

Republic of the Philippines  
**DEPARTMENT OF AGRICULTURE**  
Regional Field Unit No. 5  
San Agustín, Pili, Camarines Sur

Project Title: Construction of Buraburan Diversion Dam  
Project Location: Brgy. Buraburan, Juban, Sorsogon  
Appropriation: P. 4, 999, 000. 25  
Source of fund: Rice 2022  
Subject: BILL OF QUANTITIES AND COST PROPOSAL

Classification: Irrigation Facility  
Number of Unit: 1  
Net Length:  
Project Duration: 120 C.D.  
Starting Date: upon receipt of NTP

Scope of Work: -Delivery of Labor and Materials for the Construction of Dam, Slope Protection,  
Concrete Canal Lining and Canal Structure  
-Provision of Water Diversion and Care of Creek  
-Installation of Rectangular Steel Gate (Dam and Outlet)

**MINIMUM EQUIPMENT REQUIREMENT**

Description	No.	Description
Dump Truck	1	3-5 m <sup>3</sup>
Water Pump	1	4" Diameter
Welding Machine	1	200 Amp, Gas Driven
Concrete Mixer	1	1 Bagger
Electric Bar Cutter	1	12" Diameter Disc
Hand Tools	enough	

**TECHNICAL PERSONNEL REQUIRED**

Description	No.	Description
Foreman	1	
Asst. Foreman	1	
Safety Officer	1	Part Time

**COST OF PROPOSED WORK**

Item	Description	Quantity	Unit	Unit Cost (PhP)	Total Amount (PhP)
<b>General Requirements</b>					
1.0	SPL2 Construction of Camp, Temporary Facilities & Movement of Equipment	1	L.S.		
2.0	SPL3 Billboard/Marker	1	L.S.		
3.0	SPL4 Construction Safety and Health		L.S.		
4.0	SPL5 Temporary Diversion of Water Way	1	L.S.		
<b>Sub-total</b>					
<b>5.0 Dam</b>					
	102(2)a Common Excavation (Dam)	90.00	cu.m.		
	515(3) Structural Backfill/backfilling	50.00	cu.m.		
	900(1)a Concrete Class "A" With Forms	14.00	cu.m.		
	900(1)b Concrete Class "A" Without Forms	29.00	cu.m.		
	404(1)a Reinforcing Steel Bars	2797.00	kgs		
	200(1) Aggregate Sub-Base Course	8.00	cu.m.		
	1711(1)a Rubble Masonry	29.00	cu.m.		
	1710(1)b Grouted Riprap	2.00	cu.m.		
	401(1)a2 2" Ø G.I. Pipe Railings	1.00	set		
	1727(5)a Fabricated Steel Gate (Outlet)	1.00	set		
	1727(5)b Fabricated Steel Gate (Spill Way)	1.00	set		
<b>Sub-total</b>					
<b>6.0 Canal Works (m) 1257 "l.m.</b>					
	102(2)b Common Excavation	250.00	cu.m.		
	515(3) Structural Backfill/backfilling	118.00	cu.m.		
	900(2)a Concrete Class "B" With Forms	135.00	cu.m.		
	900(2)b Concrete Class "B" Without Forms	100.50	cu.m.		
	404(1)a Reinforcing Steel Bars	10119.00	kgs		
	200(1) Aggregate Sub Base Course	100.50	cu.m.		
	1710(1)b Grouted Riprap	3.00	cu.m.		
<b>Sub-total</b>					
<b>7.0 End Check 3 "unit</b>					
	102(2)b Common Excavation	1.50	cu.m.		
	515(3) Structural Backfill/backfilling	0.75	cu.m.		
	900(2)a Concrete Class "B" With Forms	1.50	cu.m.		
	404(1)a Reinforcing Steel Bars	18.00	kgs		
	200(1) Aggregate Sub Base Course	0.30	cu.m.		
	SPL1 Wooden Flush Board (Yakal)	3.00	bd.ft		
<b>Sub-total</b>					

<b>8.0</b>	<b>Division Box</b>	<b>1 "unit</b>			
	102(2)b	Common Excavation	1.20	cu.m.	
	515(3)	Structural Backfill/backfilling	0.40	cu.m.	
	900(2)a	Concrete Class "B" With Forms	0.35	cu.m.	
	900(2)b	Concrete Class "B" Without Forms	0.20	kgs	
	404(1)a	Reinforcing Steel Bars	15.00	cu.m.	
	200(1)	AggregateSub Base Course	0.23	cu.m.	
	SPL1	Wooden Flush Board (Yakal)	3.00	bd.ft	
					<b>Sub-total</b>
<b>9.0</b>	<b>Tractor Crossing</b>	<b>6 "units</b>			
	102(2)b	Common Excavation	1.80	cu.m.	
	515(3)	Structural Backfill/backfilling	0.90	cu.m.	
	900(2)a	Concrete Class "B" With Forms	1.50	cu.m.	
	900(2)b	Concrete Class "B" Without Forms	1.80	cu.m.	
	404(1)a	Reinforcing Steel Bars	72.00	kgs	
	200(1)	AggregateSub Base Course	0.60	cu.m.	
					<b>Sub-Total</b>
<b>10.0</b>	<b>Turn-out</b>	<b>5 "units</b>			
	102(2)b	Common Excavation	1.25	cu.m.	
	515(3)	Structural Backfill/backfilling	0.63	cu.m.	
	900(2)a	Concrete Class "B" With Forms	1.25	cu.m.	
	404(1)a	Reinforcing Steel Bars	60.00	kgs	
	200(1)	AggregateSub Base Course	0.50	cu.m.	
	SPL1	Wooden Flush Board (Yakal)	5.00	bd.ft	
					<b>Sub-Total</b>
<b>TOTAL PROJECT COST</b>					~

Note: All taxes, contractor's profit and hauling cost are included in unit cost per item.

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NAME AND SIGNATURE OF BIDDER