



SUMMARY OF CY 2019 PROGRAM OF WORK (POW)

REGION / PMO	:		Program No. :	
PROJECT TITLE	:	RRECIS CY2019	Date :	November 7, 2018
NAME OF SYSTEM / PROJECT	:	SALANG BATO COMMUNAL IRRIGATION SYSTEM		
SYSTEMS CATEGORY (NIS/CIS, NIP/SIP)	:	CIS		
PROJECT DESCRIPTION	:	PROPOSED CONCRETE CANAL LINING		

I. GENERAL INFORMATION

1. Project Location		6. Overall Project Cost (P)	Original	Revised
a. Region	IV - A	a. GOP	5,000,000.00	
b. Province / City / Municipality	RIZAL / BARAS, RIZAL	b. Loan Proceeds		
District	II	c. Others (equity, etc.)		
2. Service area / Designed area (Ha.)	44.29	TOTAL	5,000,000.00	
3. Source of Water		7. Physical Target (Overall)		
3.a Drainage Area		a. New Area (Ha.)		
3.b Dependable Flow	River / Dam	b. Restored Area (ha.)		
4. Type of Irrigation (Pls check the type of irrigation)		c. Repair Works : (specific for rehab.)		
a. Run off the River		c.1 Earth Canal (km.)		
b. Reservoir	x	c.2 Lined Canal (km.)		1.14
c. Ground Water Pump		c.3 Structures (units)		3.0
d. Others		c.4 Coconet Slope Protection (Sqm.)		
		c.5 Concrete Service Roads (km.)		
		c.6 Earth/gravel Roads (km.)		
		c.7 Other repair works: (Pls. Specify)		
		c.8 Rehab. Area Ha. (Attribution)		20
5. PT of Diversion		d. Other Activities: (Pls. specify)		
Latitude		8. Overall Implementation Schedule	Original	Revised
Longitude		a. Physical Starting Date	January, 2019	
		b. Completion Date	April, 2019	

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

1. Performance Weight		4. Physical Target (Overall)		
a. Contract Works	94.75%	a. New Area (Ha.)		
b. Force Account Works		b. Restored Area (ha.)		
b.1 IDP	2.00%	c. Repair Works : (specific for rehab.)		
b.2 Construction Survey	0.25%	c.1 Earth Canal (km.)		1.14
c. Others	3.0%	c.2 Lined Canal (km.)		3.0
TOTAL	100.00%	c.3 Structures (units)		
2. Starting Date:	January, 2019	c.4 Coconet Slope Protection (Sqm.)		
3. No. of days to Complete:	120 days	c.5 Concrete Service Roads (km.)		
		c.6 Earth/gravel Roads (km.)		
		c.7 Other repair works: (Pls. Specify)		
		c.8 Rehab. Area Ha. (Attribution)		
		d. Other Activities: (Pls. specify)		

III. BREAKDOWN OF CURRENT YEAR PROGRAM

	Field Office	Central Office	Total	Prepared by:
DIRECT COST				
1. CIVIL WORKS				SOJIE M. GOMEZ Engineer A
a. Contract Works	4,737,653.28		4,737,653.28	Checked/Recommending Approval
b. Force Account Works			-	ARMANDO L. FLORES Sr. Engineer A
2. INSTITUTIONAL DEVT. PROGRAM	100,000.00		100,000.00	
3. CONSTRUCTION SURVEY	12,346.72		12,346.72	
4. PARCELLARY MAPPING/SURVEY			-	
5. RIGHT OF WAY ACQUISITION, PLANT/ PROPERTY DAMAGES			-	
6. PROCUREMENT OF EQUIPMENT & VEHICLES			-	Approved by:
7. FIELD SUPPORT, SUPERVISION & MONITORING	150,000.00		150,000.00	CHARLIE D. IBARROLA Division Manager
8. CONSULTING SERVICES			-	NOTED BY:
9. TAXES (For selected FAPs)			-	ROMEO M. LOPEZ Acting Regional Manager
10. CONTIGENCIES			-	
TOTAL DIRECT COST	5,000,000.00		5,000,000.00	
	say		5,000,000.00	

IV. SOURCE OF FUNDS

A. CAPITAL OUTLAY		Noted by:	DELSY J. REVELLAME Acting Manager, Operation Department
1. GOP			
2. LOAN PROCEEDS			

DETAILED BREAKDOWN
PROPOSED CONCRETE CANAL LINING
 Under - RRR CIS CY 2019
 Morong, Rizal

ATTACHMENT "D"

ACTIVITY	Unit	WORK TO BE DONE								
		Quantity	Estimated Direct Cost		Indirect Cost				TOTAL	
			Unit Cost	Total EDC	OCM	Profit	Vat	Total	Unit Cost	Project Cost
A. DIRECT COST										
I. CIVIL WORKS										
Proposed Concrete Lining										
a. Concrete Demolition	cu.m	19.78	634.00	12,540.52	95.10	63.40	39.63	198.13	832.13	16,459.53
b. Class "A" Concrete Flooring	cu.m	0.11	11,186.41	1,230.51	1,677.96	1,118.64	699.15	3,495.75	14,682.16	1,615.04
c. Class "A" Concrete Side wall & TB	cu.m	0.83	11,312.95	9,389.75	1,696.94	1,131.30	707.06	3,535.30	14,848.25	12,324.05
d. Class "B" Concrete - Flooring	cu.m	135.34	8,715.75	1,179,589.61	1,307.36	871.58	544.73	2,723.67	11,439.42	1,548,211.10
e. Class "B" Concrete - Side Wall & TB	cu.m	177.98	11,024.35	1,962,113.81	1,653.65	1,102.44	683.02	3,445.11	14,469.46	2,575,274.49
f. Manual Excavation	cu.m	167.21	126.80	21,202.25	19.02	12.68	7.93	49.63	166.43	27,928.76
g. Side Borrow	cu.m	159.90	169.07	27,034.29	25.36	16.91	10.57	52.84	221.91	35,483.41
h. Haul Borrow	cu.m	164.81	1,763.57	290,653.97	264.54	176.36	110.22	551.12	2,314.69	381,484.06
ii Construction of Structure										
a. Class "A" Concrete (Barrei) - 211 kgscm	cu.m	7.34	14,425.63	105,884.12	2,163.84	1,442.56	901.60	4,508.00	18,933.63	138,972.84
Total CONTRACT WORKS				3,609,638.81						4,737,653.28
II. FORCE ACCOUNT WORKS										
1. Civil Works (Breakdown of Activities)										
2. Institutional Development Program	L.S.	1.00	100,000.00	100,000.00					100,000.00	100,000.00
3. Construction Survey (with support doc.)	L.S.	1.00	12,346.72	12,346.72					12,346.72	12,346.72
Parcelly Survey (with support doc.)										
Total FORCE ACCOUNT WORKS				112,346.72						112,346.72
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	150,000.00	150,000.00						150,000.00	150,000.00
VI. CONSULTING SERVICES										
VII. TAXES										
VII. TAXES										
VIII CONTINGENCIES										
1. Physical Contingency										
2. Financial Contingency										
TOTAL DIRECT COST				3,871,985.53						5,000,000.00

MASTERLIST OF ITEM OF WORKS

for SALANG BATO CIS - BARAS, Rizal
under RRECIS CY 2019

PROPOSED CONCRETE CANAL LINING

Description	Station		Length (m)	Location	Particular Item of Works								
	From	To			Class "A" Concrete		Class "A" Concrete (Barrel) - 211 kgscm	Concrete Demolition	Class "B" Concrete		Manual Excavation	Manual Backfill	
					Flooring	Side Wall & TB			Flooring	Side Wall & TB		Side Borrow	Haul Borrow
					(cu.m.)	(cu.m.)			(cu.m.)	(cu.m.)		(cu.m.)	(cu.m.)
Proposed Concrete Demolition	1+020.00	1+077.80	57.80	RMC				16.18					
Proposed Concrete Lining	1+020.00	1+135.00	115.00	RMC					11.36	18.69	20.22	20.22	0.26
Proposed Concrete Lining	1+624.08	1+800.00	175.92	RMC					21.93	24.25	-	-	91.74
Proposed Concrete Lining	1+800.00	1+893.88	93.88	RMC					11.72	12.92	16.16	16.16	16.61
Proposed Concrete Lining	1+893.88	2+031.08	137.20	RMC					17.12	35.31	27.59	27.59	21.45
2. Proposed Concrete Lining	2+031.08	2+571.00	539.92	RMC					67.38	75.94	85.00	85.00	31.17
PROPOSED TURNOUT AND BARREL	2+570.00	2+572.00	2.00	RMC	0.11	0.83	3.67				16.74	9.49	
4. Proposed Concrete Lining	0+000.00	0+020.00	20.00	SFD-RMC					1.46	2.68	0.90	0.84	-
6. Proposed Concrete Lining	0+020.00	0+080.00	60.00	SFD-RMC					4.37	8.19	0.60	0.60	3.58
8. Proposed Concrete Structure (Barrel)	1+618.08	1+624.08	6.00	RMC			3.67	3.60					
			1,201.72		0.11	0.83	7.34	19.78	135.34	177.98	167.21	159.90	164.81