

Section VIII. Bill of Quantities

REHABILITATION OF FMR FROM KILAGDING RECENIA – KIBAGIOU ROAD, LAAK WITH BRIDGE COMPONENT

Laak, Province of Davao de Oro

Subproject ID No.: PRDP-SU-IB-R011-DDO-003-000-000-2023-FMB

Item No.	Scope of Works	Quantity	Unit	Unit Cost	Total Cost
I.	General Requirement				
SPL-3	Provision of Combined Field Office and Laboratory Building for the Engineer (Rental Basis)	1.00	Lump Sum		
B.4(1)	Construction Survey and Staking	7.93	Kilometer		
B.5	Project Billboard / Signboard	2.00	Each		
B.7(2)	Occupational Safety and Health Program	1.00	Lump Sum		
B.8(2)	Traffic Management	1.00	Lump Sum		
B.9	Mobilization / Demobilization	1.00	Lump Sum		
II.	Rehabilitation of Farm to Market Road				
100(3)a2	Individual Removal of Trees (Small, 301 - 500mm dia.)	80.00	Each		
101(4)a1	Removal of Actual Structure / Obstruction - 610mm dia. RCPC	15.00	Linear Meter		
102(2)	Surplus Common Excavation	86,757.75	Cubic Meter		
102(3)a	Surplus Rock Excavation (Soft)	20,625.40	Cubic Meter		
104(1)a	Embankment from Roadway Excavation, Common Soil	15,831.86	Cubic Meter		
105(1)a	Subgrade Preparation (Common Material)	74,392.33	Square Meter		
200(1)	Aggregate Subbase Course	27,277.06	Cubic Meter		
311(1)c1	Portland Cement Concrete Pavement (Unreinforced), 230mm. thick	5,901.00	Square Meter		
311(1)c1	Portland Cement Concrete Pavement (Unreinforced), 230mm. thick	40,088.75	Square Meter		
311(2)f1	Portland Cement Concrete Pavement (Reinforced), 300mm. thick	57.50	Square Meter		
III.	Drainage and Slope Protection				
103(1)a	Structure Excavation, Common Soil	2,431.88	Cubic Meter		
103(3)	Foundation Fill	525.33	Cubic Meter		
103(6)a	Pipe Culverts and Drain Excavation, Common Soil	9,106.27	Cubic Meter		
404(1)a	Reinforcing Steel, Grade 40	71,981.13	Kilogram		
405(1)a3	Structural Concrete, Class A (20.68 MPa)	2,376.55	Cubic Meter		
407(8)	Lean Concrete, Class B (16.50 MPa)	1.44	Cubic Meter		
500(1)a1	Pipe Culverts 610mm. diameter, Class II	8.00	Linear Meter		
500(1)a3	Pipe Culverts 910mm. diameter, Class II	96.00	Linear Meter		
505(2)a	Grouted Riprap, Class A	2,218.30	Cubic Meter		

506(1)	Stone Masonry	1,165.10	Cubic Meter		
IV.	Miscellaneous Item				
602(3)b	Kilometer Posts (Precast)	2.00	Each		
603(3)a1	Metal Guardrails (Metal Beam) Including Concrete Post, Single, W- Beam	6,169.50	Linear Meter		
603(4)a	Metal Beam End Piece, Fish Tail	52.00	Each		
605(1)c1	Warning Signs (W1 - 3A)	24.00	Each		
605(1)e1	Warning Signs (W1 - 5A)	12.00	Each		
605(1)f1	Warning Signs (W1 - 6A)	4.00	Each		
605(1)g2	Warning Signs (W2 - 1B)	2.00	Each		
605(1)j2	Warning Signs (W2 - 4B)	1.00	Each		
605(1)k2	Warning Signs (W2 - 5B)	6.00	Each		
605(1)l2	Warning Signs (W2 - 6B)	2.00	Each		
605(1)ai1	Warning Signs (W6 - 1B)	8.00	Each		
605(1)aj1	Warning Signs (W6 - 2B)	2.00	Each		
605(6)e1	Hazard Markers (Chevron Signs - 450mm X 600mm)	491.00	Each		
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	1,706.00	Square Meter		
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	1,189.50	Square Meter		
622(1)a	Bio-Engineering Solutions (Coco- Net), CN 400	5,123.90	Square Meter		
622(2)c	Bio-Engineering Solutions (Coco- Logs/Fascine), CN 300	340.00	Linear Meter		
622(3)a	Bio-Engineering Solutions (Vegetation)	4,378.20	Square Meter		
V.	Construction of Bridge				
SPL-1	Craneway / Detour	1.00	Lump Sum		
103(2)a	Bridge Excavation (Common Soil)	311.60	Cubic Meter		
104(1)a	Embankment from Roadway Excavation, Common Soil	1,786.94	Cubic Meter		
311(2)f1	Portland Cement Concrete Pavement (Reinforced), 300mm. thick	57.50	Square Meter		
400(17)e	Concrete Piles Cast in Drilled Holes, 1.20mø	120.00	Meter		
400(23)e2	Permanent Casing, 1.20mø, 12mm thk.	24.00	Meter		
400(26)a	Pile Integrity Testing, Crosshole- Sonic	2.00	Each		
400(27)	High Strain Dynamic Test (P.D.A)	2.00	Each		
400(33)	Steel Casing (Temporary, 1.20 m. dia.)	96.00	Linear Meter		
401(2)a	Concrete Railing, Standard (Double)	57.40	Meter		
404(1)a	Reinforcing Steel, Grade 40	21,856.00	Kilogram		
404(1)b	Reinforcing Steel, Grade 60	46,469.00	Kilogram		
405(1)b3	Structural Concrete, 27.58 MPa, Class A, 28 Days	151.68	Cubic Meter		

406(1)f8	Prestressed Structural Concrete Members, 30.00 m., Type IV-B, I Girders	4.00	Each		
407(8)	Lean Concrete, Class B (16.50 Mpa)	1.46	Cubic Meter		
411(2)	Paint (Concrete Structure)	185.39	Square Meter		
412(1)	Elastomeric Bearing Pads (60 mm x 500 mm x 661 mm)	8.00	Each		
413(3)a	Premolded Expansion Joint Filler with Sealant, 12mm	0.91	Cubic Meter		
505(2)a	Grouted Riprap, Class A	504.00	Cubic Meter		
507(1)	Rubble Concrete	137.64	Cubic Meter		
517(1)a	Drain Pipe, Galvanized (150mm Ø)	7.20	Linear Meter		
612(1)	Reflectorized Thermoplastic Pavement Markings (White)	6.00	Square Meter		
612(2)	Reflectorized Thermoplastic Pavement Markings (Yellow)	4.50	Square Meter		
605(2)ag3	Regulatory Signs (R6 - 4)	2.00	Each		
SPL-2	Solar Streetlights	2.00	Each		
TOTAL BID AMOUNT					

Total Amount in Words:

Submitted by:

Name of Contractor/Authorized Representative

Please follow the link (<https://tinyurl.com/Kilagding-De-Oro-FMB>) for downloadable and editable Bill of Quantities