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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) COMISION EJECUTIVA PORTUARIA AUTONOMA (CEPA)

THE DETAILED DESIGN ON PORT REACTIVATION PROJECT IN LA UNION PROVINCE OF THE REPUBLIC OF EL SALVADOR

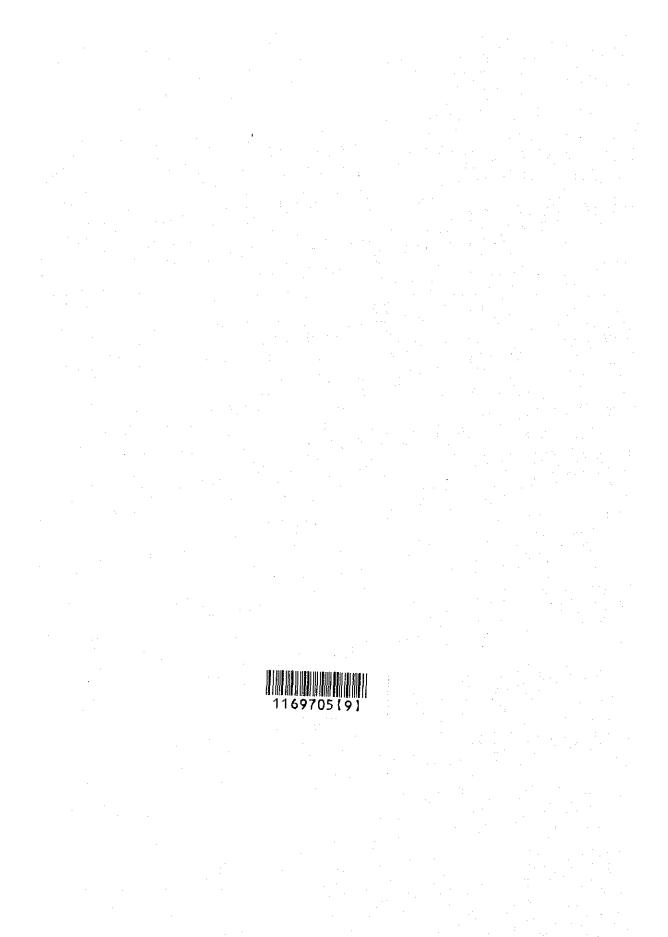
FINAL REPORT

QUANTITY CALCULATION REPORT

Civil Works (3/4)

OCTOBER 2002

NIPPON KOEI CO., LTD.



				2002/10/1	
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BOQ Item	Work Section Title	Quantity Item	Quantity	Unit	Remarks
	Reclamation Work		•		
F-01	Land Reclamation incld. Fill Material Supply	Reclamation Area	1,518,000	m3	
F-0201	Land Reclamation by dredged Material	Reclamation Area	1,487,000	m3	
F-0202		Dumping Area A	934,000	m3	
2F-0203		Dumping Area B	434,000	m3	
F-0204		Sand Replacement of West Revetment	156,400	m3	
F-0205		Saud Replacement of East Revetment	83,600	m3	
	Pavement Work	:	· · ·		
G-01	Concrete Pavement (Type-1)		8,600	m2	
G-0101		Subgrade Preparation	8,600	m2	
G-0102		Subbase Course	1,300		t=15cm
G-0103		Base Course	1,300	m3	t=15cm
G-0104	· · · · · · · · · · · · · · · · · · ·	Prime Coating	8,600	m2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
G-010501		Concrete Slab	3,020		t=35cm
G-010502		Reinforcement and joint bar	77,800	kg	
G-010503		Elas Tigh Board	20		
G-010504		Joint filter	340		
G-010505		Iron mesh	8,600		~
	Concrete Pavement (Type-2)		71,200	m2	
G-0201		Subgrade Preparation	71,200		
G-0202		Subbase Course	10,680	m3	t=15cm
G-0203		Base Course	10,680	m3	t=15cm
G-0204		Prime Coating	71,200	m2	
G-020501		Concrete Slab	21,360	m2 m3	t=30cm
G-020502		Reinforcement and joint bar	201,700		
G-020502		Elas Tigh Board	201,700	kg	
G-020504		Joint filter		m2	
G-020505			872	m2	<u> </u>
		Iron mesh	71,200	m2	· · · · · · · · · · · · · · · · · · ·
2G-03	Asphalt Concrete Pavement (Type	p	19,000	m2	
G-0301		Subgrade Preparation	19,000	<u>m2</u>	<u> </u>
G-0302		Subbase Course	5,700	m3	t=30cm
2G-0303		Base Course	1,900	m3	t=10cm
2G-0304		Prime Coating	19,000	m2	
2G-0305		Asphalt Base Course	475	<u>m3</u>	t=2.5cm
G-0306		Tack Coating	19,000	m2	
2G-0307		Surface Course	475	m3	t=2.5cm
2G-04	Macadam Pavement (1) (Type-4)		16,000	m2	1
G-0401		Subgrade Preparation	16,000	m2	
2G-0402		Subbase Course	5,600	m3	t=35cm
G-0403		Base Course	4,000	m3	t=25cm
2G-0404		Prime Coating	16,000	m2	
2G-05	Macadam Pavement (2) (Type-5)		56,000	m2	<u> </u>
G-0501		Subgrade Preparation	56,000	m2	
2G-0502		Subbase Course	14,000	m3	t=25cm
G-0503		Base Course	11,200	m3	t=20cm

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BOQ Item	Work Section Title	Quantity Item	Quantity	Unit	Remarks
2G-0601		Subgrade Preparation	2,600	m2	······································
2G-0602		Base Course	260	m3	t=10cm
2G-0603		Sand Cushion	52.	m3	t=2cm
2G-0604	· · · · · · · · · · · · · · · · · · ·	Interlocking Concrete Block	260	m3	t=10cm
2G-07	Gravel Pavement with Concrete p	late (Container Stacking Plate)	23,000	m2	
2G-070101		Subgrade Preparation	23,000	m2	
2G-070102		Gravel Pavement	6,075	m3	l=30cm, 20250m2
	Concrete Stacking Plate (Type-A)		1,070	Nos	2140m2
2G-070201	<i>,,,,,,, _</i>	Base Course	1,070	m3	l=50cm
2G-070202	· · · · · · · · · · · · · · · · · · ·	Lean Concrete	107	m3	t=5cm
2G-070301		Form for Type-A	3,430	m2	3.2m2/N
2G-070302		Re-Bar for Type-A	62,000	kg	57.9kg / N
2G-070303		Concrete for Type-A	430	m3	0.4m3 / N
	Concrete Stacking Plate (Type-B)		420	Nos	462m2
2G-070203		Base Course	240	m3	t=50cm
2G-070204	• • • • • • • • • • • • • • • • • • • •	Lean Concrete	24	m3	t=5cm
2G-070401		Form for Type-B	900	m2	2.12m2 / N
2G-070402	· · · · · · · · · · · · · · · · · · ·	Re-Bar for Type-B	14,000	kg	33.1kg / N
2G-070403		Concrete for Type-B	93	m3	0.22m3 / N
	Concrete Stacking Plate (Type-C)		40	Nos	56m2
2G-070205		Base Course	28	m3	t=50cm
2G-070206		Lean Concrete	2.8		t=5cm
2G-070501		Form for Type-C	100	m2	2.48m2 / N
2G-070502		Re-Bar for Type-C	1,700	kg	41.3kg / N
2G-070503	/	Concrete for Type-C	12	m3	0.28m3 / N
	Concrete Stacking Plate (Type-D)		28	Nos	28m2
2G-070207		Base Course	14	m3	t=50cm
2G-070208		Lean Concrete	1.4		t=5cm
2G-070601		Form for Type-D	51	m2	1.8m2/N
2G-070602		Re-Bar for Type-D	770	kg	27.2kg / N
2G-070603		Concrete for Type-D	6	m3	0.2m3/N
	Concrete Stacking Plate (Type-E)		56	Nos	39.2m2
2G-070209		Base Course	20	m3	t=50cm
2G-070210		Lean Concrete	2.0	m3	t=5cm
2G-070701		Form for Type-E	78	m2	1.38m2 / N
2G-070702		Re-Bar for Type-E	1,100	kg	19.5kg / N
2G-070702		Concrete for Type-E	8	m3	0.14m3 / N
2G-08	Grass Area		13,700	m2	
2G-08 2G-09	Concrete Curb (Type-1)		3,600	·	· · · · · · · · · · · · · · · · · · ·
2G-09 2G-090101		Concrete for Curb	173		
2G-090101 2G-090102		Form (side) for Curb		m2	··
2G-090102 2G-090103			2,880		
·		Form (bottom) for Curb Cement Concrete Base	648	m2	······································
2G-090201	~	····	30.6	m3	
2G-090202	Occurrents Courts (Thomas A)	Cement Mortar	12.3		
2G-10	Concrete Curb (Type-2)		2,000	m	· · · · · · · · · · · · · · · · · · ·
2G-100101		Concrete for Curb	60.0	m3	
2G-100102		Form (side) for Curb	1,040	m2	
2G-100103	<u></u>	Form (bottom) for Curb	320	m2	<u> </u>

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BOQ Item	Work Section Title	Quantity Item	Quantity	Unit	Remarks
2G-100201		Excavation	300	m3	
2G-100202		Crushed stone	25.0	m3	
2G-100203		Cement Concrete Base	50.0	m3	
2G-100204		Backfill	165	m	
2G-100205		Compaction	700	m2	
2G-11	Concrete Curb (Type-3)		1,100	m	
2G-110101		Concrete for Curb	59,4	m3	· ·
2G-110102		Form (side) for Curb	1,020	m2	
2G-110103		Form (bottom) for Curb	176	m2	
2G-110201		Excavation	165	m3	· ·
2G-110202		Crushed stone	13.8	m3	
2G-110203		Cement Concrete Base	27.5	m3	
2G-110204		Backfill	89.9	m	· · · · ·
2G-110205	· · · · · · · · · · · · · · · · · · ·	Compaction	385	m2	
2G-12	Traffic Marking		7,400	m2	
2G-13	Traffic Sign Board				· · · ·
2G-1301	Guide Post	· · · · · · · · · · · · · · · · · · ·	2	Nos	
2G-130101		Excavation	5.0	m3	-,
2G-130102		Form	10.0	m2	· · · · ·
2G-130103		Concrete	2.0	m3	
2G-130104		Backfill	4.0	m3	
2G-130105		Compaction	3.0	m2	
2G-1302	Sign Post		5	Nos	
2G-130201		Excavation	2.0	m3	
2G-130202		Form	10.0	m2	······································
2G-130203		Concrete	1.0	m3	
2G-130204		Backfill	1.0	m3	
2G-130205		Compaction	2.0	m2	
2G-1303	Road Sign		12.0	m2	

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