



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
CENTRAL OFFICE
Manila



Contract ID No. : **24Z00026**
Contract Name : TAG-CW01: Tagum – Libuganon River Basin Flood Control Infrastructures, Carmen and Tagum City, Davao Del Norte under Integrated Floor Resilience and Adaptation 1 (InFRA) Project, ADB Loan No. 4345-PHI
Location : Davao del Norte

SUPPLEMENTAL BULLETIN NO. 2

JUN 11 2025

This Supplemental Bulletin No. 2 is issued to revise the provisions of the Bidding Documents (BDs), and the information provided herein shall supersede all relevant information contained in the corresponding section of the said BDs, which shall read as follows in accordance with Section I. Instruction to Bidders (ITB) of the BDs, ITB Clause 8, Amendment of Bidding Document:

Part of BDs	Current Provisions of BDs	Amended Provision under this Supplemental Bulletin
Section IV: Bidding Forms, Bill of Quantities (BOQ)		Please refer to the attached Annex "A" for the corrected BOQ.

This Supplemental Bulletin shall form an integral part of the said Bidding Documents.

For the information and guidance of all concerned.

ADOR G. CANLAS

Undersecretary for Technical Services and Information Management Service
Chairperson, Bids and Awards Committee (BAC) for Civil Works
SO No. 151, s. 2024

2.1.1 MCRG/MVEG

B. BILL OF QUANTITIES

Bill of Quantities

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
GENERAL REQUIREMENTS					
PART A	FACILITIES FOR THE ENGINEERS				
A.1.1(2)	Construction of Combined Field Office and Laboratory Building for the Engineer	1.00	lump sum		
A.1.1(5)	Construction of Living Quarters for the Engineer	1.00	lump sum		
A.1.1(7)	Provision of Combined Field Office and Laboratory Building for the Engineer (Rental Basis)	6.00	month		
A.1.1(8)	Provision of Field Office for the Engineer (Rental Basis) – for Satellite Office	48.00	month		
A.1.1(10)	Provision of Living Quarters for the Engineer (Rental Basis)	6.00	month		
A.1.1(10)a	Provision of Living Quarters for the Engineer (Rental Basis) – for Satellite Office	48.00	month		
A.1.1(11)	Provision of Furnitures/Fixtures, Equipment & Appliances for the Field Office for the Engineer	1.00	lump sum		
A.1.1(11)a	Provision of Furnitures/Fixtures, Equipment & Appliances for the Field Office for the Engineer (Satellite office)	1.00	lump sum		
A.1.1(12)	Provision of Furnitures/Fixtures, Equipment & Appliances for the Laboratory Building for the Engineer	1.00	lump sum		
A.1.1(13)	Provision of Furnitures/Fixtures, & Appliances for the Living Quarters for the Engineer	1.00	lump sum		
A.1.1(13)a	Provision of Furnitures/Fixtures, & Appliances for the Living Quarters for the Engineer (satellite office)	1.00	lump sum		
A.1.1(14)	Provision of Laboratory Testing Equipment, Apparatus and Publications for the Engineer	1.00	lump sum		
A.1.1(16)	Operation & Maintenance of Field Office for the Engineer	48.00	month		
A.1.1(16)a	Operation & Maintenance of Field Office for the Engineer (satellite office)	48.00	month		
A.1.1(17)	Operation & Maintenance of Laboratory Building for the Engineer	48.00	month		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
A.1.1(18)	Operation & Maintenance of Living Quarters for the Engineer	48.00	month		
A.1.2(1)	Provision of 4x4 Pick Up Type Service Vehicle for the Engineer	4.00	unit		
A.1.2(5)	Operation and Maintenance of 4x4 Pick Up Type Service Vehicle for the Engineer (4 units)	48.00	vehicle-month		
A.1.2 (7)	Provision of Passenger Van	2.00	unit		
A.1.2 (9)	Operation and Maintenance of Passenger Van (2 units)	48.00	vehicle-month		
A.1.2 (13)	Provision of Motorized Boat/Seacraft for the Engineer	2.00	unit		
A.1.2 (15)	Operation and Maintenance of Motorized Boat/Seacraft for the Engineer (2 units)	48.00	vehicle-month		
A.1.4(1)	Provision of Progress Photographs	48.00	month		
A.1.5(1)	Provision of Communication Facility/Equipment for the Engineer	1.00	lump sum		
Sub-total for Item A					
PART B	OTHER GENERAL REQUIREMENTS				
B.2	Medical Room and First Aid Facilities	1.00	lump sum		
B.3	Permits and Clearances	1.00	lump sum		
B.4(1)	Construction Survey and Staking	36.00	kilometer		
B.5	Project Billboard/ Signboard	7.00	each		
B.7(1)	Occupational Safety and Health Program	48.00	month		
B.8(1)	Traffic Management	48.00	month		
B.9	Mobilization / Demobilization	1.00	lump sum		
B.10	Dayworks	1.00	provisional sum		
B.11	Provisional Sum	1.00	provisional sum	Php 98,007,553.13	Php 98,007,553.13
B.12	Removal and Relocation of Utilities	1.00	lump sum		
B.13	Additional Geotechnical Investigation	1.00	lump sum		
B.14	Environmental Management and Monitoring (with Biodiversity Offset Plan)	48.00	month	Php 4,246,584.69	Php 203,836,065.04
B.15 (1)	Detour/ Access Road	1.00	lump sum		
B.18 (1)	Craneway	1.00	lump sum		
B.21 (1)	Temporary Bridge	1.00	lump sum		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
Sub-total for Item Part B					
TOTAL FOR GENERAL REQUIREMENTS					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
D1-4	BANK PROTECTION WORKS, CHANNEL WIDENING ALONG TUGANAY RIVER & CONST. OF TUGANAY OFF CHANNEL CARMEN, DAVAO DEL NORTE				
	CHANNEL				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
100 (1)	Clearing and Grubbing	20.13	hectare		
103 (1)a	Structure Excavation, Common Soil	1,555.60	cubic meter		
104 (2)a	Embankment from Borrow, Common Soil	5,291.36	cubic meter		
104 (7)	Gravel Fill	54.85	cubic meter		
105 (1)a	Subgrade Preparation, Common Material	50,126.38	square meter		
Sub-total for Item Part C					
PART D	SUBBASE AND BASE COURSE				
200 (1)	Aggregate Subbase Course	10,403.56	cubic meter		
Sub-total for Item Part D					
PART E	SURFACE COURSES				
300 (2)	Crushed Aggregate Surface Course	5,135.22	cubic meter		
Sub-total for Item Part E					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
505 (2)a	Grouted Riprap, Class A	15.16	cubic meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
611 (2)	Seedlings/Saplings for Other Programs/Initiatives	2,000.00	each		
622 (1)a	Coco-net CN 400	79,969.71	square meter		
Sub-total for Item Part H					
PART I	MATERIALS DETAILS				
715 (2)	Separation Geotextile	51,516.99	square meter		
715 (5).1	Hydraulic Filter (Concrete Mattress)	808.68	square meter		
Sub-total for Item Part I					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
STANDARD SPECIFICATION FOR PUBLIC WORKS STRUCTURES, VOLUME III (BUILDINGS, PORTS AND HARBORS, FLOOD CONTROL AND DRAINAGE STRUCTURES, AND WATER SUPPLY SYSTEM)					
DIVISION I	GENERAL				
PART C	EARTHWORK				
801 (6)	Removal of Structures and Obstruction, Concrete	400.00	cubic meter		
Sub-total for Item Part C					
PART D	REINFORCED CONCRETE				
900 (1)c	Structural Concrete 3000psi Class A 28 days	51.79	cubic meter		
901 (1)	Lean Concrete	10.16	cubic meter		
902 (1)a1	Reinforcing Steel (Deformed) Grade 40	2,452.00	kilogram		
Sub-total for Item Part D					
DIVISION IV	FLOOD CONTROL, DRAINAGE AND WATER SUPPLY				
PART L	FLOOD AND RIVER CONTROL AND DRAINAGE				
PART L-A	EARTHWORK				
1700 (1)	Clearing and Grubbing	45,438.75	square meter		
1701 (2)	Surplus Common Excavation	305,466.48	cubic meter		
1703 (3)	Dredging using Backhoe on Barge	480,586.20	cubic meter		
1704 (1)b	Embankment from Borrow	104.90	cubic meter		
Sub-total for Item PART L-A					
	FOR DRAINAGE				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART D	SUBBASE AND BASE COURSE				
200 (1)	Aggregate Subbase Course	751.84	cubic meter		
Sub-total for Item Part D					
PART H	MISCELLANEOUS STRUCTURES				
613 (2)	Concrete Joint Sealant (Cold-Applied Type)	206.14	kilogram		
Sub-total for Item Part H					
PART I	MATERIALS DETAILS				

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
715 (2)	Separation Geotextile	2,429.81	square meter		
715 (5).1	Hydraulic Filter (Concrete Mattress)	1,721.22	square meter		
Sub-total for Item Part I					
STANDARD SPECIFICATION FOR PUBLIC WORKS STRUCTURES, VOLUME III (BUILDINGS, PORTS AND HARBORS, FLOOD CONTROL AND DRAINAGE STRUCTURES, AND WATER SUPPLY SYSTEM)					
DIVISION I	GENERAL				
PART D	REINFORCED CONCRETE				
900 (1)c	Structural Concrete 3000 psi Class A 28 days	67.63	cubic meter		
900 (1)d	Structural Concrete 4000 psi Class A 28 days	57.95	cubic meter		
901 (1)	Lean Concrete	6.19	cubic meter		
902 (1)a1	Reinforcing Steel (Deformed) Grade 40	5,471.00	kilogram		
902 (1)a2	Reinforcing Steel (Deformed) Grade 60	6,539.00	kilogram		
Sub-total for Item Part D					
DIVISION IV	FLOOD CONTROL, DRAINAGE AND WATER SUPPLY				
PART L	FLOOD AND RIVER CONTROL AND DRAINAGE				
PART L-A	EARTHWORK				
1702 (1)a	Structure Excavation Common Soil	1,456.18	cubic meter		
1702 (5)a	Pipe Culverts and Drain Excavation, Common Soil	308.59	cubic meter		
1704 (4)	Gravel Fill	11.06	cubic meter		
1705 (1)	Fill and Backfill	612.15	cubic meter		
Sub-total for Item Part L-A					
PART L-C	DRAINAGE WORKS				
1718 (1)b3	Pipe Culverts 910mm dia. Class IV RCPC	87.00	linear meter		
1718 (1)b4	Pipe Culverts 1070mm dia. Class IV RCPC	21.00	linear meter		
Sub-total for Item Part L-C					
TOTAL FOR D1-4					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
D1-5	BANK PROTECTION WORKS AND CHANNEL WIDENING ALONG LAAN RIVER CARMEN, DAVAO DEL NORTE				
	CHANNEL				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART I	MATERIALS DETAILS				
715 (2)	Separation Geotextile	2,580.00	square meter		
715 (5).1	Hydraulic Filter (Concrete Mattress)	2,580.00	square meter		
Sub-total for Item Part I					
STANDARD SPECIFICATION FOR PUBLIC WORKS STRUCTURES, VOLUME III (BUILDINGS, PORTS AND HARBORS, FLOOD CONTROL AND DRAINAGE STRUCTURES, AND WATER SUPPLY SYSTEM)					
DIVISION I	GENERAL				
PART C	EARTHWORK				
801 (6)	Removal of Structures and Obstruction, Concrete	175.00	cubic meter		
Sub-total for Item Part C					
DIVISION IV	FLOOD CONTROL, DRAINAGE AND WATER SUPPLY				
PART L	FLOOD AND RIVER CONTROL AND DRAINAGE				
PART L-A	EARTHWORK				
1700 (1)	Clearing And Grubbing	227,037.80	square meter		
1703(3)	Dredging using Backhoe on Barge	874,526.77	cubic meter		
Sub-total for Item Part L-A					
TOTAL FOR CHANNEL					
TOTAL FOR D1-5					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
D1-5	FOOTBRIDGE				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
100 (1)	Clearing and Grubbing	0.02	hectare		
103 (2)a2	Bridge Structure Excavation Common Soil (AOWL – Above Ordinary Water Level)	84.00	cubic meter		
Sub-total for Item Part C					
PART D	SUBBASE AND BASE COURSE				
200 (1)	Aggregate Subbase Course	0.75	cubic meter		
Sub-total for Item Part D					
PART F	BRIDGE CONSTRUCTION				
	SUPERSTRUCTURE WORKS				
403 (5)a1	Structural Steel, Furnished, Fabricated and Erected Grade 36	12,373.04	kilogram		
403 (6)	Structural Steel, Painting Works	361.40	square meter		
412 (1)c	Elastomeric Bearing Pads (200mm x 200mm x 25mm)	4.00	each		
413 (3)a	Pre-molded Expansion Joint Filler with Sealant, 12mm thk	0.02	cubic meter		
413 (4)e2	Expansion Joint 25mm Gap Compression Seal	2.50	linear meter		
	SUBSTRUCTURE WORKS				
400 (26)b	Pile Integrity Testing Low Strain	8.00	each		
400 (27)	Hight Strain Dynamic Testing (P.D.A)	2.00	each		
400 (34)c	Permanent Casing (Micro Piles) 0.30m	5,326.88	kilogram		
400 (37)c	Micro Piles 0.30m	72.00	meter		
404 (1)a	Reinforcing Steel, Grade 40	264.37	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	1,140.30	kilogram		
405 (1)b3	Structural Concrete, 27.58Mpa Class A 28days	6.97	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5Mpa	0.66	cubic meter		
Sub-total for Item Part F					

PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
505 (2)a	Grouted Riprap Class A	21.65	cubic meter		
Sub-total for Item Part G					
TOTAL FOR D1-5 FOOTBRIDGE					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
D2-6B BR01	CONSTRUCTION OF NEW 6-LANE BRIDGE AT NATIONAL HIGHWAY CARMEN, DAVAO DEL NORTE				
	APPROACH ROAD				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
100 (1)	Clearing and Grubbing	2.05	hectare		
101 (3)b6	Removal of Actual Structures/ Obstructions 0.30m thick PCCP (Unreinforced)	10,160.00	square meter		
101 (3)c2	Removal of Actual Structures/ Obstructions 0.10m thick ACP	10,160.00	square meter		
101 (6)	Removal of Structures and Obstructions Concrete	187.49	cubic meter		
101 (8)	Removal of Existing Guardrails	351.00	linear meter		
101 (9)	Removal of Existing Guardrail Posts	93.00	each		
102 (1)	Unsuitable Excavation	2.05	cubic meter		
103 (1)a	Structure Excavation Common Soil	1,127.76	cubic meter		
104 (2)a	Embankment from Borrow Common Soil	26,175.26	cubic meter		
104 (7)	Gravel Fill	16.15	cubic meter		
105 (1)a	Subgrade Preparation, Common Material	3,419.21	square meter		
Sub-total for Item Part C					
PART D	SUBBASE AND BASE COURSE				
200 (1)	Aggregate Subbase Course	3,038.41	cubic meter		
Sub-total for Item Part D					
PART E	SURFACE COURSES				
300 (2)	Crushed Aggregate Surface Course	12.52	cubic meter		
311 (1)a	Portland Cement Concrete Pavement (Unreinforced) 0.15mm thick 14 days	2,339.65	square meter		
311 (1)f1	Portland Cement Concrete Pavement (Unreinforced) 0.30mm thick 14 days	9,941.46	square meter		
Sub-total for Item Part E					
PART F	BRIDGE CONSTRUCTION				
404 1)a	Reinforcing Steel, Grade 40	978.00	kilogram		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
405 (1)a3	Structural Concrete, 20.68Mpa Class A 28 days	14.00	cubic meter		
405 (1)b3	Structural Concrete, 27.58Mpa Class A 28 days	12.24	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5Mpa	1.08	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
505 (2)a	Grouted Riprap Class A	219.76	cubic meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
603 (3)a1	Metal Guardrail (Metal Beam) including Post Single W-Beam	687.28	linear meter		
603 (4)b	Metal Beam End Piece Bull Nose	6.00	each		
612 (1)	Reflectorized Thermoplastic Pavement Markings White	295.45	square meter		
Sub-total for Item Part H					
PART I	MATERIALS DETAILS				
715 (2)	Separation Geotextile	17,349.92	square meter		
715 (5).1	Hydraulic Filter (Concrete Mattress)	180.77	square meter		
Sub-total for Item Part I					
STANDARD SPECIFICATION FOR PUBLIC WORKS STRUCTURES, VOLUME III (BUILDINGS, PORTS AND HARBORS, FLOOD CONTROL AND DRAINAGE STRUCTURES, AND WATER SUPPLY SYSTEM)					
DIVISION II	BUILDINGS				
PART E	FINISHING AND OTHER CIVIL WORKS				
1046 (1)a2	CHB Load Bearing (including Reinforcing Steel) 150mm thick	902.40	square meter		
Sub-total for Item Part E					
TOTAL FOR APPROACH ROAD					
	BRIDGE				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
100 (1)	Clearing and Grubbing	0.09	hectare		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
103 (2)a1	Bridge Structure Excavation Common Soil	315.37	cubic meter		
Sub-total for Item Part C					
PART F	BRIDGE CONSTRUCTION				
	SUPERSTRUCTURE WORKS				
401 (1)a1	Metal Railing Grade 36 Steel	94.10	meter		
401 (2)a	Concrete Railing, Standard	156.80	meter		
404 (1)a	Reinforcing Steel, Grade 40	5,620.00	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	68,071.00	kilogram		
405 (1)b3	Structural Concrete, 27.58Mpa Class A 28 days	478.63	cubic meter		
405 (6)	Structural Concrete, Painting Works	481.37	square meter		
406 (1)h7	Prestressed Structural Concrete Members 39.10m Type VI I-Girders	12.00	each		
407 (8)	Lean Concrete, Class B, 16.5Mpa	5.72	cubic meter		
412 (1)c2	Elastomeric Bearing Pads (350mm x 700mm x 70mm)	24.00	each		
413 (3)a	Pre-molded Expansion Joint Filler with Sealant, 12mm thick	0.75	cubic meter		
413 (4)e5	Expansion Joint 50mm Gap Compression Seal	58.70	linear meter		
	SUBSTRUCTURE WORKS				
400 (6)	Structural Steel Sheet Piles, furnished (83.60 kg/m)	1,848.00	meter		
400 (12)	Structural Steel Sheet Piles, driven	1,760.00	meter		
400 (17)e	Concrete Piles cast in Drilled Holes 1.2m dia.	960.00	meter		
400 (23)e1	Permanent Casing 1.2m dia. 10 mm thick	288.00	meter		
400 (26)a	Pile Integrity Testing Crosshole-sonic	8.00	each		
400 (27)	High Strain Dynamic Testing (P.D.A)	2.00	each		
403 (5)a2	Structural Steel, Furnished, Fabricated and Erected Grade 50	2,701.91	kilogram		
404 (1)a	Reinforcing Steel, Grade 40	3,356.00	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	38,062.00	kilogram		
405 (1)a3	Structural Concrete, 20.68Mpa Class A 28 days	44.06	cubic meter		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
405 (1)b3	Structural Concrete, 27.58Mpa Class A 28 days	187.31	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5Mpa	11.90	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
505 (2)a	Grouted Riprap, Class A	73.33	cubic meter		
510 (2)	Concrete, Slope Protection	191.73	cubic meter		
517 (1)a	Drain Pipe, Galvanized	19.20	linear meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
624 (9)e2	Single Arm Solar LED Roadway Lighting, 12m-Pole 200W-300W	12.00	each		
Sub-total for Item Part H					
TOTAL FOR BRIDGE					
	FOR DRAINAGE				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
103 (6)a	Pipe Culverts and Drain Excavation Common Soil	192.06	cubic meter		
104 (7)	Gravel Fill	11.49	cubic meter		
Sub-total for Item Part C					
PART F	BRIDGE CONSTRUCTION				
404 (1)a	Reinforcing Steel, Grade 40	501.00	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	1,447.00	kilogram		
405 (1)a3	Structural Concrete, 20.68Mpa Class A 28 days	29.75	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5Mpa	1.69	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
500 (1)b1	Pipe Culverts 610 mm dia. Class IV RCP	6.00	linear meter		
500 (1)b3	Pipe Culverts 910 mm dia. Class IV RCP	16.00	linear meter		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
500 (1)b4	Pipe Culverts 1070 mm dia. Class IV RCPC	31.00	Linear meter		
500 (1)b5	Pipe Culverts 1220 mm dia. Class IV RCPC	10.00	Linear meter		
Sub-total for Item PART G					
TOTAL FOR D2-6B BR01					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
D2-6C BR01	CONSTRUCTION OF NEW 6-LANE BRIDGE AT NATIONAL HIGHWAY CARMEN, DAVAO DEL NORTE				
	APPROACH ROAD				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
100 (1)	Clearing and Grubbing	2.88	hectare		
101 (3)b6	Removal of Actual Structures/ Obstructions 0.30m thick PCCP (Unreinforced)	10,800.00	square meter		
101 (3)c2	Removal of Actual Structures/ Obstructions 0.10m thick ACP	10,800.00	square meter		
101 (6)	Removal of Structures and Obstruction Concrete	200.74	cubic meter		
101 (8)	Removal of Existing Guardrails	780.00	linear meter		
101 (9)	Removal of Existing Guardrail Posts	206.00	each		
102 (1)	Unsuitable Excavation	2,313.89	cubic meter		
103 (1)a	Structure Excavation Common Soil	2,159.16	cubic meter		
104 (2)a	Embankment from Borrow, Common Soil	33,256.85	cubic meter		
104 (7)	Gravel Fill	18.89	cubic meter		
105 (1)a	Subgrade Preparation, Common Material	4,961.86	square meter		
Sub-total for Item Part C					
PART D	SUBBASE AND BASE COURSE				
200 (1)	Aggregate Subbase Course	4,462.00	cubic meter		
Sub-total for Item Part D					
PART E	SURFACE COURSES				
300 (2)	Crushed Aggregate Surface Course	128.90	cubic meter		
311 (1)a	Portland Cement Concrete Pavement, (Unreinforced) 0.15m thick, 14 days	2,258.41	square meter		
311 (1)f1	Portland Cement Concrete Pavement, (Unreinforced) 0.30m thick, 14 days	12,259.87	square meter		
Sub-total for Item Part E					
PART F	BRIDGE CONSTRUCTION				

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
404 (1)a	Reinforcing Steel, Grade 40	1,237.00	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	20.717.00	kilogram		
405 (1)a3	Structural Concrete, 20.68Mpa Class A 28days	26.51	cubic meter		
405 (1)b3	Structural Concrete, 27.58Mpa Class A 28 days	85.68	cubic meter		
407 (8)	Lean Concrete, Class B 16.5Mpa	9.44	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
505 (2)a	Grouted Riprap Class A	1,786.48	cubic meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
603 (3)a1	Metal Guardrail (Metal Beam) including Post, Single, W-Beam	774.67	linear meter		
603 (4)b	Metal Beam End Piece Bull Nose	16.00	each		
612 (1)	Reflectorized Thermoplastic Pavement Markings White	243.00	square meter		
Sub-total for Item Part H					
PART I	MATERIALS DETAILS				
715 (2)	Separation Geotextile	21,788.66	square meter		
715 (5).1	Hydraulic Filter (Concrete Mattress)	69.15	square meter		
Sub-total for Item Part I					
STANDARD SPECIFICATION FOR PUBLIC WORKS STRUCTURES, VOLUME III (BUILDINGS, PORTS AND HARBORS, FLOOD CONTROL AND DRAINAGE STRUCTURES, AND WATER SUPPLY SYSTEM)					
DIVISION II	BUILDINGS				
PART E	FINISHING AND OTHER CIVIL WORKS				
1046 (1)a2	CHB Load Bearing (including Reinforcing Steel) 150 mm thick	1,445.34	square meter		
Sub-total for Item Part E					
TOTAL for APPROACH ROAD of D2-6C BR01					
	BRIDGE				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
100 (1)	Clearing and Grubbing	0.06	hectare		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
104 (2)a	Embankment from Borrow, Common Soil	293.38	cubic meter		
Sub-total for Item Part C					
PART F	BRIDGE CONSTRUCTION				
	SUPERSTRUCTURE WORKS				
401 (1)a1	Metal Railing Grade 36 Steel	94.10	meter		
401(2)a	Concrete Railing, Standard	156.80	meter		
404(1)a	Reinforcing Steel, Grade 40	5,709.00	kilogram		
404(1)b	Reinforcing Steel, Grade 60	68,660.00	kilogram		
405(1)b3	Structural Concrete, 27.58MPa Class A 28 days	480.68	cubic meter		
405 (6)	Structural Concrete, Painting Works	481.37	square meter		
406 (1)h7	Prestressed Structural Concrete Members 39.10m Type VI I-Girders	12.00	each		
407 (8)	Lean Concrete, Class B, 16.5MPa	5.72	cubic meter		
412 (1)c2	Elastomeric Bearing Pads (350mm x 700mm x 70mm)	24.00	each		
413 (3)a	Pre-molded Expansion Joint Filler with Sealant, 12mm thick	0.75	cubic meter		
413 (4)e5	Expansion Joint 50mm Gap Compression Seal	58.70	linear meter		
	SUBSTRUCTURE WORKS				
400 (6)	Structural Steel Sheet Piles, Furnished (83.60 kg./m)	1,848.00	meter		
400 (12)	Structural Steel Sheet Piles, Driven	1,760.00	meter		
400 (17)e	Concrete Piles cast in Drilled Holes 1.2m dia.	960.00	meter		
400(23) e1	Permanent Casing, 1.2m dia., 10mm thick	384.00	meter		
400 (26)a	Pile Integrity Testing Crosshole-Sonic	8.00	each		
400 (27)	High Strain Dynamic Testing (P.D.A)	2.00	each		
403 (5)a2	Structural Steel, Furnished, Fabricated, and Erected Grade 50	2,701.91	kilogram		
404 (1)a	Reinforcing Steel, Grade 40	3,356.00	kilogram		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
404 (1)b	Reinforcing Steel, Grade 60	38,062.00	kilogram		
405 (1)a3	Structural Concrete, 20.68MPa Class A 28 days	44.06	cubic meter		
405 (1)b3	Structural Concrete, 27.58MPa Class A 28 days	187.31	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5MPa	11.90	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
505 (2)a	Grouted Riprap, Class A	73.33	cubic meter		
510 (2)	Concrete, Slope Protection	191.73	cubic meter		
517 (1)a	Drain Pipe, Galvanized	19.20	linear meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
624 (9)e2	Single Arm Solar LED Roadway Lighting, 12m-Pole 200W - 300W	12.00	each		
Sub-total for Item Part H					
TOTAL for BRIDGE of D2-6C BR01					
	FOR DRAINAGE				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
103 (1)a	Structure Excavation Common Soil	2,193.26	cubic meter		
103 (6)a	Pipe culverts and drain excavation Common Soil	123.97	cubic meter		
104 (7)	Gravel Fill	9.52	cubic meter		
Sub-total for Item Part C					
PART D	SUBBASE AND BASE COURSE				
200 (1)	Aggregate Subbase Course	1,148.05	cubic meter		
Sub-total for Item Part D					
PART F	BRIDGE CONSTRUCTION				
404 (1)a	Reinforcing Steel, Grade 40	4,463.00	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	6,141.00	kilogram		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
405 (1)a3	Structural Concrete, 20.68MPa Class A 28 days	10.47	cubic meter		
405 (1)b3	Structural Concrete, 27.58MPa Class A 28 days	70.89	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5MPa	4.87	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
500 (1)b1	Pipe Culverts 610 mm dia. Class IV RCPC	15.00	linear meter		
500 (1)b5	Pipe Culverts 1220 mm dia. Class IV RCPC	10.00	linear meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
613 (2)	Concrete Joint Sealant (Cold-Applied Type)	385.46	kilogram		
Sub-total for Item Part H					
PART I	MATERIALS DETAILS				
715 (2)	Separation Geotextile	1,091.17	square meter		
Sub-total for Item Part I					
TOTAL for DRAINAGE of D2-6C BR01					
TOTAL D2-6C BR01					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
D2-3 BR01	BRIDGE REPLACEMENT OF BOX CULVERT ALONG NATIONAL HIGHWAY CARMEN, DAVAO DEL NORTE				
	APPROACH ROAD				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
100 (1)	Clearing and Grubbing	1.45	hectare		
100 (3)a1	Individual Removal of Trees 150 - 300 mm dia. Small	113.00	each		
100 (3)a2	Individual Removal of Trees 301 - 500 mm dia. Small	1.00	each		
101 (6)	Removal of Structures and Obstruction Concrete	3,163.16	cubic meter		
101 (8)	Removal of Existing Guardrails	857.64	linear meter		
101 (9)	Removal of Existing Guardrail Posts	226.00	each		
102 (1)	Unsuitable Excavation	1,214.31	cubic meter		
103 (1)a	Structure Excavation Common Soil	4,564.94	cubic meter		
104 (1)a	Embankment from Roadway/ Structure Excavation Common Soil	1,726.52	cubic meter		
104 (2)a	Embankment from Borrow, Common Soil	2,053.90	cubic meter		
104 (2)a.1	Embankment from Borrow, Common Soil with Uniaxial Geogrid (40 kn/m)	9,929.94	cubic meter		
104 (7)	Gravel Fill	74.64	cubic meter		
105 (1)a	Subgrade Preparation, Common Material	3,618.04	square meter		
Sub-total for Item Part C					
PART D	SUBBASE AND BASE COURSE				
200 (1)	Aggregate Subbase Course	2,654.71	cubic meter		
Sub-total for Item Part D					
PART E	SURFACE COURSES				
300 (2)	Crushed Aggregate Surface Course	25.29	cubic meter		
311 (1)a	Portland Cement Concrete Pavement, (Unreinforced) 0.15m thick, 14 days	1,946.63	square meter		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
311 (1)f1	Portland Cement Concrete Pavement, (Unreinforced) 0.30m thick, 14 days	9,122.90	square meter		
Sub-total for Item Part E					
PART F	BRIDGE CONSTRUCTION				
400 (34)c	Permanent Casing (Micro Piles) 0.30 m	16,952.81	kilogram		
400 (37)c	Micro Piles 0.30 m	1,159.20	meter		
404 (1)a	Reinforcing Steel, Grade 40	23,298.00	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	17,234.00	kilogram		
405 (1)b3	Structural Concrete, 27.58Mpa Class A 28days	561.71	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5Mpa	42.62	cubic meter		
413 (2)	Preformed Cork Joint Expansion	0.18	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
505 (2)a	Grouted Riprap Class A	981.32	cubic meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
603 (3)a1	Metal Guardrail (Metal Beam) including Post, Single, W-Beam	344.02	linear meter		
603 (4)b	Metal Beam End Piece Bull Nose	6.00	each		
611 (1)	Trees (Furnishing and Transplanting)	11,400.00	each		
612 (1)	Reflectorized Thermoplastic Pavement Markings White	194.64	square meter		
Sub-total for Item Part H					
PART I	MATERIALS DETAILS				
715 (2)	Separation Geotextile	13,040.58	square meter		
715 (5).1	Hydraulic Filter (Concrete Mattress)	269.84	square meter		
Sub-total for Item Part I					
STANDARD SPECIFICATION FOR PUBLIC WORKS STRUCTURES, VOLUME III (BUILDINGS, PORTS AND HARBORS, FLOOD CONTROL AND DRAINAGE STRUCTURES, AND WATER SUPPLY SYSTEM)					
DIVISION II	BUILDINGS				
PART E	FINISHING AND OTHER CIVIL WORKS				

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
1046 (1)a2	CHB Load Bearing (including Reinforcing Steel) 150 mm thick	1,804.80	square meter		
Sub-total for Item Part E					
TOTAL for APPROACH ROAD					
	BRIDGE				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
100 (1)	Clearing and Grubbing	0.04	hectare		
103 (5)b	Shoring, cribbing and related works Cribbing/ Cofferdamming	1.00	lump sum		
Sub-total for Item Part C					
PART F	BRIDGE CONSTRUCTION				
	SUPERSTRUCTURE WORKS				
401 (1)a1	Metal Railing Grade 36 Steel	124.00	meter		
401(2)a	Concrete Railing, Standard	212.80	meter		
404(1)a	Reinforcing Steel, Grade 40	11,126.00	kilogram		
404(1)b	Reinforcing Steel, Grade 60	184,941.00	kilogram		
405(1)b3	Structural Concrete, 27.58MPa Class A 28 days	639.21	cubic meter		
405(1)b3.1	Structural Concrete, 27.58MPa Class A 28 days (for PC Girder)	362.88	cubic meter		
405 (6)	Structural Concrete, Painting Works	674.26	square meter		
407 (8)	Lean Concrete, Class B, 16.5MPa	8.52	cubic meter		
412 (1)c1	Elastomeric Bearing Pads (300mm x 400mm x 60mm)	60.00	each		
413 (3)a	Pre-molded Expansion Joint Filler with Sealant, 12mm thick	0.25	cubic meter		
413 (4)e5	Expansion Joint 50mm Gap Compression Seal	46.54	linear meter		
	SUBSTRUCTURE WORKS				
400 (6)	Structural Steel Sheet Piles, Furnished (83.60 kg./m)	1,848.00	meter		
400 (12)	Structural Steel Sheet Piles, Driven	1,760.00	meter		
400 (17)e	Concrete Piles cast in Drilled Holes 1.2m dia.	3,120.00	meter		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
400(23) e1	Permanent Casing, 1.2m dia., 10mm thick	200.00	meter		
400 (26)a	Pile Integrity Testing Crosshole-Sonic	26.00	each		
400 (27)	High Strain Dynamic Testing (P.D.A)	4.00	each		
403 (5)a2	Structural Steel, Furnished, Fabricated, and Erected Grade 50	7,503.00	kilogram		
404 (1)a	Reinforcing Steel, Grade 40	4,016.00	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	118,332.00	kilogram		
405 (1)a3	Structural Concrete, 20.68MPa Class A 28 days	88.13	cubic meter		
405 (1)b3	Structural Concrete, 27.58MPa Class A 28 days	1,000.89	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5MPa	3.99	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
505 (2)a	Grouted Riprap, Class A	62.92	cubic meter		
510 (2)	Concrete, Slope Protection	52.06	cubic meter		
517 (1)a	Drain Pipe, Galvanized	10.80	linear meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
624 (9)e2	Single Arm Solar LED Roadway Lighting, 12m-Pole 200W - 300W	16.00	each		
Sub-total for Item Part H					
TOTAL for BRIDGE					
	FOR DRAINAGE				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART C	EARTHWORK				
103 (1)a	Structure Excavation Common Soil	4,879.44	cubic meter		
103 (6)a	Pipe culverts and drain excavation Common Soil	1,046.03	cubic meter		
104 (7)	Gravel Fill	31.39	cubic meter		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
Sub-total for Item Part C					
PART D	SUBBASE AND BASE COURSE				
200 (1)	Aggregate Subbase Course	2,606.40	cubic meter		
Sub-total for Item Part D					
PART F	BRIDGE CONSTRUCTION				
404 (1)a	Reinforcing Steel, Grade 40	15,463.00	kilogram		
404 (1)b	Reinforcing Steel, Grade 60	17,200.00	kilogram		
405 (1)a3	Structural Concrete, 20.68MPa Class A 28 days	382.76	cubic meter		
405 (1)b3	Structural Concrete, 27.58MPa Class A 28 days	239.02	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5MPa	46.07	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
500 (1)b3	Pipe Culverts 910 mm dia. Class IV RCPC	115.00	linear meter		
500 (1)b4	Pipe Culverts 1070 mm dia. Class IV RCPC	20.00	linear meter		
500 (1)b6	Pipe Culverts 1520 mm dia. Class IV RCPC	17.00	linear meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
613 (2)	Concrete Joint Sealant (Cold-Applied Type)	1,254.56	kilogram		
Sub-total for Item Part H					
PART I	MATERIALS DETAILS				
715 (2)	Separation Geotextile	2,445.89	square meter		
Sub-total for Item Part I					
TOTAL for DRAINAGE					
TOTAL D2-3 BR01					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
D2-6C Br01	D2-6C Br01SLUICE GATE (ELECTROMECHANICAL)				
STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES AND AIRPORTS, VOLUME II					
PART F	BRIDGE CONSTRUCTION				
400 (17)c	Concrete Piles Cast in Drilled Holes 1.00 m dia.	300.00	meter		
400 (23)c1	Permanent Casing 1.00 m dia. 10 mm thick	100.00	meter		
400 (26)a	Pile Integrity Testing Crosshole-Sonic	5.00	each		
400 (26)b	Pile Integrity Testing Low Strain	10.00	each		
400 (27)	High Strain Dynamic Testing (P.D.A)	5.00	each		
400 (34)c	Permanent Casing (Micro Piles) 0.30 m	405,711.25	kilogram		
400 (37)c	Micro Piles 0.30 m	6,975.00	meter		
403 (5)a1	Structural Steel, Furnished, Fabricated, and Erected Grade 36	1,404.05	kilogram		
403 (6)	Structural Steel, Painting Works	40.12	square meter		
404 (1)a	Reinforcing Steel Grade 40	19,158.16	kilogram		
404 (1)b	Reinforcing Steel Grade 60	78,378.98	kilogram		
405 (1)b3	Structural Concrete 27.58 MPa Class A 28 days	946.87	cubic meter		
407 (8)	Lean Concrete, Class B, 16.5 Mpa	57.89	cubic meter		
413 (2)	Preformed Cork Joint Expansion	0.36	cubic meter		
413 (3)a	Premolded Expansion Joint Filler with Sealant 12 mm thick	0.01	cubic meter		
Sub-total for Item Part F					
PART G	DRAINAGE AND SLOPE PROTECTION WORKS				
508 (1)	Hand-Laid Rock Embankment	8.86	cubic meter		
Sub-total for Item Part G					
PART H	MISCELLANEOUS STRUCTURES				
604 (1)	Fencing Barbed Wire	216.00	linear meter		
604 (3)	Fencing Posts	22.00	each		
604 (4)a	Fencing Gates (W4.3m x H 1.65m)	2.00	each		
604 (4)b	Fencing Gates (W0.750m x H 2.0m)	1.00	each		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
624 (1)b2	Single Arm Roadway Lighting, HPS 9m - Pole, 250W - 300W	4.00	each		
624 (5)	Lighting Control Panel	1.00	each		
Sub-total for Item Part H					
STANDARD SPECIFICATION FOR PUBLIC WORKS STRUCTURES, VOLUME III (BUILDINGS, PORTS AND HARBORS, FLOOD CONTROL AND DRAINAGE STRUCTURES, AND WATER SUPPLY SYSTEM)					
DIVISION II	BUILDINGS				
PART E	FINISHING AND OTHER CIVIL WORKS				
1001 (11)	Septic Vault/Tank Concrete/CHB	1.00	lump sum		
1002 (5)b	Water Closet, Elongated, Complete Flush Type	1.00	set		
1002 (14)a	Lavatory, Wall Hung, Complete Manually Operated	1.00	set		
1002 (16)a1	Floor Drain Plates 50 mm dia. Stainless	1.00	set		
1002 (17)	Bidet	1.00	piece		
1006 (6)	Steel Doors and Frames	1.00	lump sum		
1011 (2)	Roll-Up Doors	1.00	lump sum		
1017 (1)c	Roof Drain with Strainer 100 mm dia.	2.00	set		
1032 (1)a	Painting Works Masonry/Concrete	447.52	square meter		
1046 (1)a1	CHB Load Bearing (including Reinforcing Steel) 100 mm thick	30.39	square meter		
1046 (1)a2	CHB Load Bearing (including Reinforcing Steel) 150 mm thick	134.61	square meter		
1046 (3)	Louver Block	5.76	square meter		
1047 (7)	Structural Steel	1.00	lump sum		
1047 (8)b	Structural Steel Purlins	380.16	kilogram		
1051 (5)	Metal Railing	87.42	meter		
Sub-total for Item Part E					
PART F	ELECTRICAL				
1100 (1)c	Rigid Steel Conduit (RSC) 25 mm dia.	150.00	meter		
1100 (1)f	Rigid Steel Conduit (RSC) 50 mm dia.	30.00	meter		
1100 (9)	Fittings and Accessories	1.00	lump sum		
1101 (1)b2	Electric Wire 3.5 mm2 TW/THHN/THWN2 Stranded	5.00	roll		

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
1101 (1)b3	Electric Wire 5.5 mm2 TW/THHN/THWN2 Stranded	3.00	roll		
1101 (2)b4	Electric Wire 8.0 mm2 TW/THHN/THWN2 Stranded	100.00	meter		
1101 (2)b6	Electric Wire 22 mm2 TW/THHN/THWN2 Stranded	150.00	meter		
1101 (2)b8	Electric Wire 38 mm2 TW/THHN/THWN2 Stranded	100.00	meter		
1102 (1)	Panelboard with Main & Branch Breakers	1.00	lump sum		
1102 (5)	Manual Transfer Switch, Breaker Type, Free Standing	1.00	set		
1102 (16)a1.2	Generator set (Silent Type) 230V, 3 Phase, 60 HZ; Stand-by: KVA = 50	1.00	lump sum		
1102 (16)a2.2	Generator set (Silent Type) 230V, 3 Phase, 60 HZ; Continuous: KVA = 50	1.00	lump sum		
1103 (1)	Lighting Fixtures	1.00	lump sum		
1109 (4)h	Bare Copper Wire 30 mm2	50.00	meter		
1109 (6)e	Grounding Rod Copper Clad 20 mm dia. x 3 m	15.00	length		
Sub-total for Item Part F					
PART G	MECHANICAL				
1200 (13)a	Air Conditioning System Package/Split Type	1.00	lump sum		
Sub-total for Item Part G					
DIVISION IV	FLOOD CONTROL, DRAINAGE AND WATER SUPPLY				
PART L	FLOOD AND RIVER CONTROL AND DRAINAGE				
PART L-A	EARTHWORK				
1702 (1)a	Structure Excavation Common Soil	6,859.00	cubic meter		
1704 (4)	Gravel Fill	8.64	cubic meter		
1705 (1)	Fill and Backfill	8,230.80	cubic meter		
Sub-total for Item Part L-A					
PART L-B	BANK AND SLOPE PROTECTION WORKS				
1716 (6)	Structural Steel Sheet Piles, furnished (48.0 kg/m)	192.00	meter		
1716 (12)	Structural Steel Sheet Piles, driven	192.00	meter		
Sub-total for Item Part L-B					

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTALCOST
PART L-C	DRAINAGE WORKS				
1722 (1)a	Fence CHB	73.00	square meter		
1726 (1)	Motor Control Center (MCC); Main CB= 100 AT,3P Branch: 5 - 20 AT,3P 3 - 10 AT,3P; Motor Control(1.5kW-motor) 4 sets; Local Control Panel (LCP), Push (Start/Stop) 4 sets	1.00	lump sum		
1727 (5)c	Hydraulic gate complete with accessories ready for service (4000 mm x 2600mm) (Power Supply Control System, Distribution Panels and UPS for Operation of Four Gate Structure)	4.00	set		
1735 (1)	Stop Logs System	4.00	set		
Sub-total for Item Part L-C					
TOTAL FOR SLUICE GATES (D2-6C Br01)					

Summary of Bill of Quantities

PAY ITEM	DESCRIPTION	TOTAL COST (PHP)
TOTAL FOR GENERAL REQUIREMENTS		
TOTAL FOR D1-4:	BANK PROTECTION WORKS, CHANNEL WIDENING ALONG TUGANAY RIVER CONST. OF TUGANAY CUT-OFF CHANNEL CARMEN, DAVAO DEL NORTE	
TOTAL FOR D1-5:	BANK PROTECTION WORKS AND CHANNEL WIDENING ALONG LAAN RIVER CARMEN, DAVAO DEL NORTE	
TOTAL FOR D2-6B BR01:	CONSTRUCTION OF NEW 6-LANE BRIDGE AT NATIONAL HIGHWAY CARMEN, DAVAO DEL NORTE	
TOTAL FOR D2-6C BR01:	CONSTRUCTION OF NEW 6-LANE BRIDGE AT NATIONAL HIGHWAY CARMEN, DAVAO DEL NORTE	
TOTAL FOR D2-3 BR01:	BRIDGE REPLACEMENT OF BOX CULVERT ALONG NATIONAL HIGHWAY CARMEN, DAVAO DEL NORTE	
TOTAL FOR D2-6C BR01:	D2-6C Br01SLUICE GATE (ELECTROMECHANICAL)	
TOTAL AMOUNT IN WORDS:		

_____		PESOS
AND _____		CENTAVOS
READ AND ACCEPTED AND GOOD FOR AGREEMENT		
Date: _____		
Signature: _____		
In the capacity as: _____		
Duly authorized to sign Bids in behalf of: _____		