

BID SPECIFICATIONS

FOR

DG HUNTER UNITS 5-11
SPARE PARTS
ELECTRIC PRODUCTION
(2024 PACKAGE)

CITY OF ALEXANDRIA
(OWNER)

MAYOR
JACQUES M. ROY

COUNCIL MEMBERS
JAMES "JIM" VILLARD
LEE RUBIN
REDDEX WASHINGTON
GARY JOHNSON
CYNTHIA PERRY
LIZZIE FELTER
CHARLES L. "CHUCK" FOWLER, JR.

CITY CLERK
DONNA JONES

DIRECTOR OF UTILITIES
MARCUS CONNELLA

SEPTEMBER 2024



PAN AMERICAN ENGINEERS, LLC
P.O. BOX 8599 (71306)
1717 JACKSON STREET (71301)
ALEXANDRIA, LOUISIANA
(318)473-2100
PAE Job No. 13210

CITY OF ALEXANDRIA
DG HUNTER UNITS 5-11
SPARE PARTS
ELECTRIC PRODUCTION

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CITY OF ALEXANDRIA
DG HUNTER UNITS 5-11
SPARE PARTS
ELECTRIC PRODUCTION

I. ADVERTISEMENT

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11-SPARE PARTS-ELECTRIC PRODUCTION

ADVERTISEMENT FOR BID

CITY OF ALEXANDRIA, LOUISIANA
PURCHASING DEPARTMENT

**BID # 2504 DG HUNTER UNITS 5-11 – SPARE PARTS – ELECTRICAL PRODUCTION
(2024 PACKAGE)**

Separate sealed bids for DG HUNTER UNITS 5-11 – SPARE PARTS, will be received by the CITY OF ALEXANDRIA at the CITY COUNCIL MEETING CHAMBERS, ALEXANDRIA CITY HALL, ALEXANDRIA, LOUISIANA, until 10:00 AM CST CDT, TUESDAY, NOVEMBER 12, 2024, and then at said office publically opened and read aloud.

Complete bid packet, bid specifications may be obtained at the City of Alexandria’s website, www.cityofalexandrialala.com under the heading “Business”, and drop down to “RFP/RFQ/RFI/BIDS”. There is no charge to download bid documents from the City’s website.

Pursuant to LA R.S. 38:2212.1 B.(4)(a), vendors have the option to submit their bids electronically. Please find bid related documents and place electronic bids at www.centralbidding.com. For questions regarding the electronic bidding process, please call Central Bidding at 225-810-4814.

Questions and/or request for clarification of bid specifications are to be in written form only, either mailed or emailed to Thomas C. David, Jr., Pan American Engineers, 1717 Jackson Street, Alexandria, LA 71301; Emailed to: Tom@paealex.com and must be received within ten (10) calendar days of the scheduled receipt of bids.

Address for Postal Delivery:

City of Alexandria
Donna Jones, City Clerk
PO Box 71
Alexandria, LA 71309-0071

**Address for Courier or
Overnight Delivery:**

City of Alexandria
Donna Jones, City Clerk
915 Third Street, 1st Floor
Alexandria, LA 71301
Phone: 318-449-5047

**Address for Electronic
Bid Submission:**

www.centralbidding.com
Phone: 225-810-4814

PLEASE PUBLISH THREE (3) TIMES:

Friday, October 4, 2024
Friday, October 11, 2024
Friday, October 18, 2024

CITY OF ALEXANDRIA

DG HUNTER UNITS 5-11
SPARE PARTS
ELECTRIC PRODUCTION

II. BID COVER SHEET

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
 DG HUNTER UNITS 5-11 – SPARE PARTS – ELECTRIC PRODUCTIONS



Wilma Kelly
 Purchasing Manager

City of Alexandria
 Purchasing Department
 P. O. Box 71
 Alexandria, Louisiana
 71309-0071



Office: (318) 441-6180
 Fax: (318) 441-6185

Sealed bids will be received until **10:00 AM, Tuesday, November 12, 2024**, and publicly opened in the Council Chambers or Council Committee Room.

City of Alexandria Bid # **2504**
 Page: 1 of 28 & Appendix A
 Date Specifications Prepared: 10/7/2024

Bid Bond Requirements: A bid bond or check for N/A% of the total amount of bid.

Please file bid with the following:
Donna Jones, City Clerk
 City of Alexandria
 915 Third Street
 P. O. Box 71
 Alexandria, LA 71309-0071
 Phone: 318-449-5047

Performance Bond Requirements: In the event bid is accepted, a performance bond shall be required in the amount of N/A%.

INTRODUCTION

DG HUNTER UNITS 5-11 – SPARE PARTS – ELECTRIC PRODUCTION
(2024 PACKAGE)

It is the intent of the City of Alexandria to secure pricing on Spare Parts, for use by the City of Alexandria Electric Production Department for the Wartsila 20V34SG Reciprocating Internal Combustion Engines/Generators related ancillary parts. Said material is to be inventoried by the City of Alexandria Electric Production Department. Quantities given are estimated and not guaranteed. All products shall be new and of current manufacture.

Completed bid should be returned as issued by the City of Alexandria with ALL PAGES intact and all columns filled in. Incomplete columns or missing pages, to include addendum pages, may result in the bidder's (or proposer's) entire bid being rejected.

Questions and/or clarifications of bid specifications must be submitted in written form only, either mailed, faxed, or e-mailed to the attention of Thomas C. David, Jr., Pan American Engineers, 1717 Jackson Street, Alexandria, LA 71301; Email: tom@paealex.com and must be received within 10 calendar days of the scheduled receipt of bids.

Bidder Information:

Company Name: _____
 Address: _____
 City/State/Zip: _____
 Telephone #: () _____ Fax #: () _____
 Authorized Printed Name and Title: _____
 Authorized Signature: _____

CITY OF ALEXANDRIA
DG HUNTER UNITS 5-11
SPARE PARTS
ELECTRIC PRODUCTION

III. GENERAL CONDITIONS
FOR BIDDERS

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

III. GENERAL CONDITIONS FOR BIDDERS
PLEASE READ CAREFULLY

1. Pursuant to LA R.S 38:2212.1. C.(1)(2), any manufacturer's preference in this proposal is descriptive, but non-restrictive, and is used only to indicate minimum requirement for type, grade and quality unless otherwise specified.
2. Pursuant to LA R.S. 38:2212 B.(1), the provisions and requirement of this bid shall not be considered as informalities and shall not be waived by the City of Alexandria. Therefore, conditions and specifications on this bid form shall be strictly enforced and any and all alterations, deviations, and non-compliance to said conditions and specifications, either on the bid form or by separate attachment, shall be grounds for immediate disqualification.
3. Each bidder shall submit his proposal on the proposal form furnished by the City of Alexandria Purchasing Department. The complete bid package for this procurement includes II. Bid Cover Sheet; III. General Conditions for Bidders; and IV. Bid Form. The complete bid package must be returned as issued by the City with all pages intact and all specification response columns filled in. Incomplete columns or missing pages, to include addendum pages, shall result in the vendor's entire bid package being rejected.
4. Pursuant to LA R.S. 38:2212 F., the bid specifications contemplate a fixed escalation or de-escalation in accordance with the United States Bureau of Labor Statistic's Consumer Price Index.
5. By mutual consent, the City and the Contractor shall have the option to renew the contract two (2) additional one (1) year contract term.
 - (a) Prior to the completion of each exercised contract term, the City may consider an adjustment to price based on changes in the following pricing index: Department of Labor, Bureau of Statistics (<http://www.bls.gov>), Construction Cost Index.
 - (b) It is the Contractor's responsibility to request any pricing adjustment in writing under this provision. The Contractor's written request for adjustment should be submitted in thirty (30) calendar days prior to the expiration of the then current contract term. The vendor adjustment request must clearly substantiate the requested increase. The written request for adjustment should not be in excess of the relevant pricing index change. If no adjustment request is received from the vendor, the City will assume that the vendor has agreed that the optional term may be exercised without pricing adjustment. Any adjustment request received after the commencement of a new option period shall not be considered.
 - (c) The City reserves the right to reject any written price adjustments submitted by the Contractor and to not exercise any otherwise available option period based on such price adjustments. Continuation of the contract beyond the initial period, and any option subsequently exercised, is a City prerogative, and not a right of the Contractor. This prerogative will be exercised only when such continuation is clearly in the best interest of the City.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

General Conditions for Bidders - Please Read Carefully (Continued)

6. The City of Alexandria reserves the right to award by item as specified in the bid specifications.
7. All erasures or corrections on the bid form must be initialed and the City of Alexandria may rely on the apparent authority represented by the initials.
8. The City of Alexandria reserves the right to reject for cause any and all bids or parts of bids, or accept bids most beneficial to the City.
9. Any bid submitted which contains additions, conditional or alternate bids, or irregularities which may make the proposal incomplete, indefinite, or ambiguous as to its meaning, thus requiring clarification after the specified date and time of bid opening shall be rejected.
10. Bids shall be opened publicly in the City Council Chambers.
11. Cash discounts may be accepted, but SHALL NOT be considered in making award.
12. Regarding a bid for purchase of materials, supplies or services, not to include construction of any public works, a written notice of acceptance mailed or otherwise furnished to the successful bidder shall result in a binding contract without further action by either party.
13. The City of Alexandria is exempt from all sales taxes. A sales tax exempt form shall be furnished by the City of Alexandria Purchasing Department, if requested.
14. Bidder(s) awarded item(s) by the City of Alexandria shall be responsible for supplying all products at the awarded price(s). Failure may result in the City's cancellation of the remaining items awarded.
15. Regarding Service Contracts and Procurement Contracts, the terms of the contract shall be binding upon any and all parties involved until goods and supplies are delivered, services have been rendered, and/or work has been completed and accepted by the Mayor on behalf of the City of Alexandria and all payments required to be made to the Contractor have been made. However, a contract may be terminated under any and all of the following conditions:
 - (a) By mutual agreement and consent of either party upon thirty (30) days written notice to the other party;
 - (b) By the Mayor, on behalf of the City of Alexandria, as a consequence of the failure of the Contractor to comply with the terms and conditions of the contract or the progress or quality of work to be performed in a satisfactory manner, proper allowance being made for circumstances beyond the control of the Contractor; or
 - (c) By satisfactory completion of all services and obligations described in the contract.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

General Conditions for Bidders - Please Read Carefully (Continued)

- (d) If the contract is terminated for any of the terms and conditions authorized in subparagraph (b) above, Contractor shall be formally notified in writing by the City of Alexandria Purchasing Department by means of certified mail informing him of cancellation of the contract, giving specific reasons for said cancellation. Contractor shall have the right to appeal to the City Council within ten (10) days from the date that said notification is placed in the U.S. Mail. Contractor's appeal shall be accomplished by means of a letter addressed to the City Council and delivered to the City Clerk, stating that an appeal to the decision of cancellation is desired. The City Council shall thereafter hold a hearing on the appeal, giving all parties the opportunity to present any and all evidence concerning the decision of cancellation. After hearing the appeal, the City Council may, by a majority vote, sustain, modify, or reverse the findings for said decision and shall provide, if requested by Contractor, a written determination of its findings.
16. Part numbers and descriptions are based off of Wartsilä North America Spare Part Catalog. Where Part Numbers are **bold**, the Bid List implies the whole unit.
17. If Bidder is not able to provide a price for a certain Spare Part, Bidder shall denote such by writing "N/A" in the "Unit Cost" Column of the Bid Form.
18. Prices SHALL NOT include freight costs or DDP-Hub/U.S. Duties; only goods. All freight and DDP-HUB/ U.S. Duties charges will be determined on an order-by-order basis, dependent on the volume and weight of the particular spare parts order; with shipping charges mutually agreed upon prior to processing Purchase Order. Anticipate all shipments to the City of Alexandria Electric Production Department at 1011 N Third Street, Alexandria, LA 71303, unless otherwise directed by the City.
19. Prices are US Dollars as of the date of Bid Submission and subject to exchange rate modifications as noted herein.
20. Bids will be awarded by specific item.
21. Exchange Rate: All amounts payable and calculations under this Agreement shall be in United States dollars. Where amounts payable or calculated under this Agreement are in a currency other than United States dollars, conversion of such amounts to United States dollars shall be made at the conversion rate as reported in the Wall Street Journal on the last working day of the applicable calendar month. Such payments shall be without deduction of exchange, collection or other charges.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

General Conditions for Bidders - Please Read Carefully (Continued)

22. Price Adjustments: The Unit Cost for each item shall be automatically adjusted on an on-going basis based on the exchange rate as described above without further action on the part of the parties.

The Unit Cost for each Bid Item for each Purchase Order shall be determined as follows:

$$UC = \frac{(BP * BER)}{ER}$$

Where,

UC = Unit Cost for the Line Item for the current Purchase Order in United States Dollars;

ER = Exchange Rate for converting United States Dollars to the applicable foreign currency as reported in the Wall Street Journal on the last working day of the most recent calendar month as of the date of the Purchase Order;

BP = Bid Price for the Line Item in United States Dollars; and

BER = Base Exchange Rate for converting United States Dollars to the applicable currency as reported in the Wall Street Journal as of the Bid Date.

If Contractor wishes to have the price adjusted based on an Exchange Rate, the Contractor must indicate the foreign currency the price adjustment will be based on here:

(British Pound, Euro, etc.)

IV. BID FORM

Note: Prospective Bidders may request the Bid Form in an electronic fillable form format by contacting Tom@paealex.com. Handwritten pricing on the Bid Form is also acceptable.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
1	100	Supplier recommended safety spare parts	1	
2	75204	Heating Element 54KW	1	
3	77682	Heating Element 27KW	1	
4	100003	Antipolishing ring	1	
5	100015	O-ring	1	
6	100023	O-ring	1	
7	100110	Cylinder liner	1	
8	100113	O-ring	1	
9	100142	sealing set	1	
10	100341	Thrust bearing kit	1	
11	100342	Main bearing kit	1	
12	107187	Starting Air Distributor	1	
13	107188	Screw	1	
14	107192	Pipe	1	
15	107193	Pipe	1	
16	107194	Pipe	1	
17	107195	Pipe	1	
18	107196	Pipe	1	
19	107197	Pipe	1	
20	107207	Bracket	1	
21	107208	Pipe	1	
22	107209	Pipe Union	1	

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Bid Item No.	Part No.	Description	QTY	Unit Cost
23	107210	Screw	1	
24	107211	Pipe Clamp	1	
25	107217	Distribution Piece	1	
26	107218	Screw	1	
27	107219	Screw	1	
28	107220	Pipe Union	1	
29	107221	Sealing Washer	1	
30	107231	Pipe	1	
31	107232	Pipe	1	
32	107233	Pipe	1	
33	107284	Pipe Union	1	
34	107286	Bracket	1	
35	107292	Pipe Union	1	
36	107462	Pipe	1	
37	111004	Screw	1	
38	111005	Big end bearing shell, lower	1	
39	111006	Big end bearing shell, upper	1	
40	111010	Connecting rod, lower part	1	
41	111011	Connecting rod, upper part	1	
42	111012	Screw	1	
43	111015	Shim	1	
44	111016	Bearing Kit	1	

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Bid Item No.	Part No.	Description	QTY	Unit Cost
45	113001	Piston	1	
46	113009	Securing ring	1	
47	113010	Gudgeon Pin	1	
48	113012	Piston ring set	1	
49	120001	Cylinder Heat Complete	1	
50	120012	Gasket	1	
51	120013	Valve Guide	1	
52	120015	Sealing set for cylinder heard replacement	1	
53	120017	O-Ring (Exh seat) High temp (MN:PAAE16)	1	
54	120021	Seat ring for inlet valve	1	
55	120022	Seat ring for outlet valve	1	
56	120054	Sealing set for cylinder head overhaul	1	
57	120095	Ignition Coil	1	
58	120096	Pipe	1	
59	120097	Sealing Brush	1	
60	120098	Flange	1	
61	120099	O-Ring	1	
62	120100	O-Ring	1	
63	120101	Screw	1	
64	121001	Exhaust valve, complete	1	
65	121003	Valve Rotator	1	
66	121004	Valve Spring	1	

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Bid Item No.	Part No.	Description	QTY	Unit Cost
67	121006	Exhaust Valve	1	
68	121007	Inlet valve, complete	1	
69	121012	Inlet valve	1	
70	123001	Starting valve	1	
71	123021	Sealing set (starting air valve)	1	
72	124001	Square Part Kit for Ignition Coil	1	
73	124002	Spark Plug	1	
74	124025	Pre Chamber Control Valve Yoke	1	
75	124026	Pre Chamber Control Valve Seat	1	
76	124028	Pre Chamber Control Valve	1	
77	124029	Pre Chamber Control Valve Rod	1	
78	124032	Pre Chamber Control Valve Guide	1	
79	124034	Pre Chamber Control Valve Yoke	1	
80	124043	Sealing set	1	
81	124044	Prechamber Control valve	1	
82	124047	Prechamber, lower part	1	
83	124066	Spare part kit	1	
84	145001	Push rod	1	
85	145018	Valve tappet	1	
86	145031	O-ring	1	
87	156161	O-ring	1	
88	156316	Rotor, compl.	1	

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Bid Item No.	Part No.	Description	QTY	Unit Cost
89	156383	Spare Part set	1	
90	156500	O-Ring	1	
91	156501	O-Ring	1	
92	156997	Blanking plate	1	
93	164025	Main gas admission valve	1	
94	164076	Filter (For Gas admission valve)	1	
95	164089	Spare part set	1	
96	164125	Catridge Set (Gas Admission Valve)	1	
97	181001	Lubricating Oil Pump	1	
98	181005	Drive Shaft for Lubricating Oil Pump	1	
99	181010	Drive Shaft for Lubricating Oil Pump	1	
100	181011	Cover for Lubricating Oil Pump	1	
101	181013	Screw for Lubricating Oil Pump	1	
102	181020	Piston for Lubricating Oil Pump	1	
103	181021	Compression Spring for Lubricating Oil Pump	1	
104	181022	Spring Holder for Lubricating Oil Pump	1	
105	181023	O-Ring for Lubricating Oil Pump	1	
106	181025	Screw for Lubricating Oil Pump	1	
107	181026	Nut for Lubricating Oil Pump	1	
108	181058	Screw for Lubricating Oil Pump	1	
109	181059	Sealing Ring for Lubricating Oil Pump	1	
110	181060	Valve cone for Lubricating Oil Pump	1	

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Bid Item No.	Part No.	Description	QTY	Unit Cost
111	181061	Cylindrical pin for Lubricating Oil Pump	1	
112	181062	Valve Sleeve for Lubricating Oil Pump	1	
113	181063	O-Ring for Lubricating Oil Pump	1	
114	181064	Non-return valve for Lubricating Oil Pump	1	
115	181065	Circlip for Lubricating Oil Pump	1	
116	181066	Circlip for Lubricating Oil Pump	1	
117	181067	Circlip for Lubricating Oil Pump	1	
118	181068	Spacer Ring for Lubricating Oil Pump	1	
119	181069	Ball bearing for Lubricating Oil Pump	1	
120	181070	Threaded Pin for Lubricating Oil Pump	1	
121	181072	Non-return valve for Lubricating Oil Pump	1	
122	181073	Gasket for Lubricating Oil Pump	1	
123	181075	Threaded Pin for Lubricating Oil Pump	1	
124	181076	Gasket for Lubricating Oil Pump	1	
125	181077	Service Kit for Lubricating Oil Pump	1	
126	181078	Valve Kit for Lubricating Oil Pump	1	
127	181079	Spindle set for Lubricating Oil Pump	1	
128	181364	O-Ring	1	
129	182016	Screw	1	
130	182017	Flexible coupling	1	
131	182018	Prelubricating oil pump	1	
132	182020	Key for Prelubricating Oil Pump	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
133	182023	Seal for Prelubricating Oil Pump	1	
134	182024	Pin for Prelubricating Oil Pump	1	
135	182025	Gear Shaft for Prelubricating Oil Pump	1	
136	182026	Drive gear shaft for Prelubricating Oil Pump	1	
137	182027	O-ring for Prelubricating Oil Pump	1	
138	182029	Screw for Prelubricating Oil Pump	1	
139	182038	Bearing bush for Prelubricating Oil Pump	1	
140	182062	Sealing set for Prelubricating Oil Pump	1	
141	182148	Screw	1	
142	182149	Screw	1	
143	182152	Key	1	
144	182164	Cover for Prelubricating oil pump	1	
145	182165	Screw for Prelubricating Oil Pump	1	
146	182166	Retainer ring for Prelubricating Oil Pump	1	
147	182167	Shim ring for Prelubricating Oil Pump	1	
148	183003	Thermostatic element	1	
149	183005	O-ring for Thermostatic Element Assembly	1	
150	183086	Thermostatic Element Assembly	1	
151	183087	Service Kit for Thermostatic Element Assembly	1	
152	183088	O-ring for Thermostatic Element Assembly	1	
153	183089	Retaining ring for Thermostatic Element Assembly	1	
154	191001	HT Water Pump Complete	1	

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DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
155	191002	LT Water Pump Complete	1	
156	191012	Bearing	1	
157	191013	Bearing	1	
158	191051	sealing set	1	
159	191056	Shaft (HT, LT Pumps)	1	
160	200003	Exhaust Pipe	1	
161	200009	Screw	1	
162	200011	nut	1	
163	200017	Screw	1	
164	200020	Distance piece	1	
165	200028	Sealing ring	1	
166	200029	Gasket	1	
167	200076	End flange	1	
168	200079	bellows	1	
169	200081	Bellows	1	
170	200084	screw	1	
171	200085	Nut	1	
172	200334	Positioner	1	
173	200347	Sealing ring	1	
174	202004	Pipe	1	
175	202009	Bellows	1	
176	202053	Screw	1	

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Bid Item No.	Part No.	Description	QTY	Unit Cost
177	202106	Gasket	1	
178	202107	Screw	1	
179	202108	Nut	1	
180	202148	Sealing ring	1	
181	202149	Nut	1	
182	202200	Insulating box	1	
183	202203	Screw	1	
184	202204	Screw	1	
185	202205	Washer	1	
186	202209	Sealing ring	1	
187	202210	Screw	1	
188	202325	Steel sheet	1	
189	202350	Nut	1	
190	202358	Screw	1	
191	205001	Upper protecting panel	1	
192	205022	Cover profile	1	
193	205025	Lower protecting panel	1	
194	205026	Upper protecting panel	1	
195	207926	Positioner pilot valve	1	
196	207927	Spare part kit	1	
197	207992	Butterfly valve	1	
198	211001	Plug for Starting Air Distributor	1	

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Bid Item No.	Part No.	Description	QTY	Unit Cost
199	211003	Housing for Starting Air Distributor	1	
200	211004	Pipe Union for Starting Air Distributor	1	
201	211006	Bush for Starting Air Distributor	1	
202	211007	Slide for Starting Air Distributor	1	
203	211008	Spring for Starting Air Distributor	1	
204	211009	Screw for Starting Air Distributor	1	
205	211010	Plate for Starting Air Distributor	1	
206	211012	Cover for Starting Air Distributor	1	
207	211014	Screw for Starting Air Distributor	1	
208	211016	O-ring for Starting Air Distributor	1	
209	211017	O-ring for Starting Air Distributor	1	
210	211019	O-ring for Starting Air Distributor	1	
211	217048	Main Starting Valve Repair Kit	1	
212	217066	Piston for Main Starting Valve	1	
213	217067	Screw for Main Starting Valve	1	
214	217068	Locking ring for Main Starting Valve	1	
215	217069	Screw for Main Starting Valve	1	
216	217070	Screw for Main Starting Valve	1	
217	217071	Sealing ring for Main Starting Valve	1	
218	217072	Starting valve assembly for Main Starting Valve	1	
219	217073	Plate for Main Starting Valve	1	
220	217074	Disc for Main Starting Valve	1	

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Bid Item No.	Part No.	Description	QTY	Unit Cost
221	217075	Pipe for Main Starting Valve	1	
222	217076	Washer for Main Starting Valve	1	
223	289238	Ball valve	1	
224	289241	Pressure Transmitter	1	
225	289245	Cable gland	1	
226	289276	Pre Chamber Complete	1	
227	289293	Sealing ring	1	
228	352063	Pipe	1	
229	355608	Gasket	1	
230	357017	Main starting valve	1	
231	357134	Pipe clamp	1	
232	357135	Screw	1	
233	357147	Pipe union	1	
234	357274	Screw	1	
235	357279	Pipe	1	
236	357283	Pipe clamp	1	
237	357284	Screw	1	
238	357321	Screw	1	
239	357325	Pipe	1	
240	357326	Pipe	1	
241	357328	Pipe union	1	
242	357365	O-ring	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
243	357439	Distance sleeve	1	
244	357440	Screw	1	
245	357441	Bracket	1	
246	377002	O-ring	1	
247	387006	Glue compound	1	
248	387017	Glue compound	1	
249	387025	Glue Compound	1	
250	387026	Glue Compound	1	
251	387054	Contact Lubrication	1	
252	450013	Filter	1	
253	471056	Lubricating oil filter	1	
254	471063	Filter cartridge	1	
255	471126	Sealing set	1	
256	473001	Centrifugal filter	1	
257	473009	Cac Seal Kit	1	
258	473013	O-ring	1	
259	473014	O-ring	1	
260	473015	O-ring	1	
261	473032	Rotor, compl.	1	
262	473062	Nozzle	1	
263	473063	Cartridge	1	
264	473066	O-ring	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
265	473067	Rotor tube	1	
266	473069	O-ring	1	
267	473071	Rotor subassembly	1	
268	473077	Rotor cover	1	
269	473078	Cone	1	
270	473081	Sealing set	1	
271	473132	Nut	1	
272	473133	Rotor cover	1	
273	473134	Grub screw	1	
274	473135	Spindle	1	
275	473136	Rotor base	1	
276	473137	Pelton wheel	1	
277	473138	Sealing ring	1	
278	474003	Tube stack	1	
279	474007	Gasket	1	
280	474043	Sealing set	1	
281	474045	Housing	1	
282	474046	End flange	1	
283	474052	Screw	1	
284	474056	Screw	1	
285	474059	Screw	1	
286	474077	O-ring	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
287	474083	Flange	1	
288	474104	Valve	1	
289	474116	Support	1	
290	474117	Flange	1	
291	474119	Plug	1	
292	474120	Sealing ring	1	
293	474123	Screw	1	
294	474134	Flange	1	
295	474137	Retainer ring	1	
296	474147	Screw	1	
297	474148	Nut	1	
298	474161	O-ring	1	
299	474162	O-ring	1	
300	474186	Screw	1	
301	474194	Sealing ring	1	
302	474195	Plug	1	
303	476001	Charge air cooler	1	
304	476009	Sealing set for Charge Air Cooler	1	
305	476017	Plug	1	
306	476018	Sealing ring	1	
307	476019	O-ring	1	
308	476020	Cover	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
309	476021	Cover	1	
310	476022	O-ring	1	
311	476023	O-ring	1	
312	476024	Flange	1	
313	476025	Plug	1	
314	476026	Plug	1	
315	476027	Sealing ring	1	
316	476028	Screw	1	
317	476033	Washer	1	
318	476048	Plug	1	
319	476049	Sealing ring	1	
320	476052	Plug	1	
321	476053	Sealing ring	1	
322	476055	Plug	1	
323	501108	Pre Chamber Control Valve Spring	1	
324	504103	Knock sensor	1	
325	504128	Temperature sensor	1	
326	516020	Connecting box	1	
327	516292	Control unit	1	
328	516387	Engine Safety Module	1	
329	516391	Push Button for Connecting Box	1	
330	516393	Switch for Connecting Box	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
331	516495	Power distribution module for Connecting Box	1	
332	516500	Display unit for Connecting Box	1	
333	516521	Guard for Connecting Box	1	
334	516541	Pressure sensor	1	
335	516596	Fuse	1	
336	516597	Fuse	1	
337	516672	Resistor 470 R for Connecting Box	1	
338	516678	Corrosion Protection for Connecting Box	1	
339	516717	Box for connecting box for Connecting Box	1	
340	516947	Connector for Connecting Box	1	
341	652001	Pump	1	
342	800001	Piston ring pliers	1	
343	800002	Pliers for securing ring	1	
344	800007	Lifting tool for cylinder liner	1	
345	800009	Dismantling tool for antipolishing ring	1	
346	800011	spare tips for pliers 800002. 90 degrees	1	
347	800012	Lifting tool for piston	1	
348	800106	spare tips for pliers 800002, straight	1	
349	800201	Fitting tool for Piston	1	
350	800264	Sealing set for hydraulic tightening tool	1	
351	836021	Lifting Device	1	
352	1561001	Distance bush	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
353	1561002	Seal	1	
354	1561019	Compressor Insert	1	
355	1561180	Plug	1	
356	1561184	Nozzle	1	
357	1561188	Nut	1	
358	1561300	Turbocharge short cartridge	1	
359	1561301	Turbocharge short cartridge installation kit	1	
360	1562001	Turbocharge shroud ring	1	
361	1562005	Diffuser	1	
362	1562011	Turbine inlet casing	1	
363	1562012	Clamping ring	1	
364	1562014	Screw	1	
365	1562015	Nut	1	
366	1562019	Pair of lock washers	1	
367	1562020	Screw	1	
368	1562070	Packing Ring	1	
369	1562094	Compressor outlet casing	1	
370	1562102	Shaft and blades, compl.	1	
371	1562108	Impellar	1	
372	1562111	Thrust collar	1	
373	1562148	Turbine inlet casing, compl.	1	
374	1562312	Screw	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
375	1980298	Filter Element for 1.78.1.160.500 DN80	1	
376	3030069	O-Ring for 1.78.1.160.500 DN80	1	
377	3584438	TUBE GS 8.5 - Material No. PAA031447	1	
378	3584441	Rubber Block 8.5 SM50 - Material No. PAAE 049601	1	
379	5071072	Control unit CCM	1	
380	5071249	Liner Temp	1	
381	5071289	Ignition module	1	
382	5071318	Electronic unit IOM	1	
383	9893305	Operational Spare Part Package for AMG 1120 Material No: PAAE178180	1	
384	9460005842	Safety Switch KEM316U/U3/EMC	1	
385	9460065948	Fan Motor W-DA284T-F PAD 480-60 NEMA	1	
386	9460065949	Fan Blade MW1236/5-5/42/PAG/2WL/41,275/9,525/A	1	
387	0100-3L-008-4-X+FBIE+A1133+HMGR+GSSE	Converter VACON0100-3L-0008-4-X-HMGR-FBIE	1	
388	12EB364500003	Service kit for Pump EBARA CDE 120/315	1	
389	131-14	Bellows	1	
390	435510142-30	Ventilation Fan	1	
391	4437-1	Flow Switch	1	
392	592*592*360/6F5	Airbag 592x592x360/6F5	1	
393	6308-C3	6308-C3 Bearing	1	
394	6310-C3	6308-C3 Bearing	1	
395	67111620003-S CV-S-I-LW-RI D	Rupture Disc (Set) CV-S-I-LW-RI DN 1200	1	
396	9AFP300842CACZ-BJA	Supplier recommended safety spare parts Material No: PAAF297175	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
397	9AFP300842CACZ-CFA	Supplier recommended safety spare parts Material No. PAAR297173	1	
398	9AFP300842CACZ-CFC	Supplier recommended safety spare parts Material No: PAAE297174	1	
399	B00032	Service Kit 1	1	
400	B00035	Service Kit 2	1	
401	B00037	Service Kit 4	1	
402	B00055	Fine Filter G5XP4-D	1	
403	Cable for SE528	Cable Set	1	
404	CV321	Solenoid Valve	1	
405	CV331	Solenoid Valve	1	
406	CV519	IP-converter	1	
407	CV947	Solenoid Valve	1	
408	CV957	Solenoid Valve	1	
409	FBLGS-1260-12	Radiator Tube Assembly (Lower Part/Tubes Only; Without Fans, Electric Motors, etc.)	1	
410	FH104	Flexible Hose D28	1	
411	FH108	Flexible Hose DN80	1	
412	FH110	Flexible Hose DN25	1	
413	FH201	Flexible Hose DN32	1	
414	FH213	Rubber Bellow DN40	1	
415	FH214	Rubber Bellow DN40	1	
416	FH311	Flexible Hose OD12	1	
417	FH401	Rubber Bellow DN125	1	
418	FH402	Rubber Bellow DN 125	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
419	FH404	Flexible Hose OD12	1	
420	FH406	Rubber Bellow DN40	1	
421	FH414	Rubber Bellow DN125	1	
422	FH416	Flexible Hose OD12	1	
423	FH451	Rubber Bellow DN125	1	
424	FH4831	Flexible Hose OD12	1	
425	FH4832	Flexible Hose OD12	1	
426	FH501	Exhaust Gas Bellow DN500	1	
427	FH701	Hose for Crankcase Vent Pipe	1	
428	FH708	Flexible Hose for Natural Gas	1	
429	MOD203	Control Valve Assembly (HT 3-Way Valve)	1	
430	NXP02615A2H0 SSFA1A20000CI	Frequency Converter Unit Material No: PAAF109778	1	
431	P00016	Pressure Transmitter	1	
432	PT201	Pressure sensor	1	
433	PT401	Pressure sensor	1	
434	PT471	Pressure sensor, LT water CAC inlet	1	
435	PT5011A	Cylinder Pressure Sensor	1	
436	PT601	Pressure sensor, Charge air engine inlet	1	
437	PT700	Pressure sensor	1	
438	PT901	Pressure sensor, Main gas	1	
439	PT911	Pressure sensor	1	
440	RGX750X0032	Actuator 750 Repair Kit for GX Valve DN50	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
441	SE518	Turbo Sensor	1	
442	SE528	Speed Pick-UP	1	
443	ST173	Speed pick-up	1	
444	ST174	Speed pick-up	1	
445	ST196P	Speed sensor	1	
446	ST196S	Speed sensor	1	
447	ST197P	Speed sensor	1	
448	ST197S	Speed sensor	1	
449	T00025	Temperature Sensor	1	
450	TE201	Temperature sensor	1	
451	TE401	Temperature sensor, HT water engine inlet	1	
452	TE402	Temperature sensor	1	
453	TE432	Temperature sensor	1	
454	TE471	Temperature sensor, LT water CAC inlet	1	
455	TE482	Temperature sensor, LT water LOC inlet	1	
456	TE5011A	Temperature Sensor	1	
457	TE5011A-1	Protection Well	1	
458	TE600	Temperature sensor, Air TC inlet	1	
459	TE7041A	Thermoelement	1	
460	V00082	Spare part set stem seal for ARI FIG valves	1	
461	V00083	Body Gasket for ARI FIG Valves	1	
462	V00086	Spare part set for DP34 actuator	1	

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

Bid Item No.	Part No.	Description	QTY	Unit Cost
463	V00387	Service Kit PTFE Packing Kit for GX Valve DN50	1	
464	V00388	Gasket Set for GX Valve DN25	1	
465	V00391	Body/Bonnet Gasket Kit for GX Valve DN50	1	
466	V00483	Actuator 225 Repair Kit for GX Valve DN25	1	
467	VDA009	Air Venting Valve DN15, PN10	1	
468	VEA003	Level Switch	1	
469	WP311L-6KF	Supplier recommended safety spare parts	1	

V. BID SPECIFICATIONS

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
DG HUNTER UNITS 5-11 - SPARE PARTS - ELECTRIC PRODUCTION

VI. BID SPECIFICATIONS

1. The City Electric Department operates seven (7) Wärtsilä 20V34SG Engines-Generators and related auxiliary systems at the D.G. Hunter Generating Station Units 5-11. The units are being overhauled and numerous Spare Parts are needed. Further, Spare Parts are needed for general operations and maintenance.
2. Unless otherwise stated, the use of manufacturer's name and product numbers are for descriptive purposes and to establish general quality levels only, they are not intended to be restrictive.
3. The purpose of this bid is to secure pricing on Spare Parts, for use by the City of Alexandria Electric Production Department for the Wärtsilä Reciprocating Internal Combustion Engines and ancillary parts.
4. Successful Bidders agree to honor the quoted prices for a minimum one (1) year period from bid award date.
5. The existing plant was constructed utilizing Wärtsilä equipment as such the Bid Specifications for Spare Parts are developed around specific Spare Parts manufactured by Wärtsilä or authorized Wärtsilä Affiliates. Certain parts are easily substituted and can be priced by other suppliers, assuming 100% compatibility with the original installed equipment.