



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

Annex "B"

SUMMARY OF CY 2019 PROGRAM OF WORK (POW)

Attachment "A"

REGION/PMO	: Region IV-A / Quezon IMO	Program No. :	: <u>1</u>
PROJECT TITLE :	: CIS Extension	Date:	: <u>Jan-19</u>
NAME OF SYSTEM/PROJECT	: <u>KAMAGONG PIP</u>		
SYSTEM CATEGORY (NIS/CIS,NIP/SIP)	: <u>PIP</u>		
PROJECT DESCRIPTION	: <u>Canal Structures and Pump Works</u>		

I GENERAL INFORMATION				
1. Project Location		6. Overall Project Cost (P)	Original	Revised
a. Region	<u>IV- A</u>	a. GOP		
b. Province/	<u>Quezon</u>	b. Loan Proceeds		
City / Municipality	<u>Alabat</u>	c. Others (Equity,etc.)		
District	<u>IV</u>	TOTAL		
2. Service area/	<u>20 has</u>			
Designed area (Ha.)		7. Physical Target (Overall)		
3. Source of Water	<u>Camagong River</u>	a. New Area (Ha.)	<u>20 has.</u>	
3. a. Drainage Area		b. Restored Area (Ha.)		
3. b. Dependable Flow		c. Repair works (Ha.) (specific for rehab.)		
		d. Other Activities: (pls. specify)		
4. Type of Irrigation		5. PT of Diversion	Original	Revised
	Latitude	Longitude		
a. Run off the River				
b. Reservoir				
c. Ground Water Pump				
d. Others (surface pump)				
		8. Overall Implementation Schedule		
		a. Physical Starting Date	<u>Feb-19</u>	
		b. Completion Date	<u>May-19</u>	

II WORK TO BE DONE (OVERALL Program)			
1. Performance Weight		4. Physical Target	
a. Contract Works (Civil Works)	<u>94.62%</u>	a. New Area (Ha.)	<u>20 has.</u>
b. Force Account Works	<u>0.00%</u>	b. Restored Area (Ha.)	
c. Others	<u>5.38%</u>	c. Repair works (specific for rehab.)	
TOTAL	<u>100%</u>	d. Other Activities: (Pls. specify)	
2. Starting Date:	<u>upon release of fund</u>		
3. No. of days to Complete	<u>120 days</u>		

III BREAKDOWN OF CURRENT YEAR PROGRAM				Prepared by:
	Field Office	Central Office	Total	 ELENAS VILLENA Engineer A
DIRECT COST				
I. CIVIL WORKS				Checked / Reviewed by:
a. Contract Works	<u>4,730,952.01</u>		<u>4,730,952.01</u>	
b. Force Account Works				Approved by:
2. INSTITUTIONAL DEV'T PROGRAM	<u>75,000.00</u>		<u>75,000.00</u>	
3. CONSTRUCTION SURVEY	<u>44,047.99</u>		<u>44,047.99</u>	Noted by:
4. PARCELLARY MAPPING/ SURVEY				
5. RIGHT OF WAY ACQUISITION PLANT/PROPERTY DAMAGES				DREG
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>	
IV. SOURCES OF FUNDS				
A. CAPITAL OUTLAY				
1. GOP				
2. Loan Proceeds				

**PROJECT COST AND QUANTITIES DETAILED BREAKDOWN
CURRENT YEAR 2019 / OVERALL PROGRAM OF WORK
KAMAGONG PIP/ ALABAT QUEZON**

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
	Direct Cost										
	1. Civil Works										
	I. PUMP WORKS										
	1 320W PV Solar Panel 1500W (2HP) - Supply, Delivery & Installation of Solar Pump System and it's Accessories (4 units)	l.s.	4.00	663,260.00	2,653,040.00	32,019.00	21,346.00	13,341.25	66,706.25	729,966.25	2,919,865.00
	2 24" DIA RCP PIPE	pcs	4.00	5,601.92	22,407.68	840.79	2,346.77	138.64	326.12	5,028.04	22,752.16
										SUBTOTAL	2,943,617.16
	II. CANAL STRUCTURES										
	1 CLASS "A" CONCRETE ORDINARY	cu.m.	29.71	13,796.12	409,882.66	2,069.42	1,379.61	862.26	4,311.29	18,107.41	537,971.15
	2 PROC., DEL., AND INSTALLATION OF 2" HDPE & ACCESSORIES (DISCHARGE PIPE) (SDR11 PE100)	l.s.	1.00	120,123.40	120,123.40	18,018.51	12,012.34	7,507.71	37,538.56	157,661.96	157,661.96
	3 PROC., DEL., AND INSTALLATION OF 4" HDPE & ACCESSORIES (DISCHARGE PIPE) (SDR11 PE100)	l.s.	1.00	756,234.70	756,234.70	113,435.20	75,623.47	47,264.67	236,323.34	992,558.04	992,558.04
	4 STR. EXCAVATION (MAN)	cu.m.	59.00	163.50	9,646.50	24.53	16.35	10.22	51.10	214.60	12,661.40
	5 STR. BACKFILL (MAN)	cu.m.	44.00	109.00	4,796.00	16.35	10.90	6.81	34.06	143.06	6,294.64
	6 SAND BEDDING	cu.m.	21.00	2,909.30	61,095.30	436.40	290.93	181.83	909.16	3,818.46	80,187.66
										SUBTOTAL	1,787,334.85
	TOTAL CIVIL WORKS				4,037,226.24						4,730,952.01
	2. Institutional Development Program	l.s.	1.00	75,000.00							75,000.00
	TOTAL										
	3. Construction Survey	l.s.	1.00	44,047.99							44,047.99
	TOTAL										
	5. Field Support, Supervision & Monitoring	l.s.	1.00	150,000.00							150,000.00
	TOTAL										
	GRAND TOTAL				4,037,226.24						5,000,000.00

**MASTERLIST OF ITEMS OF WORK
KAMAGONG PIP/ ALABAT, QUEZON**

PARTICULAR ITEM OF WORKS					
NAME OF STRUCTURES	NAME OF CANAL	STATION		Instalation, Procurement and Delivery of PV Solar System 320w PV solar "JA/Japan Solar" Brand- poly. 1500W (2hp) Direct PV solar Water Pump System, 3" Dia.	24" DIA. RCP PIPE
		FROM	TO		
I. Pump Works					
1 PROP. PUMP WORKS	MC-1			1.00	pcs
2 PROP. PUMP WORKS	MC-2			1.00	
4 PROP. PUMP WORKS	SFD-3			1.00	
5 PROP. WELL IMPROVEMENT	SFD-3				4.00
6 PROP. PUMP WORKS	SFD-4			1.00	
			total	4.00	4.00

NAME OF STRUCTURES	NAME OF CANAL	STATION		Length m	FORM IN CONCRETE ORDINARY cu.m	PROC DEL AND	PROC DEL AND	CYR. EXCAVATION (MAN) cu.m	STR. BACKFILL (MAN) cu.m	SAND BEDDING cu.m
		INSTALLATION OF 2" HDPE & ACCESSORIES (DISCHARGE PIPE) (SDR11 PE100) ls	INSTALLATION OF 2" HDPE & ACCESSORIES (DISCHARGE PIPE) (SDR11 PE100) ls							
II. Canal Structures										
1 Prop. Pipe Lining	MC-1	0+000.00	0+250.00	250.00				7.00	4.00	5.00
2 Prop. Pipe Lining	MC-2	0+000.00	0+500.00	500.00				35.00	20.00	10.00
5 Prop. Pipe Lining	SFD-3	0+000.00	0+100.00	100.00				7.00	10.00	2.00
6 Prop. Pipe Lining	SFD-4	0+000.00	0+200.00	200.00				10.00	10.00	4.00
7 Prop. Stilling pool	MC-1				2.35					
8 Prop. Water Tank	MC-2				22.44					
9 Prop. Stilling pool	MC-2				2.35					
10 Prop. Stilling pool	MC-2				2.35					
11 Prop. Valve Box	MC-2				0.22					
	TOTAL				29.71	ls	ls	59.00	44.00	21.00