



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

Annex "B"

SUMMARY OF CY 2018 PROGRAM OF WORK (POW)

Attachment "A"

REGION/PMO	: Region IV-A / Quezon IMO	Program No. :	1
PROJECT TITLE :	: CIS	Date:	Oct-18
NAME OF SYSTEM/PROJECT	: MAINIT NORTE CIS		
SYSTEM CATEGORY (NIS/CIS,NIP/SIP)	: CIS		
PROJECT DESCRIPTION	CONSTRUCTION OF DIVERSION WORKS, PIPEWORKS, AND CANAL STRUCTURES FOR IRRIGATION SYSTEM		

  

<b>I GENERAL INFORMATION</b>			
1. Project Location		6. Overall Project Cost (P)	
a. Region	IV- A	a. GOP	Original
b. Province/	QUEZON	b. Loan Proceeds	Revised
City / Municipality	PEREZ	c. Others (Equity,etc.)	
District	IV	TOTAL	
2. Service area/	21 has.		
Designed area (Ha.)			
3. Source of Water	Spring Water	7. Physical Target (Overall)	
3. a. Drainage Area		a. New Area (Ha.)	
3. b. Dependable Flow		b. Restored Area (Ha.)	
		c. Repair works (Ha.);(specific for rehab.)	21 has.
		d. Other Activities: (pls. specify)	
4. Type of Irrigation		Overall Implementation Schedule	
a. Run off the River	Latitude	J-O	Original
b. Reservoir		a. Physical Starting Date	February 2019
c. Ground Water Pump	5. PT of Diversion	b. Completion Date	August 2019
d. Others (surface pump)	Longitude		Revised

  

<b>II WORK TO BE DONE (OVERALL Program)</b>			
1. Performance Weight		4. Physical Target	
a. Contract Works (Civil Works)	95.19%	a. New Area (Ha.)	
b. Force Account Works	0.00%	b. Restored Area (Ha.)	
c. Others	4.81%	c. Repair works (specific for rehab.)	
TOTAL	100%	d. Other Activities: (Pls. specify)	
2. Starting Date:	February 2019		
3. No. of days to Complete	210 days		

  

<b>III BREAKDOWN OF CURRENT YEAR PROGRAM</b>				Prepared by:	
	Field Office	Central Office	Total	 <b>ELENA S. VILLEN A</b> Engineer A	
<b>DIRECT COST</b>					
I. CIVIL WORKS					
a. Contract Works	6,663,489.19		6,663,489.19		
b. Force Account Works					
2. INSTITUTIONAL DEV'T PROGRAM	105,000.00		105,000.00		
3. CONSTRUCTION SURVEY	21,510.81		21,510.81		
4. PARCELLARY MAPPING/ SURVEY					
5. RIGHT OF WAY ACQUISITION PLANT/PROPERTY DAMAGES					
6. PROCUREMENT OF EQUIPMENT & VEHICLES					
7. FIELD SUPPORT, SUPERVISION & MONITORING	210,000.00		210,000.00		
8. CONSULTING SERVICES					
9. TAXES (For selected FAPs)					
10. CONTINGENCIES					
<b>TOTAL DIRECT COST</b>			<b>7,000,000.00</b>	Checked by:  <b>REYNALDO M. CRISOSTOMO</b> Sr. Engineer A	
<b>IV. SOURCES OF FUNDS</b>				Approved by:  <b>FIDEL J. MARTINEZ</b> Division Manager A	
A. CAPITAL OUTLAY				Noted by:  <b>ROMEO M LOPEZ</b> Acting Regional Manager	
1. GOP					
2. Loan Proceeds					

PROJECT COST AND QUANTITIES DETAILED BREAKDOWN  
CURRENT YEAR 2019 / OVERALL PROGRAM OF WORK  
MAINIT NORTE CIS/ PEREZ, 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
<b>A.</b>	<b>Direct Cost</b>										
	<b>1. Civil Works</b>										
	<b>I. Contract Works</b>										
	<b>DIVERSION WORKS</b>										
	1. Rubble Masonry 211ksm	cu.m.	10.26	9,777.34	100,315.51	1,173.28	782.19	586.64	2,542.11	12,319.45	126,397.56
	2. Class "A" Concrete (Ordinary)	cu.m.	15.09	13,772.74	207,830.65	1,652.73	1,101.82	826.36	3,580.91	17,353.65	261,866.58
	3. Class "A" Concrete (Pier)	cu.m.	1.68	16,688.62	28,036.88	2,002.63	1,335.09	1,001.32	4,339.04	21,027.66	35,326.47
	4. Class "A" Concrete (Retaining Wall)	cu.m.	30.88	16,688.62	515,344.59	2,002.63	1,335.09	1,001.32	4,339.04	21,027.66	649,334.14
	5. Filter Drain	cu.m.	1.67	5,616.40	9,379.39	673.97	449.31	336.98	1,460.26	7,076.66	11,818.02
	6. Class "A" Concrete (Barrel)	cu.m.	7.00	16,688.62	116,820.34	2,002.63	1,335.09	1,001.32	4,339.04	21,027.66	147,193.62
	7. Cofferdamming	cu.m.	33.60	239.00	8,030.40	28.68	19.12	14.34	62.14	301.14	10,118.30
	8. Dewatering	cu.m.	585.20	93.20	54,540.64	11.18	7.46	5.59	24.23	117.43	68,720.04
	9. Structure Excavation (Manual)	cu.m.	192.61	163.50	31,491.74	19.62	13.08	9.81	42.51	206.01	39,679.59
	10. Structure Backfill (Manual)	cu.m.	115.57	174.40	20,155.41	20.93	13.95	10.46	45.34	219.74	25,395.35
	11. Flashboard	cu.m.	88.92	145.00	12,893.40	17.40	11.60	8.70	37.70	182.70	16,245.68
	<i>sub-total</i>				<b>1,104,838.95</b>						<b>1,392,095.35</b>
	<b>CANAL STRUCTURE</b>										
	1. Class "B" Concrete (Flooring)	cu.m.	78.53	11,946.48	938,157.07	1,433.58	955.72	716.79	3,106.09	15,052.57	1,182,078.32
	2. Class "B" Concrete (Wall & Tie Beam)	cu.m.	123.42	14,001.11	1,728,017.00	1,680.13	1,120.09	840.07	3,640.29	17,641.40	2,177,301.59
	3. Class "A" Concrete (Ordinary)	cu.m.	2.08	14,989.15	31,177.43	1,798.70	1,199.13	899.35	3,897.18	18,886.33	39,283.57
	4. Class "A" Concrete (Flume)	cu.m.	74.96	17,246.15	1,292,771.40	2,069.54	1,379.69	1,034.77	4,484.00	21,730.15	1,628,892.04
	5. Structure Excavation (Manual)	cu.m.	727.76	163.50	118,988.76	19.62	13.08	9.81	42.51	206.01	149,925.84
	6. Structure Backfill (Manual)	cu.m.	427.38	174.40	74,535.07	20.93	13.95	10.46	45.34	219.74	93,912.48
	<i>sub-total</i>				<b>4,183,646.73</b>						<b>5,271,393.84</b>
	<b>TOTAL CIVIL WORKS (Contract Works)</b>				<b>5,288,485.68</b>						<b>6,663,489.19</b>
	<b>2. Institutional Development Program</b>	l.s.	1.00	105,000.00	105,000.00					105,000.00	
	<b>TOTAL</b>				<b>105,000.00</b>						<b>105,000.00</b>
	<b>3. Construction Survey</b>	l.s.	1.00	21,510.81	21,510.81					21,510.81	
	<b>TOTAL</b>				<b>21,510.81</b>						<b>21,510.81</b>
	<b>5. Field Support, Supervision &amp; Monitoring</b>	l.s.	1.00	210,000.00	210,000.00					210,000.00	
	<b>TOTAL</b>				<b>210,000.00</b>						<b>210,000.00</b>
<b>B.</b>	<b>INDIRECT COST</b>										
	Contingency										
	<b>TOTAL</b>										
	<b>GRAND TOTAL</b>				<b>5,624,996.49</b>						<b>7,000,000.00</b>

**MASTERLIST OF ITEM OF WORKS  
MAINIT NORTE SMALL IRRIGATION PROJECT  
PEREZ, QUEZON**

FUND SOURCE: RRECIS CY 2019

ITEM OF WORKS	Rubble Masonry 211ksm	Class "A" Concrete (Ordinary)	Class "A" Concrete (Pier)	Class "A" Concrete (Retaining Wall)	Filter Drain	Class "A" Concrete (Barrel)	Cofferdamming	Dewatering	Structure Excavation (Manual)	Structure Backfill (Manual)	Flashboard
	cu. m.	cu. m.	cu. m.	cu. m.	cu. m.	cu. m.	cu. m.	cu. m.	cu. m.	cu. m.	cu. m.
<b>I. DIVERSION WORKS</b>											
1 Proposed Intake	10.26	15.09	1.68	30.88	1.67	7.00	33.60	585.20	192.61	115.57	88.92
<b>TOTAL</b>	<b>10.26</b>	<b>15.09</b>	<b>1.68</b>	<b>30.88</b>	<b>1.67</b>	<b>7.00</b>	<b>33.60</b>	<b>585.20</b>	<b>192.61</b>	<b>115.57</b>	<b>88.92</b>

ITEM OF WORKS	NAME OF CANAL	STATION		Length	Class "B" Concrete (Flooring)	Class "B" Concrete (Wall & Tie Beam)	Class "A" Concrete (Ordinary)	Class "A" Concrete (Flume)	Structure Excavation (Manual)	Structure Backfill (Manual)
				m.	cu.m.	cu.m.	cu.m.	cu.m.	cu.m.	cu.m.
<b>I. CONTRACT WORKS</b>										
<b>A. CIVIL WORKS</b>										
<b>I. CANAL STRUCTURE</b>										
1 Prop. Canal Lining	MC	0+000.00	0+076.00	76.00	6.52	10.3			75.00	36
2 Prop. Flume	MC	0+076.00	0+103.00	27.00			0.07	9.09	10.13	8.18
3 Prop. Canal Lining	MC	0+103.00	0+224.00	121.00	11.95	16.66			102.00	28
4 Prop. Flume	MC	0+224.00	0+256.00	32.00			0.07	11.77	17.41	14.82
5 Prop. Canal Lining	MC	0+256.00	0+420.00	164.00	14.07	22.42			242.00	92
6 Prop. Flume	MC	0+420.00	0+590.00	170.00			0.12	46.9	112.72	110.11
7 Prop. Canal Lining	MC	0+590.00	0+660.00	70.00	5.49	8.75			9.00	16.00
8 Prop. Turnout	MC	0+660.00	0+661.00	1.00			0.65		1.00	1.00
9 Prop. Canal Lining	MC	0+661.00	0+820.00	159.00	13.64	21.73			19.00	37.00
10 Prop. Turnout	MC	0+820.00	0+821.00	1.00			0.65		1.00	1.00
11 Prop. Canal Lining	MC	0+821.00	1+019.00	178.00	13.03	24.28			32.00	41.00
12 Prop. Flume	MC	1+019.00	1+039.00	20.00			0.52	7.20	12.50	9.27
13 Prop. Flume	MC	1+039.00	1+179.00	140.00	13.83	19.28			94.00	33.00
<b>TOTAL</b>				<b>1159.00</b>	<b>78.53</b>	<b>123.42</b>	<b>2.08</b>	<b>74.96</b>	<b>727.76</b>	<b>427.38</b>

IN PLANS:

STA. 0+890 — 0+607.13 — PROPOSED CANAL LINING  
 STA. 0+607.13 — 0+617.95 — PROPOSED SIPHONIC RENO CROSSING  
 STA. 0+617.95 — 0+660.00 — PROPOSED CANAL LINING