



NATIONAL IRRIGATION ADMINISTRATION
SUMMARY OF CY 2019 PROGRAM OF WORK

Annex "E"
MC No. 69, s. 2018

REGION / PMO : IV-A / Laguna-Rizal Management Office Program No. :
 PROJECT TITLE : EEEIS CIS CY 2019 Date : 24-Oct-18
 NAME OF SYSTEM / PROJECT : KAY BULUTONG COMMUNAL IRRIGATION SYSTEM
 SYSTEMS CATEGORY :
 (NIS/CIS, NIS RIP) : Communal Irrigation System
 PROJECT DESCRIPTION : Procurement, Delivery & Installation of 2pcs. 8"Ø 17Hp Centrifugal Pump and Construction of Pump House & Canal System

I. GENERAL INFORMATION

1. Project Location		6. Overall Project Cost (P)		Original	Revised
a. Region	IV-A	a. GOP	4,000,000.00		
b. Province /	Rizal	b. Loan proceeds			
City / Municipality	Morong	c. Others (Equity, etc.)			
District	II	TOTAL	4,000,000.00		
2. Service Area /		7. Physical Target (Overall)			
Designed area (ha.)	10.0 has. (New), 19.6 has. (Rehab)	a. New Area (Ha)	10.0 has. (New), 19.6 has. (Rehab)		
Area For Generation		b. Restored Area (Ha)			
3. Source of Water		c. Repair Works (specific for rehab)			
3.a Drainage Area		c.1 Earth Canal (km)			
3.b Dependable Flow	✓	c.2 Lined canal (km)		0.20	✓
4. Type of Irrigation		c.3 Structures(units) (PUMP HOUSE)			2.00
(Pls check the type of Irrigation)		c.4 Coconet Slope Prot.(sqm)			
a. Run off the Creek (Source 1)	X	c.5 Concrete Service Roads(km)			
b. Run off the Creek (Source 2)	X	c.6 Earth/gravel Roads (km)			
c. Solar Power Pump		c.7 Rehab area Ha (attribution)			
d. Others		8. Overall Implementation Schedule		Original	Revised
5. PT of Diversion		a. Physical Starting Date	January, 2019		
Latitude		b. Competition Date	May, 2019		
Longitude					

PROCUREMENT OF 2 UNITS OF 8"Ø 17 HP CENTRIFUGAL PUMP.

II. WORK TO BE DONE (For the current year)

1. Performance Weight		4. Physical Target	
a. CONTRACT WORKS	94.43%	a. New Area (Ha)	10.0 has. (New), 19.6 has. (Rehab)
b. FORCE ACCOUNT WORKS		b. Restored Area (Ha)	
b-1) Construction Survey	0.85%	c. Repair Works (specific for rehab)	
b-2) IDP	1.89%	c.1 Earth Canal (km)	
c. FSSM	2.83%	c.2 Lined canal (km)	0.20
d. GESA	0.00%	c.3 Structures(units)	2.00
e. Management Fee	0.00%	c.4 Coconet Slope Prot.(sqm)	
TOTAL	100.00%	c.5 Concrete Service Roads(km)	
2. Starting Date: January, 2019		c.6 Earth/gravel Roads (km)	
3. No. of days to Complete: 150 Days		c.7 Rehab area Ha (attribution)	

III. BREAKDOWN OF CURRENT YEAR PROGRAM

	Field Office	Central Office	Total
A. DIRECT COST			
I. CONTRACT WORKS			
1. CIVIL WORKS	3,777,216.65		3,777,216.65
II. FORCE ACCOUNT WORKS			
1. IDP	75,544.33		75,544.33
2. CONSTRUCTION SURVEY	33,922.52		33,922.52
III. FIELD SUPPORT, SUPERVISION & MONITORING	113,316.50		113,316.50
IV. PROCUREMENT OF EQUIPMENT & VEHICLES (for FAP'S)			
V. RIGHT OF WAY ACQUISITION/ DAMAGES			
VI. CONSULTING SERVICES			
VII. TAXES (For selected FAPs)			
VIII. CONTINGENCIES			
10. CONTINGENCIES			
SUB-TOTAL (A) DIRECT COST	4,000,000.00		4,000,000.00
B. INDIRECT COST			
I. GESA			-
II. MANAGEMENT FEE			-
SUB-TOTAL (B) INDIRECT COST			-
GRAND TOTAL (A+B)	4,000,000.00		4,000,000.00

PREPARED / SUBMITTED BY:
LOUIE JAY P. SAN JUAN
Engineering Assistant A

CHECKED / RECOMMENDING APPROVAL BY:
ARMANDO L. FLORES
Engineer A

APPROVED BY:
CHARLIE D. IBARROLA
Division Manager

NOTED BY:
ROMEO M. LOPEZ
Acting Regional Manager

IV. SOURCES OF FUNDS

A. CAPITAL OUTLAY			
1. GOP			
2. LOAN PROCESS			

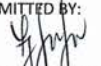
NOTED BY:
DELSY J. REVELLAME
Acting Manager, Operation Department

SUMMARY OF ACTIVITIES
KAY BULUTONG COMMUNAL IRRIGATION SYSTEM
 Procurement, Delivery & Installation of 2pcs. 8"Ø 17Hp Centrifugal Pump and Construction of Pump House & Canal System
 Under EEEIS CIS CY 2019
 Morong, Rizal


"Attachment F"

ACTIVITY	CANAL	STATION		Length (m.)	Location	Pump House w/ Accessories (l.s.)	Procurement, Delivery & Installation of 8" Ø w/ 17HP Centrifugal Pump - 900GPM, 44 Ft. TDH w/ Accessories (l.s.)	Class "B" Concrete - Flooring (cu.m.)	Class "B" Concrete - Wall & TB (cu.m.)	Class "A" Concrete - Ordinary (cu.m.)	Manual Excavation (cu.m.)	Manual Backfill w/ Compaction (Side Borrow) (cu.m.)	Manual Backfill w/ Compaction (Haul Borrow) (cu.m.)
		FROM	TO										
CIVIL WORKS													
1. Proposed Pump House 1 & 2					Morong, Rizal	2.0							
2. Pump & Engine w/ Accessories							2.0						
3. Proposed Concrete Lining	MC	0+303.20	0+334.20	31.00				2.60	4.37		2.51	2.51	2.99
4. Proposed Concrete Lining w/ Column Footing	MC	0+334.20	0+470.00	135.80						34.86	7.02	4.24	
5. Proposed Concrete Lining	MC	0+470.00	0+500.00	30.00				2.57	4.07		3.25	3.25	3.35
TOTAL				196.80		2.00	2.00	5.17	8.44	34.86	12.78	10.00	6.34

PREPARED / SUBMITTED BY:


LOUIE JAY P. SAN JUAN
 Engineering Assistant A

CHECKED / RECOMMENDING APPROVAL BY:


ARMANDO L. FLORES
 Engineer A

APPROVED BY:


CHARLES D. IBARROLA
 Division Manager

DETAILED BREAKDOWN
KAY BULUTONG COMMUNAL IRRIGATION SYSTEM
 Procurement, Delivery & Installation of 2pcs. 8"Ø 17Hp Centrifugal Pump and Construction of Pump House & Canal System
 Under EEEIS CIS CY 2019
 Morong, Rizal

ATTACHMENT "D"

ACTIVITY	Unit	WORK TO BE DONE								TOTAL	
		Quantity	Estimated Direct Cost		Indirect Cost			Total	Unit Cost	Project Cost	
			Unit Cost	Total EDC	OCM	Profit	Vat				
A. DIRECT COST											
I. CIVIL WORKS											
1. Pump House w/ Accessories	l.s.	2.00	361,673.43	723,346.86	54,251.01	36,167.34	22,604.59	113,022.94	474,696.37	949,392.74	
2. Pump & Engine w/ Accessories	l.s.	2.00	1,038,057.79						1,038,057.79	2,076,115.58	
3. Class "B" Concrete - Flooring	cu.m.	5.17	9,320.21	48,185.49	1,398.03	932.02	582.51	2,912.56	12,232.77	63,243.42	
4. Class "B" Concrete - Wall & TB	cu.m.	8.44	11,686.16	98,631.19	1,752.92	1,168.62	730.39	3,651.93	15,338.09	129,453.48	
5. Class "A" Concrete - Ordinary	cu.m.	34.86	11,834.95	412,566.36	1,775.24	1,183.50	739.68	3,698.42	15,533.37	541,493.28	
6. Manual Excavation	cu.m.	12.78	137.60	1,756.53	20.64	13.76	8.60	43.00	180.60	2,308.07	
7. Manual Backfill w/ Compaction (Side Borrow)	cu.m.	10.00	183.47	1,634.70	27.52	18.35	11.47	57.34	240.81	2,408.10	
8. Manual Backfill w/ Compaction (Haul Borrow)	cu.m.	6.34	1,538.47	9,753.90	230.77	153.85	96.15	480.77	2,019.24	12,801.98	
SUB-TOTAL 1										3,777,216.65	
Total CONTRACT WORKS										3,777,216.65	
II. FORCE ACCOUNT WORKS											
1. Civil Works (Breakdown of Activities)											
2. Institutional Development Program	L.S.	1.00	75,544.33	75,544.33					75,544.33	75,544.33	
3. Construction Survey (with support doc.) Parcelly Survey (with support doc.)	L.S.	1.00	33,922.52	33,922.52					33,922.52	33,922.52	
Total FORCE ACCOUNT WORKS				109,466.85						109,466.85	
III. RIGHT OF WAY ACQUISITION/DAMAGES											
1. Land Acquisition											
2. Plant Damages											
3. Property Damages											
IV. PROCUREMENT OF EQUIPMENT & VEHICLES											
V. FIELD SUPPORT, SUPERVISION & MONITORING	L.S.	1.00	113,316.50	113,316.50					113,316.50	113,316.50	
VI. CONSULTING SERVICES											
VII. TAXES											
VII. TAXES											
VIII. CONTINGENCIES											
1. Physical Contingency											
2. Financial Contingency											
TOTAL DIRECT COST										4,000,000.00	