

General Info

Number: 690444-100000, Contract No. 972, TSS #170.3
Description: O'Shaughnessy Hydro Turbine Facility Improvements
Deadline: 2020-07-29 19:00:00 UTC

Bids

Business	Bid Total	Submitted at	Signed by	Opened at
Gracon, LLC	\$15,281,800.00	2020-07-29 18	Matthew Hannah	2020-07-29 19:06:51 UTC

ORD #2687-2020, Division of Water
O'Shaughnessy Hydro Turbine Facility Improvements
690444-100000, Contract 972, TSS #170.3
Bid Tabulation, Opened 7/29/20
Eng. Est.: \$12,241,964.00

NOTICE - Prices below were obtained by direct negotiations with bidder. Substantial changes were made during the negotiations to both commercial terms and technical specifications. The pricing was obtained on 10/28/2020

Gracon, LLC

Ref. #	Item #	Description	Qty.	Units	Unit Price	Extension
1	1	General Construction – Mobilize, demobilize, dewater and re-water units, disassemble existing items, install new and refurbished equipment, perform signature tests before the start of dismantling and after commissioning, perform functional field tests of all supplied items and their interfaces with other items and perform all other work specified in Section 01720, or elsewhere herein and perform all other work as specified and described in the contract documents, except work included in the items below.	1	LS	\$ 252,700.00	\$ 252,700.00
2	2	Demolition – Removal, and disposal of existing facilities and performance of all other work specified in Section 02050 and shown on the Drawings.	1	LS	\$ 975,800.00	\$ 975,800.00
3	3	Turbines – Provide two overhauled S-tube turbines with components refurbished and/or replaced, and shop tested as necessary, as specified in Section 15610 and shown on the Drawings.	1	LS	\$ 3,172,500.00	\$ 3,172,500.00
4	4	Governing and Lubrication Systems – Two new digital solid state “PID” electro-hydraulic type governing systems and two new lubrication oil systems to be designed, detailed, fabricated, shop tested, delivered as specified in Sections 15610, 15620 and 15630 and shown on the Drawings.	1	LS	\$ 1,168,000.00	\$ 1,168,000.00
5	5	Generators – Rehabilitation and life extension of the generators, brushless exciters, generator terminal cabinet and its contents, and other work as specified in Section 16990 and shown on the Drawings.	1	LS	\$ 785,900.00	\$ 785,900.00
6	6	Plant Controls System – Provision of new plant control system as specified in Sections 16900, 16901, 16902, 16903, 16910, 16920, 16930, 16931, and 16945, and as shown on the Drawings.	1	LS	\$ 1,044,100.00	\$ 1,044,100.00
7	7	Piping – Replacement of exposed cooling water, governor oil and lubrication oil piping systems, including all piping and instrumentation, and inspection of buried cooling water piping, as specified in Sections 10400, 15052, 15064, 15068, 15100, 15121, 15140, and 15992, and shown on the Drawings.	1	LS	\$ 377,800.00	\$ 377,800.00

Ref. #	Item #	Description	Qty.	Units	Unit Price	Extension
8	8	Plant Equipment – Overhaul or replacement of plant equipment including switchgear, plant control system, 125 VDC battery and charger, intake gate house water level sensors, downstream stop logs, powerhouse security, powerhouse cosmetics, and appurtenances, all designed, detailed, furnished, delivered, installed and tested complete in accordance with these Contract Documents including Sections 02830, 03600, 08385, 09900, 15116, 16121, 16124, 16125, 16142, 16195, 16340, 16485, and 16487, and shown on the Drawings.	1	LS	\$ 3,605,000.00	\$ 3,605,000.00
9	9	Spare Parts, as listed in Sections 15100, 15116, 15121, 15610, 15620, 15630, 16900, 16910, and 16990.	1	LS	\$ 627,500.00	\$ 627,500.00
10	10	SCADA Engineering Support and Programming Services (Section 16900)	1	LS	\$ 75,000.00	\$ 75,000.00
11	11	Project Contingency (20% of the total of Items 1 through 10)	1	LS	\$ 2,412,500.00	\$ 2,412,500.00
12	12	Add'l work if-auth. for Removal and Disposal of Existing Unit 1 Upstream Nose Cone and Supply and Install New Upstream Nose Cone. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 23,500.00	\$ 23,500.00
13	13	Add'l work if-auth. for Removal and Disposal of Existing Unit 2 Upstream Nose Cone and Supply and Install New Upstream Nose Cone. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 51,400.00	\$ 51,400.00
14	14	Add'l work if-auth. for Removal and Disposal of Existing Unit 1 Turbine Combined Bearing, and Supply and Install New Turbine Combined Bearing. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 16,900.00	\$ 16,900.00
15	15	Add'l work if-auth. for Removal and Disposal of Existing Unit 2 Turbine Combined Bearing, and Supply and Install New Turbine Combined Bearing. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 42,400.00	\$ 42,400.00
16	16	Add'l work if-auth. for Removal and Disposal of Existing Unit 1 Downstream Turbine Guide Bearing, and Supply and Install New Downstream Turbine Guide Bearing. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 10,600.00	\$ 10,600.00
17	17	Add'l work if-auth. for Removal and Disposal of Existing Unit 2 Downstream Turbine Guide Bearing, and Supply and Install New Downstream Turbine Guide Bearing. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 27,500.00	\$ 27,500.00
18	18	Add'l work if-auth. for Removal and Disposal of Existing Unit 1 Generator Drive End Guide Bearing, and Supply and Install New Generator Drive End Guide Bearing. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 5,600.00	\$ 5,600.00
19	19	Add'l work if-auth. for Removal and Disposal of Existing Unit 2 Generator Drive End Guide Bearing, and Supply and Install New Generator Drive End Guide Bearing. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 32,900.00	\$ 32,900.00

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Ref. #	Item #	Description	Qty.	Units	Unit Price	Extension
20	20	Add'l work if-auth. for Removal and Disposal of Existing Unit 1 Generator Non-Drive End Guide Bearing, and Supply and Install New Generator Non-Drive End Guide Bearing. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 5,800.00	\$ 5,800.00
21	21	Add'l work if-auth. for Removal and Disposal of Existing Unit 2 Generator Non-Drive End Guide Bearing, and Supply and Install New Generator Non-Drive End Guide Bearing. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 26,900.00	\$ 26,900.00
22	22	Add'l work if-auth. for Removal and Disposal of Existing Unit 1 Brake Rotor, and Supply and Install New Brake Rotor. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 21,400.00	\$ 21,400.00
23	23	Add'l work if-auth. for Removal and Disposal of Existing Unit 2 Brake Rotor, and Supply and Install New Brake Rotor. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 28,100.00	\$ 28,100.00
24	24	Add'l work if-auth. for Removal and Disposal of Existing Unit 1 Brake Caliper, and Supply and Install New Brake Caliper. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 21,400.00	\$ 21,400.00
25	25	Add'l work if-auth. for Removal and Disposal of Existing Unit 2 Brake Caliper, and Supply and Install New Brake Caliper. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 28,100.00	\$ 28,100.00
26	26	Add'l work if-auth. for Removal, Replacement of wire wound pole coil, testing and Reinstallation for one pole of Unit 1 Rotor Poles. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 10,400.00	\$ 10,400.00
27	27	Add'l work if-auth. for Removal, Replacement of wire wound pole coil, testing and Reinstallation of one pole for Unit 2. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 17,600.00	\$ 17,600.00
28	28	Add'l work if-auth. to Remove and Refurbish the Existing Unit 1 Generator Foundation Sole plates, and Reinstall with Proper Alignment, Concrete Embedment and Grouting. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 25,200.00	\$ 25,200.00
29	29	Add'l work if-auth. to Remove and Dispose of Existing Unit 1 Generator Foundation Sole plates, and Supply and Install with Proper Alignment, Concrete Embedment and Grouting a New Unit 1 Generator Foundation Sole plates. Base work only assumes reconditioning and reusing this item.	1	LS	\$ 31,100.00	\$ 31,100.00

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Ref. #	Item #	Description	Qty.	Units	Unit Price	Extension	
30	30	Add'l work if-auth. to Remove and Dispose of Existing Unit 2 Generator Foundation Base, and Supply and Install with Proper Alignment, Concrete Embedment and Grouting a New Unit 2 Generator Foundation Base. Base work only assumes removing, reconditioning, reusing, aligning, and regrouting this item.	1	LS	\$ 68,000.00	\$ 68,000.00	
31	31	Lead Paint Removal and Disposal	100	Sqft	\$ 507.00	\$ 50,700.00	
32	32	Nonfriable Asbestos Removal and Disposal	100	Lbs	\$ 203.00	\$ 20,300.00	
33	33	One Add'l unplanned Demobilization and Remobilization	1	LS	\$ 60,200.00	\$ 60,200.00	
34	34	Water Passage Steel Liner Sounding (Section 15610, Paragraphs 2.03.C, 2.03.D, and 2.03.E)	100	Sqft	\$ 55.00	\$ 5,500.00	
35	35	Grouting Behind Water Passage Steel Liner (Section 15610, Paragraphs 2.03.C, 2.03.D, and 2.03.E)	100	Cuft	\$ 337.00	\$ 33,700.00	
36	36	Repair of Indications Including But Not Limited to Cracks, Porosities, and Voids. Labor and Material for one 8-hr shift. (Section 15610, Paragraphs 2.03.C, 2.03.D, and 2.03.E)	1	LS	\$ 3,300.00	\$ 3,300.00	
37	37	NEW ITEM FROM NEGOTIATIONS - Amount included for travel and lodging expenses for City and DP staf traveling for factory witness testing. None is included above	1	LS	\$ 50,000.00	\$ 50,000.00	
38	38	NEW ITEM FROM NEGOTIATIONS - amount included for contractor paid utilities at work site. None is included above.			\$ 1,000.00	\$ 1,000.00	
39	39	NEW ITEM FROM NEGOTIATIONS - Perform Hydraulic trabsient analysis as described in specification. None is included above.			\$ 40,000.00	\$ 40,000.00	
40	40	NEW ITEM FROM NEGOTIATIONS - premium for negotiated builders risk insurance. None is included above. This premium passed to City without markup.			\$ 25,500.00	\$ 25,500.00	
					Total:	\$15,281,800.00	
			% DIFFERENCE FROM ENG'S EST.:			24.83%	
			Contract Compliance No.			47-1489569 (3/24/22, MAJ, 31810)	