	0	0.00
EL-132000	Reverse Circulation Drill	11.2t, 75kW	42,682	0.00	96,255	0	day in demand	29,344	0.00	0	0.00
EL-132020	Reverse Circulation Drill	(Ø600)	-	-	-	-	day in demand	99,835	0.00	0	0.00
EL-132500	Slush Tank (Slush Container)	30m3	-	-	-	-	day in demand	1,146	0.00	0	0.00
EL-132600	Pile driver	Diesel 6.0t	116,966	0.00	838,906	0	day in demand	67,717	0.00	0	0.00
EL-132610	Pile driver	Diesel 6.0t	116,966	0.00	538,697	0	day in demand	67,717	0.00	0	0.00
EL-132700	Pile driver	Hydraulic 7.0-8.0 t	149,242	0.00	113,022	0	day in demand	86,404	0.00	0	0.00
EL-132710	Pile driver	Hydraulic 7.0-8.0 t	149,242	0.00	376,381	0	day in demand	86,404	0.00	0	0.00
EL-132900	Generator	Diesel 200KVA *	0	0.00	1,881,147	0.00	day in demand	0	0.00	1,591,740	0.00
EL-133000	Generator	Diesel 200KVA *	0	0.00	1,254,098	0.00	day in demand	0	0.00	1,061,160	0.00
EL-133010	Generator	Diesel 200KVA *	0	0.00	1,254,098	0.00	day in demand	0	0.00	1,061,160	0.00
EL-133020	Generator	Diesel 200KVA *	0	0.00	1,254,098	0.00	day in demand	0	0.00	1,061,160	0.00
EL-133500	Generator	Diesel 150KVA *	0	0.00	831,419	0.00	day in demand	0	0.00	703,508	0.00
EL-133510	Generator	Diesel 150KVA *	0	0.00	831,419	0.00	day in demand	0	0.00	703,508	0.00
EL-133520	Generator	Diesel 150KVA *	0	0.00	831,419	0.00	day in demand	0	0.00	703,508	0.00
EL-134000	Generator	Diesel 125KVA *	0	0.00	752,470	0.00	day in demand	0	0.00	636,705	0.00
EL-134010	Generator	Diesel 125KVA *	0	0.00	752,470	0.00	day in demand	0	0.00	636,705	0.00
EL-135000	Generator	Diesel 100KVA	0	0.00	627,049	0.00	day in demand	0	0.00	530,580	0.00
EL-135010	Generator	Diesel 100KVA	0	0.00	627,049	0.00	day in demand	0	0.00	530,580	0.00
EL-136000	Generator	Diesel 75KVA	0	0.00	415,709	0.00	day in demand	0	0.00	351,754	0.00
EL-136010	Generator	Diesel 75KVA	0	0.00	415,709	0.00	day in demand	0	0.00	351,754	0.00
EL-136500	Generator	Diesel 45KVA	0	0.00	296,802	0.00	day in demand	0	0.00	251,140	0.00
EL-136510	Generator	Diesel 45KVA	3,045	0.00	452,914	0	day in demand	-	-	-	-
EL-136510	Generator	Diesel 45KVA	0	0.00	296,802	0.00	day in demand	0	0.00	251,140	0.00
EL-136700	Generator	Diesel 25KVA	0	0.00	209,937	0.00	day in demand	0	0.00	177,639	0.00
EL-136710	Generator	Diesel 25KVA	0	0.00	209,937	0.00	day in demand	0	0.00	177,639	0.00

CAN THO BRIDGE CONSTRUCTION PROJECT

No.	Description	Specification	Unit		Foreign Currency		Local Currency		Unit		Foreign Currency		Local Currency		
			day	hr	JP Yen	US\$	VND	US\$	VND	JP Yen	US\$	VND	US\$	VND	
															day in demand
EL-137000	Generator	Diesel 10KVA	0	0.00	0	0.00	133,437	0.00	hr	-	-	0	0.00	112,908	0.00
EL-137110	Generator	Gasoline 2KVA	0	0.00	0	0.00	89,206	0.00	hr	-	-	0	0.00	68,620	0.00
EL-138000	Truck Mixer	4.4 - 4.5m <sup>3</sup>	9,130	0.00	1,764	0	269,450	0	hr	1,764	0	52,053	0.00	0	0.00
EL-138900	Concrete Breaker	40kg type	-	-	-	-	-	-	hr	-	-	207	0.00	0	0.00
EL-139000	Concrete Breaker with Backhoe0.6m <sup>3</sup>	Hydraulic Type 600 - 800kg	6,970	0.00	47	0	96,255	0	hr	47	0	64,491	0.00	0	0.00
EL-140000	Concrete Breaker with Backhoe0.6m <sup>3</sup>	Hydraulic Type 600 - 800kg	10,525	0.00	47	0	371,145	0	hr	47	0	64,491	0.00	0	0.00
EL-141000	Concrete Breaker with Backhoe0.6m <sup>3</sup>	Hydraulic Type 600 - 800kg	10,873	0.00	47	0	378,999	0	hr	47	0	64,491	0.00	0	0.00
EL-142000	Concrete Breaker with Backhoe0.6m <sup>3</sup>	Hydraulic Type 600 - 800kg	9,967	0.00	47	0	373,763	0	hr	47	0	64,491	0.00	0	0.00
EL-143000	Concrete Breaker with Backhoe0.35m <sup>3</sup>	Hydraulic Type 600 - 800kg *	0	0.00	0	0.00	2,276,725	0.00	hr	0	0.00	306,482	0.00	1,225,929	0.00
EL-145000	Gantry Crane	3t lifting force	-	-	-	-	-	-	hr	-	-	3,038	0.00	0	0.00
EL-146000	Electric Hoist	3t lifting force	-	-	-	-	-	-	hr	-	-	549	0.00	0	0.00
EL-147000	Track (per100m) for Gantry Crane	30kg/m including Sleeper	-	-	-	-	-	-	hr	-	-	1,070	0.00	0	0.00
EL-147010	Track (per100m) for Precast Girder	30kg/m including Sleeper	-	-	-	-	-	-	hr	-	-	1,045	0.00	0	0.00
EL-148000	Hydraulic Jack	196.1kN (20t)	-	-	-	-	-	-	hr	-	-	367	0.00	0	0.00
EL-148010	Hydraulic Jack	50t Double Acting Type	-	-	-	-	-	-	hr	-	-	612	0.00	0	0.00
EL-148020	Hydraulic Jack	30t Double Acting Type	-	-	-	-	-	-	hr	-	-	440	0.00	0	0.00
EL-148050	Hydraulic Jack	50t with Inner Pump type	-	-	-	-	-	-	hr	-	-	406	0.00	0	0.00
EL-149000	Hydraulic Pump	Electric 1.5kW	-	-	-	-	-	-	hr	-	-	2,044	0.00	0	0.00
EL-149010	Hydraulic Pump	Electric 2.2kW	-	-	-	-	-	-	hr	-	-	2,705	0.00	0	0.00
EL-149020	Hydraulic Pump	Electric 3.7kW	-	-	-	-	-	-	hr	-	-	3,787	0.00	0	0.00
EL-150000	Hydraulic Jack Extrude Table	75t	-	-	-	-	-	-	hr	-	-	437	0.00	0	0.00
EL-150010	Hydraulic Jack Extrude Table	50t * 150	-	-	-	-	-	-	hr	-	-	311	0.00	0	0.00
EL-150020	Hydraulic Jack Extrude Table	30t * 150	-	-	-	-	-	-	hr	-	-	197	0.00	0	0.00
EL-151000	Lever Block	29.4kN (3.0t) * 1.5m	-	-	-	-	-	-	hr	-	-	85	0.00	0	0.00
EL-151010	Lever Block	14.7kN (1.5t) * 1.5m	-	-	-	-	-	-	hr	-	-	55	0.00	0	0.00
EL-152000	Tilehole	29.4kN (3.0t)	-	-	-	-	-	-	hr	-	-	169	0.00	0	0.00
EL-152010	Tilehole	15.7kN (1.6t)	-	-	-	-	-	-	hr	-	-	103	0.00	0	0.00
EL-153000	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (30t)	-	-	-	-	-	-	hr	-	-	871	0.00	0	0.00
EL-153010	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (40t)	-	-	-	-	-	-	hr	-	-	951	0.00	0	0.00
EL-153020	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (50t)	-	-	-	-	-	-	hr	-	-	1,040	0.00	0	0.00
EL-154000	Side Loader (for PC Girder)	Steel Bowl Type 294.2kN (20t)	-	-	-	-	-	-	hr	-	-	733	0.00	0	0.00
EL-154010	Steel Form Work for Post Tension I-Beam	L37m.H1.85m(160.775m <sup>2</sup> )	-	-	-	-	-	-	hr	-	-	0	0.00	0	30.03
EL-154020	Steel Form Work for Post Tension I-Beam	L31m.H1.65m(122.378m <sup>2</sup> )	-	-	-	-	-	-	hr	-	-	0	0.00	0	22.86
EL-154030	Steel Form Work for Post Tension I-Beam	L25m.H1.45m(86.984m <sup>2</sup> )	-	-	-	-	-	-	hr	-	-	0	0.00	0	16.25
EL-154040	Steel Form Work for Post Tension I-Beam	L40m (212.123m <sup>2</sup> )	-	-	-	-	-	-	hr	-	-	0	0.00	0	39.63
EL-155000	Mill Table for Post Tension I-Beam	40m girder (41m)	-	-	-	-	-	-	hr	-	-	1,845	0.00	0	0.00
EL-155010	Mill Table for Post Tension I-Beam	L37m(L38m), w=0.65m	-	-	-	-	-	-	hr	-	-	0	0.00	0	7.96



1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

No.	Description	Unit	Foreign Currency		Local Currency		Unit	Foreign Currency		Local Currency							
			JP Yen	US\$	VND)	US\$		JP Yen	US\$	VND)	US\$						
EL-155012	Mill Table for Post Tension I-Beam	1.31m(L32m), w=0.65m	day	-	-	-	hr	-	-	-	-	day in demand	0	0.00	0	0.00	6.70
EL-155013	Mill Table for Post Tension I-Beam	1.25m(L26m), w=0.60m	day	-	-	-	hr	-	-	-	-	day in demand	0	0.00	0	0.00	5.03
EL-155014	Mill Table for Post Tension I-Beam	1.40m(L41m), w=0.65m	day	-	-	-	hr	-	-	-	-	day in demand	0	0.00	0	0.00	8.59
EL-156000	Scaffolding for Erection Post Tension I-girder	1.5<-H	day	-	-	-	hr	-	-	-	-	day in demand	6	0.00	0	0.00	0.00
EL-157001	Fabricated Supporting for Concrete Bridge (100m)	19.6kN/m2<P<29.4kN/m2, 6.0 day	day	-	-	-	hr	-	-	-	-	day in demand	521	0.00	0	0.00	0.00
EL-157002	Fabricated Supporting for Concrete Bridge (100m)	29.4kN/m2<P<39.2kN/m2, 6.0 day	day	-	-	-	hr	-	-	-	-	day in demand	706	0.00	0	0.00	0.00
EL-157003	Fabricated Supporting for Concrete Bridge (100m)	39.2kN/m2<P<49.0kN/m2, 6.0 day	day	-	-	-	hr	-	-	-	-	day in demand	868	0.00	0	0.00	0.00
EL-157004	Fabricated Supporting for Concrete Bridge (100m)	49.0kN/m2<P<58.8kN/m2, 6.0 day	day	-	-	-	hr	-	-	-	-	day in demand	935	0.00	0	0.00	0.00
EL-157005	Fabricated Supporting for Concrete Bridge (100m)	58.8kN/m2<P<68.6kN/m2, 6.0 day	day	-	-	-	hr	-	-	-	-	day in demand	1,114	0.00	0	0.00	0.00
EL-157006	Fabricated Supporting for Concrete Bridge (100m)	68.6kN/m2<P<78.5kN/m2, 6.0 day	day	-	-	-	hr	-	-	-	-	day in demand	1,129	0.00	0	0.00	0.00
EL-159001	Frame Square Sets (100m3)	19.6kN/m2<P<29.4kN/m2, 1.1 day	day	-	-	-	hr	-	-	-	-	day in demand	820	0.00	0	0.00	0.00
EL-159002	Frame Square Sets (100m3)	29.4kN/m2<P<39.2kN/m2, 1.1 day	day	-	-	-	hr	-	-	-	-	day in demand	776	0.00	0	0.00	0.00
EL-159003	Frame Square Sets (100m3)	39.2kN/m2<P<49.0kN/m2, 1.1 day	day	-	-	-	hr	-	-	-	-	day in demand	900	0.00	0	0.00	0.00
EL-159004	Frame Square Sets (100m3)	49.0kN/m2<P<58.8kN/m2, 1.1 day	day	-	-	-	hr	-	-	-	-	day in demand	1,025	0.00	0	0.00	0.00
EL-161000	Supporting for Cantilever Erection on Pier Head (1	Supporting on Pierhead with B	day	-	-	-	hr	-	-	-	-	day in demand	69	0.00	0	0.00	0.00
EL-162000	Supporting for Cantilever Erection on Pier Head (1	Overhanging Slab Portion	day	-	-	-	hr	-	-	-	-	day in demand	28	0.00	0	0.00	0.00
EL-163000	Supporting for Cantilever Erection on Pier Head (1	Inner Box Girder	day	-	-	-	hr	-	-	-	-	day in demand	28	0.00	0	0.00	0.00
EL-164000	Supporting for Cantilever Erection on Pier Head (1	Bracket on Pier Head	day	-	-	-	hr	-	-	-	-	day in demand	45	0.00	0	0.00	0.00
EL-165000	Supporting for Cantilever Erection on Pier Head (1	Hanging Supporting at Connec	day	-	-	-	hr	-	-	-	-	day in demand	93	0.00	0	0.00	0.00
EL-165110	Fabricated Supporting for Side Span of Cantilever	19.6kN/m2<P<29.4kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	508	0.00	0	0.00	0.00
EL-165120	Fabricated Supporting for Side Span of Cantilever	29.4kN/m2<P<39.2kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	717	0.00	0	0.00	0.00
EL-165130	Fabricated Supporting for Side Span of Cantilever	39.2kN/m2<P<49.0kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	900	0.00	0	0.00	0.00
EL-165140	Fabricated Supporting for Side Span of Cantilever	49.0kN/m2<P<58.8kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	983	0.00	0	0.00	0.00
EL-165150	Fabricated Supporting for Side Span of Cantilever	58.8kN/m2<P<68.6kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	1,183	0.00	0	0.00	0.00
EL-165160	Fabricated Supporting for Side Span of Cantilever	68.6kN/m2<P<78.5kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	1,225	0.00	0	0.00	0.00
EL-165210	Frame Square Sets for Side Span of Cantilever (10	19.6kN/m2<P<29.4kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	407	0.00	0	0.00	0.00
EL-165220	Frame Square Sets for Side Span of Cantilever (10	29.4kN/m2<P<39.2kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	566	0.00	0	0.00	0.00
EL-165230	Frame Square Sets for Side Span of Cantilever (10	39.2kN/m2<P<49.0kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	566	0.00	0	0.00	0.00
EL-165240	Frame Square Sets for Side Span of Cantilever (10	49.0kN/m2<P<58.8kN/m2, 10 day	day	-	-	-	hr	-	-	-	-	day in demand	723	0.00	0	0.00	0.00
EL-166000	Line Marker	Self Propelled Heater	day	32,173	0.00	108,356	0	hr	5,568	0	18,754	day in demand	24,150	0.00	0	0.00	0.00
EL-166010	Heater Tank for Line Marker	200-350kg*2	day	3,393	0.00	10,139	0	hr	-	-	-	day in demand	2,195	0.00	0	0.00	0.00
EL-167000	Form Traveler for Cantilever Erection	2girders, w=less than 14m	day	-	-	-	hr	-	-	-	-	day in demand	27,138	0.00	0	0.00	0.00
EL-167040	Form Traveler for Cantilever Erection	4girders, w=less than 24m	day	-	-	-	hr	-	-	-	-	day in demand	52,941	0.00	0	0.00	0.00
EL-167090	Steel Form Work for Cantilever	1.0 m2	day	-	-	-	hr	-	-	-	-	day in demand	142	0.00	0	0.00	0.00
EL-168000	Erection Tools for Cast in Situ Girder		day	-	-	-	hr	-	-	-	-	day in demand	4,240	0.00	0	0.00	0.00
EL-168010	Erection Tools for Precast Girder		day	-	-	-	hr	-	-	-	-	day in demand	2,785	0.00	0	0.00	0.00
EL-169000	Chain Block	5.00m, 6m	day	-	-	-	hr	-	-	-	-	day in demand	474	0.00	0	0.00	0.00

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CAN THO BRIDGE CONSTRUCTION PROJECT

No.	Description	Specification	Unit		Foreign Currency		Local Currency		Unit	Foreign Currency		Local Currency	
			day	hr	JP Yen	US\$	VND	US\$		JP Yen	US\$	VND	
													day
EL-171000	Electric Drill	10-20mm	day	hr	-	-	-	-	day in demand	25	0.00	0	0.00
EL-173100	Rebar Cutter & Rebar Bender		day	hr	-	-	-	-	day in demand	0	0.00	39,789	0.00
EL-174000	Gas Cutting Apparatus	Acetylene	day	hr	-	-	-	-	day in demand	15	0.00	0	0.00
EL-175000	Rebar Cutter & Rebar Bender		day	hr	-	-	-	-	day in demand	0	0.00	103,206	0.00
EL-175001	Rebar Cutter & Rebar Bender		day	hr	-	-	-	-	day in demand	0	0.00	103,206	0.00
EL-176000	Electric Internal Vibrator	(23 - 32mm)	day	hr	-	-	-	-	day in demand	175	0.00	0	0.00
EL-177000	High Press Washer	3.7kW	day	hr	219	0.00	756	-	day in demand	656	0.00	0	0.00
EL-178010	Tensioning Jack	100t	day	hr	-	-	-	-	day in demand	1,750	0.00	0	0.00
EL-178020	Tensioning Jack	250t	day	hr	-	-	-	-	day in demand	3,215	0.00	0	0.00
EL-178030	Tensioning Jack	400t	day	hr	-	-	-	-	day in demand	4,050	0.00	0	0.00
EL-178031	Tensioning Jack	400t v	day	hr	-	-	-	-	day in demand	-	-	-	-
EL-178040	Tensioning Jack	800t	day	hr	-	-	-	-	day in demand	4,050	0.00	0	0.00
EL-178050	Tensioning Jack	1000t	day	hr	-	-	-	-	day in demand	10,300	0.00	0	0.00
EL-179000	Tensioning Jack Pump	3.7kW	day	hr	-	-	-	-	day in demand	2,290	0.00	0	0.00
EL-179010	Tensioning Jack Pump	11kW	day	hr	-	-	-	-	day in demand	3,550	0.00	0	0.00
EL-180000	Grout Mixer	(100 l/min)	day	hr	477	0.00	2,814	0	day in demand	341	0.00	0	0.00
EL-181000	Grouting Pump	(15-30 l/min)	day	hr	1,254	0.00	3,377	0	day in demand	868	0.00	0	0.00
EL-182000	Winch	9.8kN	day	hr	-	-	-	-	day in demand	1,063	0.00	0	0.00
EL-182010	Winch	Double Drum Type 31	day	hr	-	-	-	-	day in demand	6,325	0.00	0	0.00
EL-182020	Winch	Double Drum Type 21	day	hr	-	-	-	-	day in demand	4,680	0.00	0	0.00
EL-182070	Sheave	6400*2	day	hr	-	-	-	-	day in demand	268	0.00	0	0.00
EL-183010	Submersible Pump	200mm, 15kW	day	hr	1,149	0.00	23,126	0	day in demand	821	0.00	0	0.00
EL-183011	Submersible Pump	200mm, 15kW	day	hr	1,264	0.00	0	0	day in demand	-	-	-	-
EL-184000	Pre Fabricated Vertical Drain Machine		day	hr	0	0.00	1,118,229	0.00	day in demand	0	0.00	683,562	0.00
EL-185000	Construction Control System for PVD		day	hr	8,504	0.00	0	0	day in demand	4,923	0.00	0	0.00
EL-186000	Truck	2t	day	hr	0	0.00	250,983	0.00	day in demand	0	0.00	162,401	0.00
EL-187000	Crawler Sand Pile Driver	17m <sup>3</sup> /min	day	hr	0	0.00	1,645,347	0.00	day in demand	0	0.00	1,005,490	0.00
EL-187100	Air Compressor	5m <sup>3</sup> /min	day	hr	0	0.00	460,283	0.00	day in demand	0	0.00	836,118	0.00
EL-187200	Traction Shovel	1.2m <sup>3</sup>	day	hr	0	0.00	532,900	0.00	day in demand	0	0.00	283,251	0.00
EL-190000	Erection Girder	46(37m-71t)	day	hr	-	-	-	-	day in demand	427	0.00	0	0.00
EL-190010	Erection Girder	32(31m-56t)	day	hr	-	-	-	-	day in demand	0	0.00	0	86,57
EL-190020	Erection Girder	20(25m-39t)	day	hr	-	-	-	-	day in demand	0	0.00	0	61,62
EL-190030	Erection Girder	97(40m-84.6t)	day	hr	-	-	-	-	day in demand	0	0.00	0	38,51
EL-190040	Erection Girder	30t	day	hr	-	-	-	-	day in demand	0	0.00	0	186,77
EL-191000	Pulling Roller	40t	day	hr	-	-	-	-	day in demand	301	0.00	0	0.00
EL-191010	Pulling Roller	40t	day	hr	-	-	-	-	day in demand	534	0.00	0	0.00

1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT

No.	Description	Specification	Unit	Foreign Currency		Local Currency		Unit	Foreign Currency		Local Currency	
				JP Yen	US\$	VND)	US\$		JP Yen	US\$	VND)	US\$
EL-191100	Steel Bent	Self weight 11.48t	day	-	-	-	-	hr	-	-	-	-
EL-192000	Portal Crane for Hanging Girder	40f	day	-	-	-	-	hr	-	-	-	-
EL-192010	Portal Crane for Hanging Girder	30f	day	-	-	-	-	hr	-	-	-	-
EL-192020	Portal Crane for Hanging Girder	20f	day	-	-	-	-	hr	-	-	-	-
EL-193000	Accessory of Hanging Girder	40f	day	-	-	-	-	hr	-	-	-	-
EL-193010	Accessory of Hanging Girder	30f	day	-	-	-	-	hr	-	-	-	-
EL-193020	Accessory of Hanging Girder	20f	day	-	-	-	-	hr	-	-	-	-
EL-194000	Electric Chain Hoist	40f	day	-	-	-	-	hr	-	-	-	-
EL-194010	Electric Chain Hoist	30f	day	-	-	-	-	hr	-	-	-	-
EL-194020	Electric Chain Hoist	20f	day	-	-	-	-	hr	-	-	-	-
EL-195000	Turnbuckle	15f	day	-	-	-	-	hr	-	-	-	-
EL-195010	Turnbuckle	10f	day	-	-	-	-	hr	-	-	-	-
EL-197000	Block	Shackle Type 400*2	day	-	-	-	-	hr	-	-	-	-
EL-198000	Heavy Track Carrier for girder	Singlepage 40t	day	-	-	-	-	hr	-	-	-	-
EL-198010	Heavy Track Carrier for girder	Singlepage 30t	day	-	-	-	-	hr	-	-	-	-
EL-198011	Heavy Track Carrier for girder	Singlepage 60t	day	-	-	-	-	hr	-	-	-	-
EL-198012	Heavy Track Carrier for girder	Singlepage 15t	day	-	-	-	-	hr	-	-	-	-
EL-198014	Heavy Track Carrier for girder	Doublepage Rotary Type 30t	day	-	-	-	-	hr	-	-	-	-
EL-198015	Heavy Track Carrier for girder	Doublepage Rotary Type 40t	day	-	-	-	-	hr	-	-	-	-
EL-198016	Heavy Track Carrier for girder	Doublepage Rotary Type 60t	day	-	-	-	-	hr	-	-	-	-
EL-198017	Heavy Track Carrier for girder	Doublepage 15t	day	-	-	-	-	hr	-	-	-	-
EL-198020	Gas Regulator	Oxygen	day	-	-	-	-	hr	-	-	-	-
EL-198030	Gas Regulator	Acetylene	day	-	-	-	-	hr	-	-	-	-
EL-198040	Tools for Cable Works		day	-	-	-	-	hr	-	-	-	-
EL-200100	Frame for Stationary Gantry Crane	Per ton	day	-	-	-	-	hr	-	-	-	-
EL-200110	Frame for Stationary Gantry Crane	Mi	day	-	-	-	-	hr	-	-	-	-
EL-200200	Winch for Stationary Gantry Crane		day	-	-	-	-	hr	-	-	-	-
EL-200210	Winch for Stationary Gantry Crane	588.4KN (60t) - 20m	day	-	-	-	-	hr	-	-	-	-
EL-200300	Sling for PC girder...	588.4KN (50t) - 20m	day	-	-	-	-	hr	-	-	-	-
EL-200310	Sling for PC girder...	588.4KN (60t)	day	-	-	-	-	hr	-	-	-	-
EL-200320	Sling for PC girder...	588.4KN (50t)	day	-	-	-	-	hr	-	-	-	-
EL-200400	Wire Rope	588.4KN (40t)	day	-	-	-	-	hr	-	-	-	-
EL-200410	Wire Rope	d16 per 100m	day	-	-	-	-	hr	-	-	-	-
EL-200500	Device for hanging girder	d18 per 100m	day	-	-	-	-	hr	-	-	-	-
EL-200600	Device for hanging girder	392.3KN(40t)	day	-	-	-	-	hr	-	-	-	-
EL-200700	Trailer	490.3KN(50t)	day	-	-	-	-	hr	-	-	-	-
EL-200710	Trailer	21t	day	0	0.00	162,045	0.00	hr	0	0.00	28,857	0.00
		200t	day	-	-	-	-	hr	-	-	-	-
			day	-	-	-	-	hr	-	-	-	-

CAN THO BRIDGE CONSTRUCTION PROJECT

Equipment

No.	Description	Specification	Unit	Foreign Currency		Local Currency		Foreign Currency		Local Currency		Unit	Foreign Currency		Local Currency	
				JP Yen	US\$	VND)	US\$	JP Yen	US\$	VND)	JP Yen		US\$	VND)	JP Yen	US\$
EL-301011	Gantry Crane	300 t hanging	day	-	-	-	-	-	-	-	-	day in demand	0	2,104.02	0	0.00
EL-301020	Gantry Crane	45t hanging	day	-	-	-	-	-	-	-	-	day in demand	0	809.71	0	0.00
EL-301030	Gantry Crane for loading	300t hanging	day	-	-	-	-	-	-	-	-	day in demand	0	4,188.65	0	0.00
EL-301040	Girder for Gantry Crane		day	-	-	-	-	-	-	-	-	day in demand	0	0.00	0	0.00
EL-301050	PC Segment Formwork Facility		day	-	-	-	-	-	-	-	-	day in demand	0	898.39	0	0.00
EL-301051	PC Segment Formwork Facility	Measurement	day	-	-	-	-	-	-	-	-	day in demand	30,979	0.00	0	0.00
EL-301060	PC Segment Rebar Fabrication Table		day	-	-	-	-	-	-	-	-	day in demand	0	308.47	0	0.00
EL-301071	Erection Nose (Center span)	250 t hanging	day	-	-	-	-	-	-	-	-	day in demand	0	3,493.52	0	0.00
EL-301072	Erection Nose (Side span)	250 t hanging	day	-	-	-	-	-	-	-	-	day in demand	0	3,431.17	0	0.00
EL-301080	Erection Truss	250 t hanging	day	-	-	-	-	-	-	-	-	day in demand	0	10,709.08	0	0.00
EL-302011	Floating Crane	300t	day	-	-	-	-	-	-	-	-	day in demand	434,424	0.00	0	0.00
EL-302121	Tower Crane	Crane 400 t-m	day	-	-	-	-	-	-	-	-	day in demand	201,408	0.00	0	0.00
EL-302122	Tower Crane	Tower	day	-	-	-	-	-	-	-	-	day in demand	952	0.00	0	0.00
EL-302210	Self Elevation Form		day	-	-	-	-	-	-	-	-	day in demand	0	556.55	0	0.00
EL-302310	Pushing Machine		day	-	-	-	-	-	-	-	-	day in demand	0	0.00	0	0.00
EL-302320	Working car under girder	Stay cable tensioning	day	-	-	-	-	-	-	-	-	day in demand	0	773.47	0	0.00
EL-303310	Elevator for Construction	500kg Loading	day	-	-	-	-	-	-	-	-	day in demand	7,013	0.00	0	0.00
EL-303320	Elevator for Construction	Post	day	-	-	-	-	-	-	-	-	day in demand	110	0.00	0	0.00
EL-303330	Elevator for Construction	Door	day	-	-	-	-	-	-	-	-	day in demand	203	0.00	0	0.00

## II-6. Calculation of Equipment Operation Cost (hr)











1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT Equipment Operating Cost. Asphalt Plant											120/hr		Unit:	1	hr	Sheet #:	EL 111700	
No.	Description	Specification	Unit	Quantity	Unit Price			Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)	Combined Total Cost (VND)	Remarks						
					Foreign Currency (JP Yen)	Local Currency (US\$)	Local Currency (VND)											
1	Equipment Operator	Local	M/day	0.25	0	0.00	0	96,255	0.00	24,064	L 106000							
2	Diesel		l	212.85	0	0.00	0	2,618	0.00	557,241	M 119000							
3	Depreciation Value		hr	1.00	50,164	0.00	0	0	0.00	6,549,189	S 111700							
Summary											7,130,494							
per hr											7,130,494							
REMARKS																		
											T=	00	hr					



1US\$=108JP Yen=14,100VND

Unit: 1 hr EL 111830  
Sheet #: EL 111830

No.	Description	Specification	Unit	Quantity	Unit Price			Combined Total Cost (VND)			Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)	
1	Equipment Operator	Local	M/day	0.14	0	0.00	96,255	0.00	13,751	L 106000	
2	Gasoline		l	0.00	0	0.00	3,345	0.00	0	M 120000	
3	Depreciation Value		hr	1.00	75	0.00	0	0.00	9,792	S 111830	
	Summary								23,543		
	per hr								23,543		
REMARKS											

T= 0.0 hr







CAN THO BRIDGE CONSTRUCTION PROJECT

Equipment Operating Cost

Concrete Batchers Plant

60m<sup>3</sup>/hr

Unit:

I hr

Sheet #: EL 115000

No.	Description	Specification	Unit	Quantity	Unit Price			Local Currency (VND)	Local Currency (US\$)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (US\$)			
1	Equipment Operator	Local	M/day	0.18	0	0.00	96,255	0.00	L 106000	
2	Electric		kWh	45.05	0	0.00	660	0.00	M 123000	
3	Depreciation Value		hr	1.00	11,460	0.00	0	0.00	S 115000	
Summary									1,542,883	
per hr										1,542,883
REMARKS										

T= 0.0 hr



1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT											
Equipment Operating Cost							Wheel Loader				
							2.1m3	Unit: 1	hr	EL 116000	
							Sheet #:				
No.	Description	Specification	Unit	Quantity	Unit Price			Local Currency (VND)	Local Currency (US\$)	Combined Total Cost (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)				
1	Equipment Operator	Local	M/day	0.22	0	0.00	96,255	0.00	20,855	L 106000	
2	Diesel		l	14.20	0	0.00	2,618	0.00	37,165	M 119000	
3	Depreciation Value		hr	1.00	3,808	0.00	0	0.00	497,156	S 116000	
Summary										555,176	
per hr										555,176	
REMARKS											

T= 0.0 hr







1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT  
 Equipment Operating Cost  
 Crawler Crane with foreign operator  
 450t  
 Unit: I hr  
 Sheet #: EL 119700

No.	Description	Specification	Unit	Quantity	Unit Price				Remarks	
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)		
1	Equipment Operator	Foreign	M/day	0.16	20,700	0.00	0	0.00	445,456	L 133000
2	Diesel		l	42.56	0	0.00	2,618	0.00	111,422	M 119000
3	Depreciation Value		hr	1.00	218,627	0.00	0	0.00	28,542,969	S 119700
	Summary								29,099,847	
	per hr								29,099,847	

T= 0.0 hr

REMARKS





CAN THO BRIDGE CONSTRUCTION PROJECT														
Equipment Operating Cost														
Vibro Hammer with Crawler crane 50t														
Hydraulic 162kw												Unit:	1	hr
												Sheet #:		EL 130000
No.	Description	Specification	Unit	Quantity	Unit Price			Local Currency (VND)			Local Currency (US\$)	Combined Total Cost (VND)	Remarks	
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)							
1	Equipment Operator	Local	M/day	0.15	0	0.00	96,255	0.00	0.00	0.00	13,973	L 106000		
2	Diesel			50.71	0	0.00	2,618	0.00	0.00	0.00	132,748	M 119000		
3	Depreciation Value	Vibro Hammer	hr	1.21	10,279	0.00	0	0.00	0.00	0.00	1,623,850	S 130000		
4	Depreciation Value	Crawler Crane 50t	hr	1.21	0	0.00	0	0.00	0.00	0.00	0	S 119000		
Summary												1,770,571		
per hr												1,770,571		
REMARKS														
T= 0.0 hr														





1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT		Vibro Hammer with Crawler crane 40t		Electric 60kw		Unit: 1 hr		Sheet #: EL 130020			
No.	Description	Specification	Unit	Quantity	Unit Price				Combined Total Cost (VND)	Remarks	
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)			
1	Equipment Operator	Local	M/day	0.15	0	0.00	96,255	0.00	13,973	L 106000	
2	Electric		kWh	18.30	0	0.00	660	0.00	12,078	M 122000	
3	Diesel		l	69,080.53	0	0.00	2,618	0.00	180,852,816	M 119000	
4	Depreciation Value	Vibro Hammer	hr	1.21	3,180	0.00	0	0.00	502,247	S 130020	
5	Depreciation Value	Crawler Crane 40t	hr	1.21	0	0.00	0	0.00	0	S 118500	
Summary										181,381,114	
per hr											
REMARKS										181,381,114	

T= 0.0 hr

1 US\$ = 108JP Yen = 14,100VND

**CAN THO BRIDGE CONSTRUCTION PROJECT**  
Equipment Operating Cost

Electric 30kw

Vibro Hammer with Crawler Crane 351

Unit: I hr

Sheet #: EL 13003B

No.	Description	Specification	Unit	Quantity	Unit Price				Combined Total Cost (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)		
1	Equipment Operator	Local	M/day	0.15	0	0.00	96,255	0.00	13,973	L 106000
2	Electric		kWh	9.15	0	0.00	660	0.00	6,039	M 122000
3	Diesel		l	69,080.53	0	0.00	2,618	0.00	180,852.816	M 119000
4	Depreciation Value	Vibro Hammer	hr	1.21	1,830	0.00	0	0.00	289,050	S 130030
5	Depreciation Value	Crawler Crane 40t	hr	1.21	0	0.00	0	0.00	0	S 118000
Summary									181,161,878	
per hr									181,161,878	

T= 0.0 hr

REMARKS

1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT			Reverse Circulation Drill		11.24.75KW	Unit: 1 hr	Sheet #: EL 132000	
No.	Description	Specification	Unit	Quantity	Unit Price			Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	
								Combined Total Cost (VND)
1	Equipment Operator	Local	M/day	0.16	0	0.00	96,255	15,126
2	Electric		KWh	31.95	0	0.00	660	21,087
3	Depreciation Value		hr	1.00	6,707	0.00	0	875,636
Summary								911,849
Per hr								911,849
REMARKS								

T= 0.0 hr

1 US\$ = 108JP Yen = 14,100 VND

CAN THO BRIDGE CONSTRUCTION PROJECT

Equipment Operating Cost

4.4 - 4.5m3

Truck Mixer

Unit: I hr

Sheet #: EL 138000

No.	Description	Specification	Unit	Quantity	Unit Price			Combined Total Cost (VND)			Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)	
1	Equipment Operator	Local	M/day	0.19	0	0.00	96,255	0.00		19,595	L 106000
2	Diesel		l	12.78	0	0.00	2,618	0.00		33,458	M 119000
3	Depreciation Value		hr	1.00	1,764	0.00	0	0.00		230,300	S 138000
Summary											
per hr											
REMARKS											
			T=	0.0	hr					282,353	
										282,353	



1US\$=108JP Yen=14,100VND

**CAN THO BRIDGE CONSTRUCTION PROJECT**

Equipment Operating Cost Concrete Breaker with Backhoe 0.6m3

Hydraulic Type 600 - 800kg

Unit: 1 hr  
Sheet #: EL 140000

No.	Description	Specification	Unit	Quantity	Unit Price				Combined Total Cost (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)		
1	Equipment Operator	Local 1/T	M/day	0.67	0	0.00	96,255	0.00	64,491	L 106000
2	Diesel	Backhoe 0.6m2	l	0.00	0	0.00	2,618	0.00	0	M 139000
3	Depreciation Value	Backhoe 0.6m3	hr	1.00	0	0.00	0	0.00	0	S 101000
4	Depreciation Value	Concrete Breaker 1/T	day	0.67	70	0	0		6,136	S 139000
Summary										
									70,627	

Per: hr

T= 1.5 hr

REMARKS

1US\$=108JP Yen=14,100VND

**CAN THO BRIDGE CONSTRUCTION PROJECT**

Equipment Operating Cost Concrete Breaker with Backhoe 0.6m3 Hydraulic Type 600 - 800kg

Unit: I hr

Sheet #: EL 141000

No.	Description	Specification	Unit	Quantity	Unit Price			Local Currency (VND)	Local Currency (US\$)	Combined Total Cost (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)				
1	Equipment Operator	Local	M/day	0.67	0	0.00	96,255	0.00	64,491	L 106000	
2	Diesel	Backhoe 0.6m2	l	0.00	0	0.00	2,618	0.00	0	M 119000	
3	Depreciation Value	Backhoe 0.6m3	hr	1.00	0	0.00	0	0.00	0	S 101000	
4	Depreciation Value	Concrete Breaker 1/T	day	0.67	70	0	0	0	6,136	S 139000	
Summary											
Per hr T= 1.5 hr											
REMARKS											

70.627

70.627



1US\$=108JP Yen=14,100VND

No.		Description	Specification	Unit	Quantity	Unit Price				Remarks	
						Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)		
		CAN THO BRIDGE CONSTRUCTION PROJECT									
		Equipment Operating Cost									
		Concrete Breaker with Backhoe 0.6m3									
		Hydraulic Type 600 - 800kg									
		Unit: 1 hr									
		Sheet #: EL 142000									
		Combined Total Cost (VND)									
1	Equipment Operator	Local	1/T	M/day	0.67	0	0.00	96,255	0.00	64,491	L 106000
2	Diesel	Backhoe 0.6m2		1	0.00	0	0.00	2,618	0.00	0	M 119000
3	Depreciation Value	Backhoe 0.6m3		hr	1.00	0	0.00	0	0.00	0	S 101000
4	Depreciation Value	Concrete Breaker 1/T		day	0.67	70		0		6,136	S 139000
Summary											
per hr											
REMARKS											
		T= 1.5 hr									
		70,627									
		70,627									



## **II-7. Calculation of Equipment Operation Cost (day)**







1 US\$ = 108 JP Yen = 14,100 VND

CAN THO BRIDGE CONSTRUCTION PROJECT		Guss Asphalt Finisher		Automatic Wheel type 2.5m - 4.5m		Unit: 1 day		Sheet #: EL 111610	
No.	Description	Specification	Unit	Quantity	Unit Price			Combined Total Cost (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)		
1	Equipment Operator	Local	M/day	1.00	0	0.00	96,255	96,255	L 106000
2	Diesel		l	468.27	0	0.00	2,618	1,225,931	M 119000
3	Depreciation Value		day	1.00	86,426	0.00	0	86,426	S 111610
Summary									
per day									
								1,408,612	
								1,408,612	
REMARKS									

1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT													
EQUIPMENT OPERATING COST													
Automatic Wheel type 2.5m - 4.5m													
Guss Asphalt Finisher													
Unit: 1 day													
Sheet #: EL 111611													
No.	Description	Specification	Unit	Quantity	Unit Price			Local Currency (VND)	Local Currency (US\$)	Foreign Currency (US\$)	Local Currency (US\$)	Combined Total Cost (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)						
1	Equipment Operator	Local	M/day	1.00	0	0.00	96,255	0.00	0.00	0.00	96,255	L 106000	
2	Diesel		l	60.00	0	0.00	2,618	0.00	0.00	0.00	157,080	M 119000	
3	Depreciation Value		day	1.56	86,426	0.00	0	0.00	0.00	0.00	134,824	S 111611	
Summary											388,159		
per day											388,159		
REMARKS													







1US\$=108JP Yen=14,100VND

**CAN THO BRIDGE CONSTRUCTION PROJECT**  
**EQUIPMENT OPERATING COST**

No.	Description	Specification	Unit	Quantity	Unit Price				Combined Total Cost (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)		
1	Equipment Operator	Local	M/day	1.00	0	0.00	96,255	0.00	96,255	L 106000
2	Diesel		l	65.52	0	0.00	2,618	0.00	171,531	M 119000
3	Depreciation Value		day	1.00	17,577	0.00	0	0.00	17,577	S 116000
Summary									285,363	
per day									285,363	
REMARKS										

Unit: 1 day  
 Sheet #: EL 116000

2.1m3

Wheel Loader





1US\$=108JP Yen=14,100VND

CAN THO BRIDGE CONSTRUCTION PROJECT												
EQUIPMENT OPERATING COST												
150. Crawler Crane with foreign operator										Unit:	1	day
										Sheet #:	EL 119600	
No.	Description	Specification	Unit	Quantity	Unit Price				Local Currency (VND)	Local Currency (US\$)	Combined Total Cost (VND)	Remarks
					Foreign Currency (JP Yen)	Foreign Currency (US\$)	Local Currency (VND)	Local Currency (US\$)				
1	Equipment Operator	Foreign	M/day	1.00	20,700	0.00	0	0.00	0.00	20,700	L 133000	
2	Diesel		l	133.13	0	0.00	2,618	0.00	0.00	348,542	M 119000	
3	Depreciation Value		day	1.00	224,106	0.00	0	0.00	0.00	224,106	S 119600	
Summary										593,348		
per day										593,348		
REMARKS												







