

1 **THERESA G. ROJAS**
2 Legal Counsel
3 Guam Waterworks Authority
4 Gloria B. Nelson Public Service Building
5 688 Route 15, Suite 304
6 Mangilao, Guam 96913
7 Telephone No: (671) 300-6848
8 Email: tgrojas@guamwaterworks.org



6 **BEFORE THE GUAM PUBLIC UTILITIES COMMISSION**

8 IN THE MATTER OF:) **GWA DOCKET NO. 26-01**
9)
10 **REQUEST BY THE GUAM**) **PETITION TO APPROVE THE**
11 **WATERWORKS AUTHORITY TO**) **CONSTRUCTION CONTRACT FOR**
12 **APPROVE PRESSURE ZONE**) **PRESSURE ZONE REALIGNMENT**
13 **REALIGNMENT PHASE II**) **PHASE II PROJECT WITH SUMITOMO**
14 **PROJECT**) **MITSUI CONSTRUCTION CO., LTD**

13 The GUAM WATERWORKS AUTHORITY (“GWA”), by and through its counsel of
14 record, THERESA G. ROJAS, hereby files its Petition seeking PUC approval to enter into a
15 Construction contract with Sumitomo Mitsui Construction Co., LTD for GWA’s Pressure Zone
16 Realignment Phase II project.

17 **I. BACKGROUND**

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19 On February 14, 2024, the GWA issued a competitive procurement, an Invitation to Bid
20 (IFB-02-ENG-2024) for the construction of the Pressure Zone Realignment Phase II project. The
21 project divides the construction work into two phases. Work under Phase A included
22 rehabilitation of existing and/or construction of new pressure reducing valves (PRV), vaults,
23 control buildings, installation of SCADA, and off-site work at seven (7) sites. As of present, work
24 continues under Phase A.

25
26 Phase B is to construct pressure reducing/sustaining valve (PRSV) stations, to include
27 flow meters, vaults, electrical infrastructure, and waterlines at the following sites:
28

1. New Asan flow meter; and
2. New Talofoto flow meter; and
3. New Sinajana flow meter; and
4. New East Agana flow meter; and
5. New Dairy Road PRSV and flow meter; and
6. New Army Drive PRSV and flow meter; and
7. New Gayinero PRSV and flow meter; and
8. New Larson Road PRSV and flow meter; and
9. New Latte Heights PRSV and flow meter; and
10. New Hawaiian Rock PRSV and flow meter; and
11. New Mangilao Tank flow meters and control building; and
12. New Volcano PRSV and flow meter; and
13. New Pago Bay PRSV and flow meter; and
14. Removal of existing PRV at Tri-Intersection; and
15. New waterline connection at Route 15; and
16. New waterline and PRSV at Nimitz Hill; and

Two bid proposals were received from the 20 interested parties who picked up IFB packages. GWA engineering team analyzed the bid proposals received on July 26, 2024. It was determined that Sumitomo Mitsui Construction Co., LTD was the lowest responsive and responsible bidder, meeting all bid requirements set forth by GWA.

Sumitomo Mitsui Construction Co., LTD submitted a Base Bid proposal of Twenty-Three Million Two Hundred Forty-Two Thousand Seven Hundred Seventy-Seven Dollars (\$23,242,777.00), and GWA Management found it acceptable.

On January 28, 2025 GWA Management sought approval to enter into a contract for the Base Bid work (\$23,242,777.00) along with a ten percent (10%) contingency of Two Million Three Hundred Twenty-Four Thousand Two Hundred Seventy-Seven Dollars and Seventy Cents (\$2,324,277.70), with Sumitomo Mitsui Construction Co., LTD from the Consolidated

Commission on Utilities (“CCU”) via Resolution 15-FY2025 and CCU approval was garnered. Phase A work under the contract was certified for Fourteen Million Nine Hundred Fifty-Six Thousand Four Hundred Eighteen (\$14,956,418.00) and was completely funded by grant monies. GWA did not submit a Petition to the PUC as funding for Phase A was entirely grant monies.

With the recent sale of GWA’s Series 2025A Revenue Bonds, GWA now wishes to proceed with the remaining work under the project using a portion of the 2025A Bonds, residual Grant Funds, and Internally Funded Capital Improvement Project (IFCIP) funds. The remaining work under the contract is in the amount of Eight Million Two Hundred Eighty-Six Thousand Three Hundred Fifty-Nine Dollars (\$8,286,359.00). Grant funds in the amount of Seven Hundred Seventy-Two Thousand One Hundred Fifty-One Dollars and Eighty-Four Cents (\$772,151.84), IFCIP funds in the amount of Five Million Six Hundred Twenty-Four Thousand Three Hundred Ninety-Nine and Three Cents (\$5,624,399.03), and a portion of 2025A Bonds in the amount of One Million Eight Hundred Eighty-Nine Thousand Eight Hundred Eight Dollars and Thirteen Cents (\$1,889,808.13) will be used for Phase B work.

II. REQUEST FOR APPROVAL

GWA now desires to award and proceed with work under Phase B of the Construction contract for its Pressure Zone Realignment Construction Phase II Project (IFB-02-ENG-2024) with Sumitomo Mitsui Construction Co, LTD for a total base bid award of Twenty-Three Million Two Hundred Forty-Two Thousand Seven Hundred Seventy-Seven Dollars (\$23,242,777.00), together with a ten percent (10%) contingency of Two Million Three Hundred Twenty-Four Thousand Two Hundred Seventy-Seven Dollars and Seventy Cents (\$2,324,277.70), for a total approved funding amount of Twenty-Five Million Five Hundred Sixty-Seven Thousand Fifty-Four Dollars and Seventy Cents (\$25,567,054.70).

1 In support of this Petition, the CCU approved GWA Resolution No. 15-FY2025 attached
2 hereto as **Exhibit A** and is incorporated by reference as if fully set forth herein.

3 **III. CONCLUSION**

4 Based on the foregoing, GWA requests the PUC's approval for the award to Sumitomo
5 Mitsui Construction Co., LTD for IFB-02-ENG-2024, Pressure Zone Realignment Construction
6 Phase II project, for a total funding amount of Twenty-Five Million Five Hundred Sixty-Seven
7 Thousand Fifty-Four Dollars and Seventy Cents (\$25,567,054.70) as it is reasonable, prudent,
8 and necessary.

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10 **RESPECTFULLY SUBMITTED** this 10th day of October 2025.

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13 By: _____/s/_____
14 **THERESA G. ROJAS**
15 GWA Legal Counsel
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GWA RESOLUTION NO. 15-FY2025

**RELATIVE TO APPROVAL OF THE CONSTRUCTION CONTRACT FOR THE
PRESSURE ZONE REALIGNMENT CONSTRUCTION PHASE II PROJECT**

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities (“CCU”) has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority (“GWA”); and

WHEREAS, the Guam Waterworks Authority (“GWA”) is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA currently has a number of critical projects as part of GWA’s Capital Improvement Program (CIP), including the installation (i.e. reparation, rehabilitation, replacement, relocation, or development) of pressure reducing/sustaining valves (PRSV), flow meters, and their appurtenances, as stated in GWA’s Pressure Zone Realignment Plan, and Water Resources Master Plan; and

WHEREAS, in accordance with the Master Plan and CIP, GWA intends to execute the second phase of the Pressure Zone Realignment project to construct pressure reducing/sustaining valve (PRSV) stations, to include flow meters, vaults, electrical infrastructure, and waterlines at the following sites:

1. New Asan flow meter; and
2. New Talofofo flow meter; and
3. New Sinajana flow meter; and
4. New East Agana flow meter; and
5. New Dairy Road PRSV and flow meter; and
6. New Army Drive PRSV and flow meter; and
7. New Gayinero PRSV and flow meter; and
8. New Larson Road PRSV and flow meter; and
9. New Latte Heights PRSV and flow meter; and
10. New Hawaiian Rock PRSV and flow meter; and

11. New Mangilao Tank flow meters and control building; and
12. New Volcano PRSV and flow meter; and
13. New Pago Bay PRSV and flow meter; and
14. Removal of existing PRV at Tri-Intersection; and
15. New waterline connection at Route 15; and
16. New waterline and PRSV at Nimitz Hill; and

WHEREAS, GWA has advertised an Invitation for Bid (IFB-02-ENG-2024) soliciting bid proposals from experienced, responsible, and responsive bidders to rehabilitate existing and/or construct new pressure reducing valves (PRV), PRSVs, flow meters, vaults, control buildings, install SCADA connections, and off-site work at 16 sites in the Base Bid; and

WHEREAS, the Base Bid work consists of the Contractor furnishing all labor, tools, equipment and materials necessary to complete the construction of the Pressure Zone Realignment Phase II work to include, but not be limited to earthwork, pipework, roadway repair, PRVs, PRSVs, flow meters, concrete work, electrical work, fences and gates, SCADA, testing and start-up under the provisions of the bid documents and in accordance with applicable GWA standards; and

WHEREAS, IFB packages were picked up by 20 interested parties, from which GWA received bid proposals from 2 of the 20 parties before the bid proposal deadline (See Exhibit A – Abstract of Bids); and

WHEREAS, GWA engineering team analyzed all bid proposals received on July 26, 2024 and determined Sumitomo Mitsui Construction Co., LTD as being the lowest responsive and responsible bidder and met all the bid requirements set forth by GWA; and

WHEREAS, GWA Management finds that Sumitomo Mitsui Construction Co., LTD Base Bid proposal of Twenty-Three Million Two Hundred Forty-Two Thousand Seven Hundred Seventy-Seven Dollars (\$23,242,777.00) to be acceptable (See Exhibit B – Bid Form); and

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1 **WHEREAS**, GWA Management is seeking approval to enter into a contract for the Base
2 Bid work with Sumitomo Mitsui Construction Co., LTD (IFB-02-ENG-2024) in the amount of
3 Twenty-Three Million Two Hundred Forty-Two Thousand Seven Hundred Seventy-Seven
4 Dollars (\$23,242,777.00), along with a ten percent (10%) contingency of Two Million Three
5 Hundred Twenty-Four Thousand Two Hundred Seventy-Seven Dollars and Seventy Cents
6 (\$2,324,277.70), bringing the total requested funding amount to Twenty-Five Million Five
7 Hundred Sixty-Seven Thousand Fifty-Four Dollars and Seventy Cents (\$25,567,054.70); and
8

9 **WHEREAS**, the funding sourced for the construction project will be from GWA bond
10 funds and US Environmental Protection Agency (EPA) infrastructure grant funds.
11

12 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
13 does hereby approve and authorize the following:
14

- 15 1. The recitals set forth above hereby constitute the findings of the CCU.
- 16 2. The CCU finds that the terms of the bid proposal submitted by Sumitomo
17 Mitsui Construction Co., LTD. are fair and reasonable.
- 18 3. The CCU hereby authorizes the management of GWA to accept the bid from
19 Sumitomo Mitsui Construction Co., LTD. attached hereto as Exhibit B, and
20 which is also incorporated into this Resolution in its entirety.
- 21 4. The CCU hereby authorizes the management of GWA to enter into a contract
22 with Sumitomo Mitsui Construction Co., LTD. in the amount of Twenty-
23 Three Million Two Hundred Forty-Two Thousand Seven Hundred Seventy-
24 Seven Dollars (\$23,242,777.00).
- 25 5. The CCU hereby approves the funding total of Twenty-Three Million Two
26 Hundred Forty-Two Thousand Seven Hundred Seventy-Seven Dollars
27 (\$23,242,777.00), along with a ten percent (10%) contingency of Two Million
28 Three Hundred Twenty-Four Thousand Two Hundred Seventy-Seven Dollars
29 and Seventy Cents (\$2,324,277.70), bringing the total approved funding
30 amount to Twenty-Five Million Five Hundred Sixty-Seven Thousand Fifty-
31 Four Dollars and Seventy Cents (\$25,567,054.70).

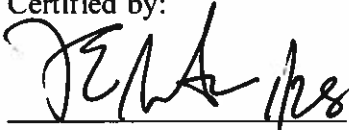
32 //

6. The CCU hereby approves the use of GWA Bond and EPA grant funding sources for the project.

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 28th day of January 2025.

Certified by:



FRANCIS E. SANTOS
Chairperson

Attested by:



MELVIN F. DUENAS
Secretary

SECRETARY'S CERTIFICATE

I, Melvin F. Duenas, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES:

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NAYS:

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ABSENT:

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ABSTAIN:

0



**GUAM WATERWORKS AUTHORITY
PRESSURE ZONE REALIGNMENT CONSTRUCTION PHASE 2
GWA Project No. W18-001-BND**

BID SCHEDULE

Interested Bidders must complete Table A. All blanks in the tables must be filled out.

Definitions:

LS = lump sum

**TABLE A
BID SCHEDULE**

(BASE BID ITEMS NO. 1 – 21)

Item No.	Description	Quantity	Unit	Extended Amount
1.	Mobilization, as specified in the Contract Documents.	1	LS	\$ <u>1,120,973.00</u>
2.	Bonds and Permits.	1	LS	\$ <u>595,770.00</u>
3.	Insurance (COI and corresponding insurance policies are required)	1	LS	\$ <u>329,388.00</u>
4.	Training budget (SCADA, meters, control valve, and pump manufacturer training off-island including training cost, airfare, hotel, car rental and per diem)	1	LS	\$ 120,000
5.	Preparation and Approval of the Archaeological Monitoring and Discovery and Data Recovery Plan for 15 sites by State Historic Preservation Office	1	LS	\$ <u>96,717.00</u>

Item No.	Description	Quantity	Unit	Extended Amount
6.	Asan Meter:			
6.1	Traffic control	1	LS	\$ 20,925.00
6.2	Stainless steel meter box	1	LS	\$ 40,068.00
6.3	20" meter	1	LS	\$ 107,536.00
6.4	Concrete pedestal	1	LS	\$ 23,674.00
6.5	Site and pavement restoration	1	LS	\$ 27,343.00
6.6	Commissioning/demonstration	1	LS	\$ 17,146.00
6.7	Site survey	1	LS	\$ 9,854.00
6.8	Archaeological monitoring	1	LS	\$ 47,003.00
6.9	Biological survey	1	LS	\$ 15,766.00
	Subtotal	1	LS	\$ 309,315.00
7.	Talofofo Meter:			
7.1	Traffic control	1	LS	\$ 20,626.00
7.2	Meter vault installation	1	LS	\$ 78,053.00
7.3	Meter, piping and connections	1	LS	\$ 141,126.00
7.4	Stainless steel meter box	1	LS	\$ 54,865.00
7.5	Concrete pedestal	1	LS	\$ 20,129.00
7.6	Vault cover and ladder rungs	1	LS	\$ 15,163.00
7.7	Site and pavement restoration	1	LS	\$ 9,977.00
7.8	Potholing	1	LS	\$ 7,967.00
7.9	Commissioning/demonstration	1	LS	\$ 22,073.00
7.10	Site survey	1	LS	\$ 8,869.00
7.11	Archaeological monitoring	1	LS	\$ 24,930.00
7.12	Biological survey	1	LS	\$ 19,708.00
	Subtotal	1	LS	\$ 423,486.00
8.	Sinajana Meter:			
8.1	Traffic control	1	LS	\$ 14,213.00
8.2	Meter vault installation	1	LS	\$ 65,292.00
8.3	Meter, piping and connections	1	LS	\$ 139,047.00
8.4	Stainless steel meter box	1	LS	\$ 60,580.00
8.5	Concrete pedestal	1	LS	\$ 12,799.00
8.6	Vault cover and ladder rungs	1	LS	\$ 15,853.00
8.7	Site and pavement restoration	1	LS	\$ 22,412.00
8.8	Potholing	1	LS	\$ 15,916.00
8.9	Commissioning/demonstration	1	LS	\$ 25,620.00
8.10	Site survey	1	LS	\$ 6,898.00
8.11	Archaeological monitoring	1	LS	\$ 23,842.00
	Subtotal	1	LS	\$ 402,472.00

Item No.	Description	Quantity	Unit	Extended Amount
9.	East Agana Meter:			
9.1	Traffic control	1	LS	\$ 166,626.00
9.2	Meter vault installation	1	LS	\$ 66,506.00
9.3	Meter, piping and connections	1	LS	\$ 437,211.00
9.4	Stainless steel meter box	1	LS	\$ 40,422.00
9.5	Concrete pedestal	1	LS	\$ 5,539.00
9.6	Vault cover and ladder rungs	1	LS	\$ 45,955.00
9.7	Site and pavement restoration	1	LS	\$ 220,763.00
9.8	Potholing	1	LS	\$ 128,050.00
9.9	Commissioning/demonstration	1	LS	\$ 28,576.00
9.10	Site survey	1	LS	\$ 11,825.00
9.11	Archaeological monitoring	1	LS	\$ 68,527.00
	Subtotal	1	LS	\$ 1,220,000.00
10.	Dairy Road PRSV:			
10.1	Potholing	1	LS	\$ 30,046.00
10.2	Traffic control	1	LS	\$ 17,896.00
10.3	Abandonment of pipe	1	LS	\$ 17,328.00
10.4	Vault	1	LS	\$ 236,824.00
10.5	Vents	1	LS	\$ 84,115.00
10.6	12" PRSV	1	LS	\$ 79,583.00
10.7	12" meter	1	LS	\$ 35,894.00
10.8	Piping and connections	1	LS	\$ 325,015.00
10.9	Electrical System	1	LS	\$ 203,389.00
10.10	SCADA, instrumentation and controls	1	LS	\$ 255,397.00
10.11	Fencing	1	LS	\$ 14,466.00
10.12	Commissioning/demonstration	1	LS	\$ 21,679.00
10.13	Site and pavement restoration	1	LS	\$ 20,831.00
10.14	Site survey	1	LS	\$ 11,825.00
10.15	Archaeological monitoring	1	LS	\$ 56,593.00
10.16	Biological survey	1	LS	\$ 23,649.00
	Subtotal	1	LS	\$ 1,434,530.00

Item No.	Description	Quantity	Unit	Extended Amount
11.	Army Drive PRSV:			
11.1	Potholing	1	LS	\$ 73,684.00
11.2	Traffic control	1	LS	\$ 46,526.00
11.3	Abandonment of pipe	1	LS	\$ 13,332.00
11.4	Vault	1	LS	\$ 231,568.00
11.5	Vents	1	LS	\$ 75,267.00
11.6	8" PRSV	1	LS	\$ 26,387.00
11.7	12" PRSV	1	LS	\$ 48,867.00
11.8	8" meter	1	LS	\$ 21,460.00
11.9	12" meter	1	LS	\$ 32,938.00
11.10	Piping and connections	1	LS	\$ 507,653.00
11.11	Electrical system	1	LS	\$ 305,730.00
11.12	SCADA, instrumentation and controls	1	LS	\$ 246,906.00
11.13	Fiber optic connection	1	LS	\$ 241,595.00
11.14	Fencing	1	LS	\$ 14,663.00
11.15	Commissioning/demonstration	1	LS	\$ 25,620.00
11.16	Site and pavement restoration	1	LS	\$ 128,455.00
11.17	Site survey	1	LS	\$ 6,898.00
11.18	Archaeological monitoring	1	LS	\$ 59,855.00
	Subtotal	1	LS	\$ 2,107,404.00
12.	Tri-Intersection PRV Abandonment			
12.1	16" PRV removal	1	LS	\$ 2,956.00
12.2	Pipe and valve removal	1	LS	\$ 2,444.00
12.3	Pipe and connections	1	LS	\$ 45,452.00
12.4	Tiyan waterline abandonment	1	LS	\$ 8,869.00
	Subtotal	1	LS	\$ 59,721.00

Item No.	Description	Quantity	Unit	Extended Amount
13.	Gayinero PRSV:			
13.1	Potholing	1	LS	\$ 81,888.00
13.2	Traffic control	1	LS	\$ 75,314.00
13.3	Abandonment of pipe	1	LS	\$ 11,234.00
13.4	Vault	1	LS	\$ 290,559.00
13.5	Vents	1	LS	\$ 77,878.00
13.6	12" meter	1	LS	\$ 31,952.00
13.7	12" PRSV	1	LS	\$ 46,896.00
13.8	Piping and connections	1	LS	\$ 596,390.00
13.9	Electrical system	1	LS	\$ 376,617.00
13.10	SCADA, instrumentation and controls	1	LS	\$ 246,795.00
13.11	Fiber optic connection	1	LS	\$ 240,875.00
13.12	Fencing	1	LS	\$ 14,466.00
13.13	Commissioning/demonstration	1	LS	\$ 25,620.00
13.14	Site and pavement restoration	1	LS	\$ 106,333.00
13.15	Site survey	1	LS	\$ 6,898.00
13.16	Archaeological monitoring	1	LS	\$ 65,292.00
	Subtotal	1	LS	\$ 2,295,007.00
14.	Route 15 Connection:			
14.1	Potholing	1	LS	\$ 2,061.00
14.2	Traffic control	1	LS	\$ 2,759.00
14.3	Piping and connections	1	LS	\$ 23,866.00
14.4	Site and pavement restoration	1	LS	\$ 1,222.00
14.5	Site survey	1	LS	\$ 6,898.00
14.6	Archaeological monitoring	1	LS	\$ 15,351.00
14.7	Biological survey	1	LS	\$ 13,796.00
	Subtotal	1	LS	\$ 65,953.00

Item No.	Description	Quantity	Unit	Extended Amount
15.	Larson Road PRSV/Meter			
15.1	Potholing	1	LS	\$ 8,671.00
15.2	Traffic control	1	LS	\$ 6,803.00
15.3	Abandonment of pipe	1	LS	\$ 2,759.00
15.4	Vault	1	LS	\$ 168,915.00
15.5	Vents	1	LS	\$ 74,768.00
15.6	6" meter	1	LS	\$ 16,720.00
15.7	6" PRSV	1	LS	\$ 15,699.00
15.8	Piping and connections	1	LS	\$ 131,231.00
15.9	Electrical system	1	LS	\$ 253,883.00
15.10	SCADA, instrumentation and controls	1	LS	\$ 248,245.00
15.11	Fiber optic connection	1	LS	\$ 238,479.00
15.12	Fencing	1	LS	\$ 14,466.00
15.13	Commissioning/demonstration	1	LS	\$ 17,737.00
15.14	Site and pavement restoration	1	LS	\$ 15,066.00
15.15	Site survey	1	LS	\$ 6,898.00
15.16	Archaeological monitoring	1	LS	\$ 33,019.00
15.17	Biological survey	1	LS	\$ 19,708.00
	Subtotal	1	LS	\$ 1,273,067.00
16.	Nimitz Hill Waterline and PRSV			
16.1	Potholing	1	LS	\$ 36,605.00
16.2	Traffic control	1	LS	\$ 260,958.00
16.3	Abandonment of pipe	1	LS	\$ 8,967.00
16.4	Vault	1	LS	\$ 276,379.00
16.5	Vents	1	LS	\$ 75,395.00
16.6	6" PRSV	1	LS	\$ 22,696.00
16.7	Piping and connections	1	LS	\$ 145,897.00
16.8	Waterline replacement	1	LS	\$ 1,747,252.00
16.9	Service and waterline connection	1	LS	\$ 61,205.00
16.10	Commissioning/demonstration	1	LS	\$ 19,708.00
16.11	Site and pavement restoration	1	LS	\$ 980,437.00
16.12	Site survey for PRSV	1	LS	\$ 17,737.00
16.13	Archaeological monitoring	1	LS	\$ 105,839.00
16.14	Biological survey	1	LS	\$ 41,387.00
	Subtotal	1	LS	\$ 3,800,462.00

Item No.	Description	Quantity	Unit	Extended Amount
17.	Latte Height PRSV			
17.1	Potholing	1	LS	\$ 8,410.00
17.2	Traffic control	1	LS	\$ 18,131.00
17.3	Infill wall	1	LS	\$ 11,274.00
17.4	Piping and connections	1	LS	\$ 106,705.00
17.5	8" PRSV	1	LS	\$ 23,473.00
17.6	8" meter	1	LS	\$ 18,110.00
17.7	Electrical system	1	LS	\$ 89,537.00
17.8	SCADA, instrumentation and controls	1	LS	\$ 192,787.00
17.9	Fiber optic connection	1	LS	\$ 338,003.00
17.10	Commissioning/demonstration	1	LS	\$ 17,737.00
17.11	Site and pavement restoration	1	LS	\$ 604.00
17.12	Valve vault hatch replacement	1	LS	\$ 23,649.00
17.13	Fence fabric and gate replacement	1	LS	\$ 67,794.00
17.14	ACP disposal	1	LS	\$ 8,869.00
17.15	Site survey	1	LS	\$ 12,810.00
17.16	Archaeological monitoring	1	LS	\$ 52,854.00
17.17	Biological survey	1	LS	\$ 23,649.00
	Subtotal	1	LS	\$ 1,014,396.00
18.	Hawaiian Rock PRSV			
18.1	Potholing	1	LS	\$ 31,715.00
18.2	Traffic control	1	LS	\$ 26,920.00
18.3	Abandonment of pipe	1	LS	\$ 7,489.00
18.4	Vault	1	LS	\$ 260,955.00
18.5	Vents	1	LS	\$ 77,356.00
18.6	16" PRSV	1	LS	\$ 65,002.00
18.7	16" meter	1	LS	\$ 33,191.00
18.8	Piping and connections	1	LS	\$ 493,121.00
18.9	Electrical system	1	LS	\$ 190,057.00
18.10	SCADA, instrumentation and controls	1	LS	\$ 248,133.00
18.11	Fiber optic connection	1	LS	\$ 283,784.00
18.12	Fencing	1	LS	\$ 14,466.00
18.13	Commissioning/demonstration	1	LS	\$ 22,664.00
18.14	Site and pavement restoration	1	LS	\$ 75,783.00
18.15	Site survey	1	LS	\$ 6,898.00
18.16	Archaeological monitoring	1	LS	\$ 33,019.00
	Subtotal	1	LS	\$ 1,870,553.00

Item No.	Description	Quantity	Unit	Extended Amount
19.	Mangilao Tanks Meter Vault			
19.1	Potholing	1	LS	\$ 52,854.00
19.2	Traffic control	1	LS	\$ 11,438.00
19.3	Check valve vault	1	LS	\$ 90,696.00
19.4	Meter vault	1	LS	\$ 140,497.00
19.5	Vents	1	LS	\$ 128,769.00
19.6	12" check valve	1	LS	\$ 10,112.00
19.7	10" meter	1	LS	\$ 27,238.00
19.8	12" meter	1	LS	\$ 32,938.00
19.9	Level control valve and piping	1	LS	\$ 58,368.00
19.10	Sensing line	1	LS	\$ 10,061.00
19.11	Outlet pipe connections to tanks	1	LS	\$ 20,034.00
19.12	Piping and connections	1	LS	\$ 733,309.00
19.13	Control building	1	LS	\$ 82,510.00
19.14	Electrical system	1	LS	\$ 565,990.00
19.15	SCADA, instrumentation and controls	1	LS	\$ 202,228.00
19.16	Commissioning/demonstration	1	LS	\$ 32,518.00
19.17	Site and pavement restoration	1	LS	\$ 33,921.00
19.18	Site survey	1	LS	\$ 12,810.00
19.19	Archaeological monitoring	1	LS	\$ 73,317.00
19.20	Biological survey	1	LS	\$ 35,474.00
	Subtotal	1	LS	\$ 2,355,082.00
20.	Volcano PRSV:			
20.1	Potholing	1	LS	\$ 12,427.00
20.2	Traffic control	1	LS	\$ 6,211.00
20.3	Abandonment of pipe	1	LS	\$ 15,781.00
20.4	Vault	1	LS	\$ 195,749.00
20.5	Vents	1	LS	\$ 73,092.00
20.6	8" PRSV	1	LS	\$ 15,108.00
20.7	8" meter	1	LS	\$ 23,431.00
20.8	Piping and connections	1	LS	\$ 213,488.00
20.9	Electrical system	1	LS	\$ 192,668.00
20.10	SCADA, instrumentation and controls	1	LS	\$ 256,175.00
20.11	Fencing	1	LS	\$ 13,776.00
20.12	Commissioning/demonstration	1	LS	\$ 13,796.00
20.13	Site and pavement restoration	1	LS	\$ 36,746.00
20.14	Site survey	1	LS	\$ 6,898.00
20.15	Archaeological monitoring	1	LS	\$ 23,842.00
20.16	Biological survey	1	LS	\$ 19,708.00
	Subtotal	1	LS	\$ 1,118,896.00

Item No.	Description	Quantity	Unit	Extended Amount
21.	Pago Bay PRSV			
21.1	Potholing	1	LS	\$ 11,870.00
21.3	Traffic control	1	LS	\$ 17,843.00
21.2	Abandonment of pipe	1	LS	\$ 23,270.00
21.4	Vault	1	LS	\$ 206,995.00
21.5	Vents	1	LS	\$ 73,328.00
21.6	16" PRSV	1	LS	\$ 69,929.00
21.7	16" meter	1	LS	\$ 37,132.00
21.8	Piping and connections	1	LS	\$ 316,802.00
21.9	Electrical system	1	LS	\$ 123,846.00
21.10	SCADA, instrumentation and controls	1	LS	\$ 206,160.00
21.11	Commissioning/demonstration	1	LS	\$ 17,737.00
21.12	Site and pavement restoration	1	LS	\$ 66,238.00
21.13	Site survey	1	LS	\$ 6,898.00
21.14	Archaeological monitoring	1	LS	\$ 30,844.00
21.15	Biological survey	1	LS	\$ 20,693.00
	Subtotal	1	LS	\$ 1,229,585.00

Table A Base Bid Subtotal \$ 23,242,777.00

TOTAL BASE BID PRICE FOR THE BID SCHEDULE

For the lump sum of

\$ 23,242,777.00
(Price in Figures)

Twenty Three Million, Two Hundred Forty Two Thousand, Seven Hundred Seventy Seven Dollars and No Cents
(Price in Words)

This Contract will be awarded to the lowest responsive and responsible bidder based on the total Base Bid Schedule. Determination of the lowest responsive and responsible bidder will be in accordance with the provisions of the Bid Documents.