

SOUTHERN COAST INFRASTRUCTURE DEVELOPMENT PROJECT

BILL OF QUANTITIES

Project : Suai - Beaco Highway Road Project

Section : Section 1, Suai-Fatukai/Mola (sta. 03+920 - sta. 34+275)

Pay Item	Description	Unit	Quantity	Unit Price USD	Total Price (USD)
Part 1. General Requirements					
1.2	Mobilization	ls	1.00		-
1.8	Traffic Management and Safety	ls	1.00		-
1.19.8	Relocation of Existing Road Lighting Pole	each	62.00		-
1.21	Facilities For The Engineer	ls	1.00		-
Subtotal for Part 1: General Requirements					
Part 2: Drainage					
2.1	Excavation for Drainage Ditches and Waterways/ DS-1	cu.m.	11,504.48		-
2.3.4.a	Reinforced Concrete Pipe Culvert Dia. 100 cm, Type A	ln.m.	111.19		-
2.3.4.b	Reinforced Concrete Pipe Culvert Dia. 100 cm, Type B	ln.m.	2,178.45		-
2.3.4.c	Reinforced Concrete Pipe Culvert 2 x Dia. 100 cm, Type C	ln.m.	178.08		-
2.3.4.d	Reinforced Concrete Pipe Culvert 2 x Dia. 100 cm, Type D	ln.m.	803.35		-
2.3.9.a	DrainType DS - 4	ln.m.	8,638.00		-
2.3.9.c	DrainType DS - 8	ln.m.	22,342.00		-
2.3.9.e	Deck Pipes, Ø 4 Inc (Midle Parapet)	ln.m.	3,358.40		-
2.3.9.f	Deck Pipes, Ø 6 Inc (Parapet Right-Left)	ln.m.	3,642.65		-
2.3.9.g	Drainage Pipes, Ø 6 Inc With Connection and Support Equipment	ln.m.	588.00		-
2.3.9.i	Deck Drain and Accessories, Type 1	each	588.00		-
Subtotal for Part 2: Drainage					
Part 3: Earthworks					
3.1 (1)	Common Excavation	cu.m.	1,420,261.46		-
3.1 (2)	Rock Excavation	cu.m.	100.00		-
3.1 (3)	Structure Excavation 0 – 2 m depth	cu.m.	32,993.07		-
3.1 (4)	Structure Excavation 2 – 4 m depth	cu.m.	17,393.36		-
3.1 (5)	Structure Excavation 4 – 6 m depth	cu.m.	3,358.34		-
3.2 (1)	Common Embankment	cu.m.	5,048,247.68		-
3.2 (2)a	Granular Selected Embankment	cu.m.	29,931.88		-
3.3	Grade Preparation	sq.m.	758,748.41		-
3.4.2	Slope Stabilization with Sodding	sq.m.	546,714.05		-
3.4.3	Clearing and grubbing in sparse vegetation	sq.m.	1,672,802.39		-
3.4.4	Selected Tree Removal Diameter 15 - 30 cm	each	98.00		-
3.4.5	Selected Tree Removal Diameter 30 - 50 cm	each	55.00		-
3.4.6	Selected Tree Removal Diameter 50 - 75cm	each	38.00		-
3.4.7	Selected Tree Removal Diameter > 75 cm	each	20.00		-
Subtotal for Part 3: Earthworks					
Part 4: Pavement Widening and Shoulder					
Subtotal for Part 4: Pavement Widening and Shoulder					
Part 5: Granular Pavement					
5.1.1	Aggregate Base Class A	cu.m.	210,223.14		-
5.1.2	Aggregate Base Class B	cu.m.	296,102.25		-
Subtotal for Part 5: Granular Pavement					
Part 6: Asphalt Pavement					
6.1.1	Prime Coat	liter	714,039.52		-
6.1.2	Tack Coat	liter	574,411.15		-
6.3.5a	Asphalt Concete - Wearing Course (AC-WC), = 4 cm	sq.m.	612,689.38		-
6.3.6a	Asphalt Concrete - Binder Course (AC-BC) (fine/coarse)	cu.m.	34,601.19		-
6.3.7a	Asphalt Concrete - Base (AC-Base) (fine)	cu.m.	49,205.50		-
Subtotal for Part 6: Asphalt Pavement					
Part 7: Structure					
7.1.2	Structural Concrete Class, fc' = 33 Mpa (K.50)	cu.m.	33,918.45		-
7.1.3	Structural Concrete Class, fc' = 29 Mpa (K350)	cu.m.	14,867.54		-
7.1.5	Structural Concrete Class, fc' = 21 Mpa (K.250)	cu.m.	27,485.51		-
7.1.6	Un-reinforced Concrete Class, fc' = 15 Mpa (K.175)	cu.m.	147.46		-
7.1.8	Lean Concrete Class, fc' = 10 Mpa (K125)	cu.m.	2,236.58		-
7.1.9	Precast Concrete Plate for Deck Slab, Furnished	cu.m.	1,399.43		-
7.2.4	Precast Prestressed Unit Type I Girder Span 25 m	each	126.00		-
7.2.6	Precast Prestressed Unit Type I Girder Span 30 m	each	28.00		-
7.2.8.a	Precast Prestressed Unit Type I Girder Span 40 m	each	392.00		-
7.2.9.a	Anchor Bar + Anchor Cap dia 32 mm & Accessories (Fix)	each	1,404.00		-
7.2.9.b	Anchor Bar + Anchor Cap dia 32 mm & Accessories (Move)	each	936.00		-
7.2.11	Diaphragma concrete class, fc' = 29 MPa including postensioning	cu.m.	1,241.21		-
7.3.4	Reinforcing Steel Deformed Bars BJTD 40	kg	9,172,474.11		-
7.6.19	Cast in Place Concrete Pile, 80 cm diameter	ln.m.	5,600.00		-
7.6.21	Cast in Place Concrete Pile, 120 cm diameter	ln.m.	6,327.60		-
7.9	Stone Masonry	cu.m.	33,458.40		-
7.11.1	Expansion Joint Tipe Asphaltic Fixed Type	ln.m.	912.60		-
7.11.2	Expansion Joint Tipe Asphaltic Moved Type	ln.m.	912.60		-
7.12.3	Bearing Pad Type B (Type 2)	each	252.00		-

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7.12.4	Bearing Pad Type C (Type 3)	each	56.00		-
7.12.5	Bearing Pad Type D (Type.4)	each	784.00		-
Subtotal for Part 7: Structure					-
Part 8: Reinstatement and Minor Works					
8.3.3	Trees	each	3,427.00		-
8.4.1	Pavement Markings Thermoplastic Type 1	sq.m.	22,719.81		-
8.4.4b	Regulatory and Warning Signs, Type A-1	each	47.00		-
8.4.4c	Regulatory and Warning Signs, Type A-2	each	14.00		-
8.4.4d	Regulatory and Warning Signs, Type B-1	each	14.00		-
8.4.4e	Regulatory and Warning Signs, Type B-2	each	13.00		-
8.4.4g	Signs Instructions, Warnings and Ban Type A - 1	each	7.00		-
8.4.4h	Signs Instructions, Warnings and Ban Type A - 2	each	49.00		-
8.4.4l	Signs Instructions, Warnings and Ban Type B - 1	each	36.00		-
8.4.4m	Signs Instructions, Warnings and Ban Type B - 2	each	6.00		-
8.4.5a	Guide Posts concrete	each	410.00		-
8.4.5b	Guide Posts plastic type with metal anchor	each	4,447.00		-
8.4.6a	Kilometre Posts	each	171.00		-
8.4.7a	Guard Rail (excluding terminal lengths)	In.m.	40,701.60		-
8.4.7c	Guard Rail BCTA terminal (5.1 m)	each	61.00		-
8.4.10a	Precast Portland Cement Concrete Curb Type (A, C, E and transit	In.m.	2,290.91		-
8.4.10h	Precast Portland Cement Concrete barrier type B	In.m.	57,125.83		-
8.4.12a	Delineator tipe A	each	76.00		-
8.4.12c	Chainlink fence	In.m.	116.25		-
8.4.13	ROW Fence, Type 2 (Barbed Wire)	In.m.	80,275.08		-
8.4.13c	Road Lighting Pole, H = 11 m, Double lamp. 2 x 250 watt	each	40.00		-
8.4.13d	Traffic Light type 1	each	4.00		-
8.4.13g	Cable NYFGBY 4 x 10 mm2	In.m.	1,600.00		-
Subtotal for Part 8: Reinstatement and Minor Works					-
Part 9: Dayworks					
9.1	Foreman	Hour	216.00		-
9.2	Labor	Hour	864.00		-
9.3	Skilled Labor	Hour	432.00		-
9.4	Dump Truck 3-4 M ³	Hour	216.00		-
9.7	Bulldozer 100 – 150 HP	Hour	108.00		-
9.9	Wheel Loader 1.0 – 1.6 M ³	Hour	108.00		-
9.11	Excavator 80 – 140 HP	Hour	108.00		-
Subtotal for Part 9: Dayworks					-
TOTAL BID PRICE					-