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|--|--|---|---------------------|---|--|---|--|
| REGION/PMO | : Region IV-A / Quezon IMO | | Program No. : | 1 | | | |
| PROJECT TITLE : | : FAMILY MODEL FARM (FMF) PROJECT | | Date: | December 2018 | | | |
| NAME OF SYSTEM/PROJECT | : ALABAT PIP | | | | | | |
| SYSTEM CATEGORY (NIS/CIS,NIP/SIP) | : EGPIP | | | | | | |
| PROJECT DESCRIPTION | : Construction of Greenhouse and Drip Irrigation System | | | | | | |
| I GENERAL INFORMATION | | | | | | | |
| 1. Project Location | | 6. Overall Project Cost (P) | Original | Revised | | | |
| a. Region | IV- A | a. GOP | | | | | |
| b. Province/ | Alabat | b. Loan Proceeds | | | | | |
| City / Municipality | Quezon | c. Others (Equity,etc.) | | | | | |
| District | IV | TOTAL | | | | | |
| 2. Service area/ | 0.18 has. | | | | | | |
| Designed area (Ha.) | | 7. Physical Target (Overall) | | | | | |
| 3. Source of Water | Deep Well | a. New Area (Ha.) | 0.18 | | | | |
| 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 | | 8. Overall Implementation Schedule | Original | Revised | | | |
| | Latitude | | | | | | |
| a. Run off the River | | a. Physical Starting Date | Feb-19 | | | | |
| b. Reservoir | | b. Completion Date | May-19 | | | | |
| c. Ground Water Pump | | | | | | | |
| d. Others (surface pump) | | | | | | | |
| II WORK TO BE DONE (OVERALL Program) | | | | | | | |
| 1. Performance Weight | | 4. Physical Target | | | | | |
| a. Contract Works (Civil Works) | 78.38% | a. New Area (Ha.) | 0.18 | | | | |
| b. Force Account Works | 16.67% | b. Restored Area (Ha.) | | | | | |
| c. Others | 4.95% | c. Repair works (specific for rehab.) | | | | | |
| TOTAL | 100% | d.Other Activities: (Pls. specify) | | | | | |
| 2. Starting Date: | upon release of fund | | | | | | |
| 3. No. of days to Complete | 120 days | | | | | | |
| III BREAKDOWN OF CURRENT YEAR PROGRAM | | | | | | | |
| | Field Office | Central Office | Total | Prepared by: | | | |
| DIRECT COST | | | |  ELENA S. VILLENA Engineer A | | | |
| I. CIVIL WORKS | | | | | | | |
| a. Contract Works | 4,703,063.71 | | 4,703,063.71 | | | | |
| b. Force Account Works | 999,970.00 | | 999,970.00 | | | | |
| 2. INSTITUTIONAL DEV'T PROGRAM | 180,000.00 | | 180,000.00 | | | | |
| 3. CONSTRUCTION SURVEY | | | | | | | |
| 4. PARCELLARY MAPPING/ SURVEY | | | | | | | |
| 5. RIGHT OF WAY ACQUISITION PLANT/PROPERTY DAMAGES | | | | | | | |
| 6. PROCUREMENT OF EQUIPMENT & VEHICLES | | | | | | | |
| 7. FIELD SUPPORT, SUPERVISION & MONITORING | 116,966.29 | | 116,966.29 | | | | |
| 8. CONSULTING SERVICES | | | | Checked by: | | | |
| 9. TAXES (For selected FAPs) | | | |  REYNALDO M. CRISOSTOMO Sr. Engineer A | | | |
| 10. CONTINGENCIES | | | | | | | |
| TOTAL DIRECT COST | | | 6,000,000.00 | | | | |
| IV. SOURCES OF FUNDS | | | | | | | |
| A. CAPITAL OUTLAY | | | | | | Approved by: | |
| 1. GOP | | | | | |  FIDEL V. MARTINEZ Division Manager A | |
| 2. Loan Proceeds | | | | | | | |
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| | | | | Noted by: | | | |
| | | | |  ROMEO M. LOPEZ Acting Regional Manager | | | |

**PROJECT COST AND QUANTITIES DETAILED BREAKDOWN
CURRENT YEAR 2019 / OVERALL PROGRAM OF WORK
ALABAT PIP (Family Model Farm Project) / 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 |
| A. | Direct Cost | | | | | | | | | | |
| | 1. Civil Works | | | | | | | | | | |
| | 1. Contract Works | | | | | | | | | | |
| | Package 1 | | | | | | | | | | |
| | I. FARM PREPARATION | | | | | | | | | | |
| | a. Clearing and Grubbing | sq. m. | 2,000.00 | 8.00 | 16,000.00 | 1.20 | 0.80 | 0.50 | 2.50 | 10.50 | 21,000.00 |
| | b. Bed Preparation | bed | 94.00 | 101.74 | 9,563.56 | 15.26 | 10.17 | 6.36 | 31.79 | 133.53 | 12,551.82 |
| | TOTAL | | | | 25,563.56 | | | | | | 33,551.82 |
| | II. GREENHOUSE STRUCTURE & DRIP IRRIGATION SYSTEM | | | | | | | | | | |
| | a. Greenhouse Construction (Model HB-DU-400 m ² , 4 span) | lot | 2.00 | 1,352,558.00 | 2,705,116.00 | 202,883.70 | 135,255.80 | 84,534.88 | 422,674.38 | 1,775,232.38 | 3,550,464.76 |
| | b. Installation of Drip Irrigation System | unit | 2.00 | 67,000.00 | 134,000.00 | 10,050.00 | 6,700.00 | 4,187.50 | 20,937.50 | 87,937.50 | 175,875.00 |
| | c. Green house Elevated Tank | unit | 2.00 | 70,500.00 | 141,000.00 | 10,575.00 | 7,050.00 | 4,406.25 | 22,031.25 | 92,531.25 | 185,062.50 |
| | TOTAL | | | | 2,980,116.00 | | | | | | 3,911,402.26 |
| | III. OPEN FIELD IRRIGATION SYSTEM | | | | | | | | | | |
| | | unit | 1.00 | 56,618.00 | 56,618.00 | 8,492.70 | 5,661.80 | 3,538.63 | 17,693.13 | 74,311.13 | 74,311.13 |
| | TOTAL | | | | 56,618.00 | | | | | | 74,311.13 |
| | IV. PROJECT BODEGA AND BUNK HOUSE | | | | | | | | | | |
| | | l.s. | 1.00 | 175,238.10 | 175,238.10 | 26,285.72 | 17,523.81 | 10,952.38 | 54,761.91 | 230,000.01 | 230,000.01 |
| | TOTAL | | | | 175,238.10 | | | | | | 230,000.01 |
| | TOTAL FOR PACKAGE 1 | | | | 3,062,297.56 | | | | | | 4,249,265.22 |
| | Package 2 | | | | | | | | | | |
| | I. Supply, delivery, and installation of SOLAR PUMP WORKS and ACCESSORIES and Provision of Well Development (Repair of Existing Well) (265W PV Solar panel, 250W (0.33Hp) Direct PV Solar Water Pump System, 1" Dia) | unit | 1.00 | 345,751.25 | 345,751.25 | 51,862.69 | 34,575.13 | 21,609.45 | 108,047.27 | 453,798.52 | 453,798.52 |
| | TOTAL FOR PACKAGE 2 | | | | 345,751.25 | | | | | | 453,798.52 |
| | Total Contract Works | | | | 3,408,048.81 | | | | | | 4,703,063.74 |

**PROJECT COST AND QUANTITIES DETAILED BREAKDOWN
CURRENT YEAR 2019 / OVERALL PROGRAM OF WORK
ALABAT PIP (Family Model Farm Project) / 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 |
| | 2. Force Account Works | | | | | | | | | | |
| | I. FARM INPUTS & MAINTENANCE | season | 2.00 | 273,985.00 | 547,970.00 | | | | | 273,985.00 | 547,970.00 |
| | II. FARM EQUIPMENTS | set | 1.00 | 272,000.00 | 272,000.00 | | | | | 272,000.00 | 272,000.00 |
| | III. FIELD SCHOOL | batch | 2.00 | 90,000.00 | 180,000.00 | | | | | 90,000.00 | 180,000.00 |
| | Total Force Account Works | | | | 999,970.00 | | | | | | 999,970.00 |
| | TOTAL CIVIL WORKS | | | | 4,408,018.81 | | | | | | 5,703,033.74 |
| | 2. Institutional Development Program | i.s. | 1.00 | | 116,966.26 | | | | | 116,966.26 | 116,966.26 |
| | TOTAL | | | | 116,966.26 | | | | | | 116,966.26 |
| | 3. Construction Survey | i.s. | | | | | | | | | |
| | TOTAL | | | | | | | | | | |
| | 4. Parcellary Survey | i.s. | | | | | | | | | |
| | TOTAL | | | | | | | | | | |
| | 5. Field Support, Supervision & Monitoring | i.s. | 1.00 | | 180,000.00 | | | | | 180,000.00 | 180,000.00 |
| | TOTAL | | | | 180,000.00 | | | | | | 180,000.00 |
| | B. INDIRECT COST | | | | | | | | | | |
| | Contigency | | | | | | | | | | |
| | TOTAL | | | | | | | | | | |
| | GRAND TOTAL | | | | 4,704,985.07 | | | | | | 6,000,000.00 |

**MASTERLIST OF ITEM OF WORKS
FAMILY MODEL FARM PROJECT
ALABAT, QUEZON**

I. CONTRACT WORKS

Package 1

| DESCRIPTION | Clearing, Grubbing, Grading, and Bed Preparation | Bed Preparation |
|------------------|--|-----------------|
| | cu. m. | bed |
| Farm Preparation | 2000.00 | 94.00 |

| DESCRIPTION | Greenhouse Construction | Installation of Drip Irrigation System (Greenhouse) | Greenhouse Elevated Tank | Installation of Drip Irrigation System (Open Field) |
|--|----------------------------|---|-----------------------------|---|
| | lot | unit | unit | unit |
| Greenhouse Structure & Drip Irrigation System | 2.00 | 2.00 | 2.00 | 1.00 |

| DESCRIPTION | Project Bodega and Bunk House |
|-----------------|-------------------------------|
| | l.s |
| Farm Structures | 1.00 |

Package 2

| DESCRIPTION | 250W (0.33Hp) Direct PV Solar Water Pump System, 1" Dia and Accessories and Well Development (Repair of Existing Well) |
|-------------------------------------|--|
| | unit |
| Solar Pump Works and Accessories | 1.00 |

II. FORCE ACCOUNT WORKS

| DESCRIPTION | Farm inputs and maintenance | Purchase of Farm Equipments | Conduct of Field/Study Tour |
|--|--------------------------------|--------------------------------|--------------------------------|
| | season | cu. m. | unit |
| 1. Farming Activities and Farm Inputs | 2.00 | 1.00 | 2.00 |