



Republika ng Pilipinas
National Irrigation Administration
 (PAMBANSANG PANGASIWAAN NG PATUBIG)
 Lungsod ng Batangas

SUMMARY OF CY 2019 PROGRAM OF WORK (POW)

Attachment "A"

REGION/PMO : <u>Region IV-A / Cavite Batangas IMO</u>	Program No. : <u>1</u>
PROJECT TITLE : <u>RRECIS</u>	Date: <u>August 2, 2018</u>
NAME OF SYSTEM/PROJECT : <u>BANADERO CIS (II)</u>	
SYSTEM CATEGORY (NIS/CIS, NIP/SIP) : <u>CIS</u>	
PROJECT DESCRIPTION : <u>Construction of Protection Works</u>	

I GENERAL INFORMATION		Original	Revised
1. Project Location			
a. Region	<u>IV- A</u>		
b. Province/ City / Municipality	<u>Batangas Tanauan City</u>		
District	<u>3</u>		
2. Service area/ Designed area (Ha.)	<u>10 CDR 10/1/18</u>		
3. Source of Water			
3. a. Drainage Area			
3. b. Dependable Flow			
4. Type of Irrigation			
a. Run off the River			
b. Reservoir			
c. Ground Water Pump			
d. Others (surface pump)			
5. PT of Diversion			
Latitude			
Longitude			
6. Overall Project Cost (P)			
a. GOP			
b. Loan Proceeds			
c. Others (Equity, etc.)			
TOTAL			
7. Physical Target (Overall)			
a. New Area (Ha.)			
b. Restored Area (Ha.)			
c. Repair works (Ha.) (specific for rehab.)		<u>10</u>	
d. Other Activities: (pls. specify)			
8. Overall Implementation Schedule			
a. Physical Starting Date		<u>January 2019</u>	
b. Completion Date		<u>April 2019</u>	

II WORK TO BE DONE (OVERALL Program)		Original	Revised
1. Performance Weight			
a. Contract Works (Civil Works)	<u>94.50%</u>		
b. Force Account Works	<u>5.50%</u>		
c. Others			
TOTAL	<u>100%</u>		
2. Starting Date:	<u>January 2019</u>		
3. No. of days to Complete	<u>120 days</u>		
4. Physical Target			
a. New Area (Ha.)			
b. Restored Area (Ha.)			
c. Repair works (specific for rehab.)			
d. Other Activities: (Pls. specify)			

III BREAKDOWN OF CURRENT YEAR PROGRAM				Prepared by:
	Field Office	Central Office	Total	
DIRECT COST				MARIVIC R. DINGLASAN Engineer A
I. CIVIL WORKS				Checked by: EDWIN C. NAZARENO Sr. Engineer
a. Contract Works	<u>4,725,000.00</u>		<u>4,725,000.00</u>	Approved by: CHARLIE D. IBAROLA Division Manager - A
b. Force Account Works				Noted by: ROMEO M. LOPEZ Acting Regional Manager CDR-RMA GLH-A
2. INSTITUTIONAL DEV'T PROGRAM	<u>75,000.00</u>		<u>75,000.00</u>	
3. CONSTRUCTION SURVEY	<u>50,000.00</u>		<u>50,000.00</u>	
4. PARCELLARY MAPPING/ SURVEY				
5. RIGHT OF WAY ACQUISITION PLANT/PROPERTY DAMAGES				
6. PROCUREMENT OF EQUIPMENT & VEHICLES				
7. FIELD SUPPORT, SUPERVISION & MONITORING	<u>150,000.00</u>		<u>150,000.00</u>	
8. CONSULTING SERVICES				
9. TAXES (For selected FAPs)				
10. CONTINGENCIES				

TOTAL DIRECT COST	<u>5,000,000.00</u>	<u>5,000,000.00</u>
SAY	<u>5,000,000.00</u>	<u>5,000,000.00</u>

IV. SOURCES OF FUNDS		Original	Revised
A. CAPITAL OUTLAY			
1. GOP			
2. Loan Proceeds			

DELSY J. REVELLAME
Acting Manager, Operation Department

PROJECT COST AND QUANTITIES DETAILED BREAKDOWN
CURRENT YEAR 20179 / OVERALL PROGRAM OF WORK
BANADERO CIS, Tanauan City, Batangas

Attachment D

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	ESTIMATED DIRECT COST		INDIRECT COST				TOTAL	
				UNIT COST	TOTAL EDC	OCM	PROFIT	VAT	TOTAL	UNIT COST	PROJECT COST
A.	Direct Cost										
	1. Civil Works										
	1. Contract Works										
	PROTECTION WORKS										
	1. Class "A" Concrete (Ordinary)	cum	2.00	10,293.36	20,586.72	1,544.00	1,029.34	643.35	3,216.69	13,510.05	27,020.10
	2. Grouted Riprap	cum	758.40	4,419.95	3,352,090.08	662.99	442.00	276.26	1,381.25	5,801.20	4,399,630.08
	3. Cofferdaming	cum	355.50	162.41	57,736.76	24.36	16.24	10.14	50.74	213.15	75,774.83
	4. Dewatering Foundation	cum	395.00	93.20	36,814.00	13.98	9.32	5.85	29.15	122.35	48,328.25
	5. Structure Excavation	cum	416.98	186.50	77,766.01	27.98	18.65	11.67	58.30	244.80	102,075.70
	6. Structure Backfill w/ Compaction	cum	126.40	198.93	25,144.75	29.84	19.89	12.44	62.17	261.10	33,003.04
	7. Desilting of Dam	cum	120.00	248.67	29,840.40	37.30	24.87	15.56	77.73	326.40	39,168.00
	TOTAL										4,725,000.00
	TOTAL										
	2. Force Account Works										
	TOTAL CIVIL WORKS										
	2. Institutional Development Program	ls	1.00	75,000.00							75,000.00
	3. Construction Survey	ls	1.00	50,000.00							50,000.00
	4. Field Support, Supervision & Monitoring	ls	1.00	150,000.00							150,000.00
B.	INDIRECT COST										275,000.00
	Contingency										
	TOTAL										275,000.00
	GRAND TOTAL										5,000,000.00

MASTER LIST OF ITEMS OF WORK

Name of Structures	Name of Canal	STATIONING		Particular Items of Work						
		FROM	TO	Class "A" Concrete Ordinary	Desilting of Dam	Grouted Riprap	Cofferdam ming	Dewatering of Foundation	Structure Excavation	Structure Backfill w/ Comp.
Diversion Works	<i>UPSTREAM</i>				120.00					
Protection Works	U/S LS1	0+000	0+079	0.50		189.60	177.75	197.50	108.64	31.60
	U/S RS1	0+000	0+079	0.50		189.60			102.94	31.60
	U/S RS2	0+000	0+079	0.50		189.60	177.75	197.50	102.70	31.60
	U/S LS2	0+000	0+079	0.5		189.60			102.70	31.60
				2.00	120.00	758.40	355.50	395.00	416.98	126.40
Unit cost				13,510.05	326.40	5,801.20	213.15	122.35	244.80	261.10
Estimated Cost				27,020.10	39,168.00	4,399,630.08	75,774.83	48,328.25	102,075.70	33,003.04
	Total	4,725,000.00								