



National Power Corporation

SUPPLEMENTAL / BID BULLETIN NO. 1 SUPPLY AND DELIVERY OF MECHANICAL PARTS FOR VARIOUS FG WILSON GENSETS UNDER BICOL OPERATIONS DIVISION (BOD) PR NO. S1-CAT22-002

26 August 2022

All prospective bidders and authorized copy holders of the Bid Documents of the above mentioned project are hereby advised of the changes in the provision of the Bid Documents, to wit:

A. ADDITIONAL INFORMATION REGARDING ENGINE SERIAL NUMBERS

SCHEDULE	ENGINE SERIAL NUMBER
PACKAGE I	Item No.: 75-114 & 116-129; SN: U223821M (25KW PERKINS P30E1) Item No. 115; SN: U843828M (90KW PERKINS 1006TG2A) Item No.: 172,178-181, 185, 187-189, 191, 193, 199, 204 & 206; SN: U469891S (80KW FGW P88E1) Item No.: 171,173-177, 182, 184, 186, 190, 194-196, 198, 200, 202-203, 205, 207; SN: 228220/08 (60KW FGW P65E3)
PACKAGE II	Item No.: 1-5, 131-168; SN: PR82603R005761A (105kW - FG Wilson 1106A- 70TAG2) Item No.: 58-73 & 130; SN: PRBz6osRoosz6oA 105KW FGW (1106A-70TAG2) Item No.: 169-170, 183, 192, 197, 201 & 208-210; SN: PR82603R005763A (150kW - FG Wilson P165-5)
PACKAGE III	Item No.: 6-49; SN: MGDF7150 U10594A (450kW FG Wilson 2506-E15TAG3) Item No.: 50-57 & 74; SN: 41239606 600kW FG Wilson (4006-23TAG2A)

B. CHANGES IN DETAILS

ATTACHMENT 1

ITEM/DESCRIPTION	CHANGE IN:	FROM	TO
PACKAGE I			
77 - BEARING KIT	Part Number	948-862	984-862
80 - CYLINDER HEAD KIT	Description	*No GenSet Capacity	For 25KW Perkins P30E1
81 - FAN BLADE RADIATOR (7 BLADES) FOR P30E	Part Number	*No Part Number	909-113
108 - KIT, BEARING	Part Number	984-932	984-832
115 - CYLINDER HEAD KIT	Description	*No GenSet Capacity	For 90KW Perkins 1006TG2A

BIR Road corner Quezon Avenue, Diliman
1100 Quezon City, Philippines
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ITEM/DESCRIPTION	CHANGE IN:	FROM	TO
190 – KIT, PISTON AND RING 60 KW FGW (MODEL: P65E3)	Part Number	10000-00266	10000-04147
191– KIT, PISTON AND RING 80 KW FGW (MODEL: P88E1)	Part Number	998-703 / 10000-00266	10000-00266
198 – TOP GASKET KIT 60 KW FGW (MODEL: P65E3)	Part Number	10000-00116	10000-00285
199 – TOP GASKET KIT 80 KW FGW (MODEL: P88E1)	Part Number	10000-00116 / 10000-00285	10000-00116

ITEM/DESCRIPTION	CHANGE IN:	FROM	TO
PACKAGE II			
5 - INJECTOR	Part Number	C3355015 (Cummins)	997-106

ITEM/DESCRIPTION	CHANGE IN:	FROM	TO
PACKAGE III			
14 – MAIN BEARING KIT – U/S	Part Number	10000-67083	10000-27023
15 - O-RING	Part Number	914-832	934-832
20 – O RING SEAL	Part Number	976-734	996-734
21 – O RING SEAL	Part Number	976-659	996-659
43 – SEAL-OIL	Part Number	996-188	998-188
19 – O-RING	Description / Part Number	O-RING / 996-806	996-808
49 – LUBE OIL FILTER (OEM) INTENDED	Part Number	P550263 (Donaldson)	996-451

C. SECTION VI – TECHNICAL SPECIFICATIONS PART I – TS 3.0 DELIVERY PERIOD

FROM	TO
Sixty (60) Calendar Days	<u>One Hundred Fifty (150) Calendar Days</u>

D. SECTION VI – TECHNICAL SPECIFICATIONS PART I – TECHNICAL SPECIFICATIONS

REVISIONS OF PART NUMBER AND ADDITIONAL DESCRIPTIONS.

Please see attached form for the Scope of Works (seven pages).

E. SECTION VI – TECHNICAL SPECIFICATIONS PART II – TECHNICAL DATA SHEETS

REVISIONS OF PART NUMBER AND ADDITIONAL DESCRIPTIONS.

Please see attached form for the Technical Data Sheet (nine pages).

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F. SECTION VII – SCHEDULE OF REQUIREMENTS

REVISIONS OF PART NUMBER AND ADDITIONAL DESCRIPTIONS.

Please see attached form for the Schedule of Requirements (seven pages).

All other terms and conditions shall remain the same.

For the information and guidance of all authorized copy holders of the Bid Documents and prospective bidders.

For the Bids and Awards Committee:


RENE B. BARRUELA

Vice President, CAG and Chairman,
Bids and Awards Committee



Section VI - Technical Specifications
Part I - Technical Specifications

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Section VI - Technical Specifications

Part I - Technical Specifications

TS-1.0 GENERAL

This specification covers the features and technical requirements for the SUPPLY AND DELIVERY OF MECHANICAL PARTS FOR VARIOUS FG WILSON GENSETS UNDER BICOL OPERATIONS DIVISION

All supplied spare parts shall be new and unused. They shall be suitable for the intended purpose and shall comply with all applicable regulations, quality, and dimension standards.

The Supplier shall accept full responsibility for his work including documentation, preparation for shipment, inspection, warranty provisions and compliance with the applicable codes and standards and the requirements of this Specification.

TS-2.0 SCOPE OF WORKS

The scope of work shall cover the SUPPLY AND DELIVERY OF MECHANICAL PARTS FOR VARIOUS FG WILSON GENSETS UNDER BICOL OPERATIONS DIVISION.

Schedule of Requirements of Spare Parts

Package I - 35kW, 60kW, and 80kW FG Wilson Generating Sets

ITEM	DESCRIPTION	QTY.
75	BEARING KIT 904-104	3 Pc
76	BEARING KIT 994-071	1 Pc
77	BEARING KIT 984-862	3 Pc
78	BEARING KIT 904-049	3 Pc
79	BEARING KIT 904-312	3 Pc
80	CYLINDER HEAD KIT (25KW PERKINS P30E1) 996-592	1 Pc
81	FAN BLADE RADIATOR (7 BLADES) FOR P30E 909-113	1 Pc
82	GASKET 984-098	1 Pc
83	INJECTOR ASSY 910-008	3 Pc
84	LIFT PUMP 973-778	1 Pc
85	MODULES, ELECTRONICS INTERFACE (EIM) 917-422	5 Unit
86	PULLEY, WATER PUMP 924-004	1 Pc
87	PUMP, FUEL INJECTION 998-161	1 Pc
88	PUMP, WATER 913-201	1 Pc
89	SOLENOID 923-019	1 Pc

ITEM	DESCRIPTION		QTY.	
90	THERMOSTAT	914-005	1	Pc
91	VALVE, INLET	905-012	1	Pc
92	WASHER, THRUST	904-047	3	Pc
93	WASHER, THRUST	907-048	3	Pc
94	BEARING KIT	904-007	6	Pc
95	BEARING KIT	904-036	6	Pc
96	BEARING KIT	984-863	6	Pc
97	BEARING KIT	904-315	6	Pc
98	BEARING KIT	904-105	6	Pc
99	BEARING KIT	904-028	6	Pc
100	BEARING KIT	904-313	6	Pc
101	BEARING KIT	904-308	4	Pc
102	BEARING KIT	984-833	6	Pc
103	GASKET	984-071	1	Pc
104	GASKET	908-326	1	Pc
105	INJECTOR	997-106	2	Pc
106	JOINT AND GASKET KIT	995-105	1	Pc
107	JOINT/GASKET KIT	985-591	1	Pc
108	KIT, BEARING	984-832	6	KIT
109	LINER	974-053	8	Pc
110	PUMP, FUEL INJECTION PUMP	997-182	1	Pc
111	THERMOSTAT	914-004	2	Pc
112	THRUST WASHER	904-015	8	Pc
113	VALVE	929-366	1	Pc
114	WATER PUMP	998-077	1	Pc
115	CYLINDER HEAD KIT (90KW PERKINS 1006TG2A)	984-983	2	Pc
116	FAN BLADE, FOR P110E (90KW)	127-222	2	Pc
117	HOUSING	973-070	2	Pc
118	INJECTOR FUEL ASSY	981-123	6	Pc
119	KIT, BEARING	904-106	4	KIT
120	KIT, BEARING	904-039	10	KIT
121	KIT, BOTTOM SERVICE	985-466	2	KIT
122	KIT CONNECTING ROD BEARING	904-013	12	KIT
123	KIT PISTON RING	920-004	12	KIT
124	KIT PISTON RING	985-246	5	KIT
125	KIT PISTON RING	903-019	12	KIT
126	KIT TOP JOINT AND GASKET	985-569	6	KIT
127	PUMP, WATER	913-326	2	Pc
128	WASHER, THRUST	904-016	10	Pc
129	RING KIT, PISTON	903-019	3	Pc
171	BIG END BEARING (STD) 60KW FGW (MODEL: P65E3), PN: 10000-45434	10000-45434	4	PC

ITEM	DESCRIPTION		QTY.	
172	BOTTOM GASKET KIT 80KW FGW (MODEL: P88E1), PN: 10000-02859	10000-02859	2	PC
173	CONNECTING ROD ASSEMBLY 60KW FGW (MODEL: P65E3), PN: PPL039684/915-814	PPL039684/915- 814	12	PC
174	COVER, CYLINDER HEAD 60KW FGW (MODEL: P65E3), PN: 10000-16270	10000-16270	1	PC
175	FUEL INJECTOR NO.1 60KW FGW (MODEL: P65E3), PN: 10000-00084	10000-00084	3	PC
176	FUEL INJECTOR NO.1 60KW FGW (MODEL: P65E3), PN: 10000-00085	10000-00085	3	PC
177	FUEL INJECTOR NO.3 60KW FGW (MODEL: P65E3), PN: 10000-00086	10000-00086	3	PC
178	FUEL INJECTOR PIPE NO.1 80KW FGW (MODEL: P88E1), PN: 10000- 02554	10000-02554	2	PC
179	FUEL INJECTOR PIPE NO.2 80KW FGW (MODEL: P88E1), PN: 10000- 02555	10000-02555	2	PC
180	FUEL INJECTOR PIPE NO.3 80KW FGW (MODEL: P88E1), PN: 10000- 07625	10000-07625	2	PC
181	FUEL INJECTOR PIPE NO.4 80KW FGW (MODEL: P88E1), PN: 10000- 02557	10000-02557	2	PC
182	GASKET - TIMING CASE COVER 60KW FGW (MODEL: P65E3), PN: 915-783	915-783	6	PC
184	GASKET, BOTTOM OVERHAULING 60KW FGW (MODEL: P65E3), PN: 10000-00058	10000-00058	5	PC
185	GASKET, CYLINDER HEAD 80KW FGW (MODEL: P88E1), PN: 916-535	916-535	3	PC
186	GASKET, CYLINDER HEAD 60KW FGW (MODEL: P65E3), PN: 10000-00071	10000-00071	3	PC
187	GASKET, SUMP 80KW FGW (MODEL: P88E1), PN: 915-782	915-782	2	PC
188	INJECTOR ASSY. 80KW FGW (MODEL: P88E1), PN: 10000-00270	10000-00270	3	PC
189	KIT, BIG END BEARING 80KW FGW (MODEL: P88E1), PN: 10000-010855	10000-010855	3	KIT
190	KIT, PISTON AND RING 60KW FGW (MODEL: P65E3)	10000-04147	3	KIT
191	KIT, PISTON AND RING 80KW FGW (MODEL: P88E1), PN: 998-703 /	10000-00266	3	KIT

ITEM	DESCRIPTION	QTY.
	10000-00266	
193	MAIN BEARING ASSY (STD) 80KW FGW (MODEL: P88E1), PN: 998-711/10000-46809	998-711/ 10000-46809 3 PC
194	MAIN BEARING ASSY. (STD) 60KW FGW (MODEL: P65E3), PN: 10000-47144	10000-47144 2 PC
195	OIL SEAL, FRONT 60KW FGW (MODEL: P65E3), PN: 10000-04364	10000-04364 3 PC
196	OIL SUMP GASKET 60KW FGW (MODEL: P65E3), PN: 10000-00114	10000-00114 4 PC
198	TOP GASKET KIT 60KW FGW (MODEL: P65E3), PN: 10000-00116	10000-00285 3 PC
199	TOP GASKET KIT 80KW FGW (MODEL: P88E1), PN: 10000-00116/10000-00285	10000-00116 3 PC
200	VALVE COVER GASKET 60KW FGW (MODEL: P65E3), PN: 10000-00105	10000-00105 3 PC
202	VALVE SEAT, INSERT 60KW FGW (MODEL: P65E3), PN: 10000-17034	10000-17034 10 PC
203	VALVE SEAT, INSERT EXHAUST 60KW FGW (MODEL: P65E3), PN: 10000-15372	10000-15372 12 PC
204	VALVE, EXHAUST 80KW FGW (MODEL: P88E1), PN: 998-702	998-702 2 PC
205	VALVE, EXHAUST 60KW FGW (MODEL: P65E3), PN: 998-702	998-702 22 PC
206	VALVE, INLET 80KW FGW (MODEL: P88E1), PN: 998-701	998-701 6 PC
207	VALVE, INLET 60KW FGW (MODEL: P65E3), PN: 998-701	998-701 18 PC

Package II - 150kW FG Wilson Generating Sets

ITEM	DESCRIPTION	QTY.
1	PISTON AND RING KIT	10000-68875 16 PC
2	REAR HOUSING SEAL	998-712 10 PC
3	VALVE SEAT INSERT	10000-79308 17 PC
4	INJECTOR	10000-60117 10 PC
5	INJECTOR	997-106 25 PC
58	BEARING, NDE, 6308 2RSC3	10000-62215 2 PC
59	BIG END BEARING KIT	10000-52821 2 PC
60	CAMSHAFT	10000-60145 1 PC
61	CON ROD ASSEMBLY	10000-49712 6 PC
62	FUEL LIFT PUMP	10000-60118 1 PC

ITEM	DESCRIPTION	QTY.
63	GASKET 10000-05742	3 PC
64	INJECTOR WASHER 988-957	2 PC
65	KIT, PISTON/RING 10000-60133	3 PC
66	KIT, WATER PUMP 10000-82615	2 PC
67	MAIN BEARING KIT 10000-55650	6 PC
68	PISTON RING KIT 10000-05804	6 PC
69	PUSH ROD 907-003	2 PC
70	REAR HOUSING SEAL 998-712	1 PC
71	SEAL INJECTOR 10000-00097	6 PC
72	THRUST WASHER KIT 10000-52810	9 PC
73	TURBOCHARGER 10000-61759	2 PC
130	THERMOSTAT ASSEMBLY 10000-61301	2 PC
131	BIG END BEARING KIT 10000-52821	8 PC
132	BEARING, CONNECTING ROD 10000-49712	1 PC
133	COOLANT LEVEL SENSOR 622-312	2 PC
134	FUEL INJECTION PUMP 10000-68623	1 PC
135	FUEL LIFT PUMP 10000-60118	4 PC
136	GASKET, ROCKER COVER 10000-60136	6 PC
137	GASKET, TIMING CASE 10000-05411	4 PC
138	KIT, PISTON/RING 10000-60133	12 PC
139	BEARING KIT, MAIN 10000-55650	5 PC
140	NDE BEARING 6308 2RSC3 10000-62215	2 PC
141	OIL PUMP 10000-79400	2 PC
142	PISTON RING KIT 10000-05804	18 PC
143	SEAL - FRONT END OIL 10000-05563	4 PC
144	SEAL - VALVE STEM 916-160	8 PC
145	SEAL - VALVE STEM 10000-00118	8 PC
146	SEAL, INJECTOR 10000-00091	12 PC
147	SEAL-REAR END OIL 10000-60190	2 PC
148	SMALL END BUSH 10000-05616	4 PC
149	TAPPET 10000-71516	24 PC
150	THERMOSTAT ASSEMBLY 10000-61301	2 PC
151	THERMOSTAT ASSEMBLY 10000-60205	2 PC
152	THRUST WASHER 915-734	2 PC
153	THRUST WASHER KIT 10000-52810	18 PC
154	THRUST WASHER KIT-O/S 10000-67816	2 PC
155	TIMING CASE 10000-05869	4 PC
156	TURBOCHARGER 10000-61759	2 PC
157	VALVE ASSEMBLY 60315/ 10000-60287	2 PC
158	VALVE COLLET 10000-57653	2 PC
159	VALVE COVER 10000-60241	24 PC
160	VALVE GUIDE EXHAUST 10000-60143	6 PC

ITEM	DESCRIPTION		QTY.	
161	VALVE GUIDE INTAKE	10000-60143	24	PC
162	VALVE SEAT INSERT	10000-79308	18	PC
163	VALVE SEAT INSERT	10000-79309	12	PC
164	VALVE SPRING	10000-60137	16	PC
165	VALVE SPRING	10000-67811	36	PC
166	VALVE STEM SEAL SPRING	10000-60351	16	PC
167	WASHER	10000-60202	6	PC
168	WATER PUMP KIT	10000-60387	1	PC
169	BEARING KIT, MAIN 150KW FGW (MODEL: P165-5), PN: 10000-70478	10000-70478	2	KIT
170	BEARING, NDE, 6308 2RSC3 150KW FGW (MODEL: P165-5), PN: 10000- 62215	10000-62215	2	PC
183	GASKET - WATER PUMP 150KW FGW (MODEL: P165-5), PN: 915-785	915-785	2	PC
192	KIT, WATER PUMP 150KW FGW (MODEL: P165-5), PN: 10000-82615	10000-82615	2	PC
197	SEAL - ROCKER BOX COVER 150KW FGW (MODEL: P165-5), PN: 10000- 60136	10000-60136	2	PC
201	VALVE GUIDE - INTAKE 150KW FGW (MODEL: P165-5), PN: 10000-60143	10000-60143	1	PC
208	COOLANT INHIBITOR 150KW FGW (MODEL: P165-5), PN: 10000-17033	10000-17033	3	PC
209	GASKET, CYLINDER HEAD ()	10000-60115	9	PC
210	VALVE EXHAUST ()	10000-57659	28	PC

Package III - 450 & 600kW FG Wilson Generating Sets

ITEM	DESCRIPTION		QTY.	
6	THRUST WASHER KIT	997-052	2	PC
7	SLEEVE	998-641	6	PC
8	BAND	996-782	6	PC
9	CYLINDER LINER	10000-04243	6	PC
10	GASKET-CYLINDER HEAD	997-725	1	PC
11	GASKET-TIMMING CASE	996-876	1	PC
12	INJECTOR EXCHANGE	10000-061209	6	PC
13	JOINT, ROCKER COVER	998-948	1	PC
14	MAIN BEARING KIT-U/S	10000-27023	1	PC
15	O-RING	934-832	4	PC
16	OIL COOLER	996-908	1	PC
17	O-RING	996-647	1	PC
18	O-RING	996-853	1	PC
19	O-RING	996-808	6	PC

ITEM	DESCRIPTION		QTY.	
20	ORING SEAL	996-734	1	PC
21	ORING SEAL	996-659	12	PC
22	PISTON RING KIT	10000-07686	6	PC
23	ROLLER BEARING	996-960	1	PC
24	SEAL	934-831	1	PC
25	SEAL-FRONT END OIL	998-772	1	PC
26	SEAL-ORING	10000-60001	1	PC
27	SEAL-O RING	10000-60000	1	PC
28	SEAL-O RING	10000-49587	4	PC
29	SEAL- O RING	996-731	1	PC
30	SEAL- O RING	996-773	1	PC
31	SEAL- O RING	996-811	6	PC
32	SEAL-ORING	996-812	6	PC
33	SEAL-ORING	996-682	1	PC
34	SEAL-O RING	996-746	1	PC
35	SEAL-O RING	996-990	6	PC
36	SEAL- O RING	10000-64947	1	PC
37	SEAL- O RING	996-658	2	PC
38	SEAL- O RING	934-829	2	PC
39	SEAL-ORING	996-680	2	PC
40	SEAL-ORING, CYLINDER HEAD	996-794	12	PC
41	SEAL-OIL	996-783	6	PC
42	SEAL-OIL	996-785	6	PC
43	SEAL-OIL	996-188	6	PC
44	SEAL-OIL, REAR END OIL	998-753	1	PC
45	SEAL-SUMP	996-904	1	PC
46	SEAL-KIT	934-788	6	PC
47	SHAFT	973-260	1	PC
48	BUSHING, CAMSHAFT	997-708	1	UNIT
49	LUBE OIL FILTER (OEM) INTENDED FOR 560KW DALE FG WILSON ENGINE MODEL: 3012TAG-2A, L: 19CM, OUTSIDE DIA: 11CM, INSIDE DIA: 3 CM	996-451	10	PC
50	AIR FILTER ASSEMBLY	S551/A	36	PC
51	BELT, TIMING	541/398	12	PC
52	FILTER ASSY., FUEL	SE429B/4	36	PC
53	FILTER, OIL 4324909	4324909	36	PC
54	INJECTOR ASSEMBLY	858/26	6	PC
55	PUMP, WATER	SE145K	1	PC
56	REPAIR KIT, TURBOCHARGER	Y03/00035	1	PC
57	V-BELT, FAN DRIVE	541/439	12	PC
74	ACTUATOR	680/112	1	PC

TS-3.0 DELIVERY PERIOD AND LOCATION

The delivery period shall be **One Hundred Fifty (150) CALENDAR DAYS** reckoned from receipt of Notice to Proceed.

The spare parts shall be delivered to **National Power Corporation, OM-BOD PEÑAFRANCIA, DARAGA, ALBAY**

The Supplier shall be responsible for visiting the site and take particular reference to its accessibility, means of communication and transportation, and all other factors that could hamper the smooth execution of the contract.

Any and/or all expenses arising through the lack of knowledge or understanding regarding the existing conditions of the site shall be the responsibility of the Supplier and no additional payment thereof shall be made by NPC.

TS-4.0 ACCEPTANCE CRITERIA

The Supplier shall perform at his own expense all inspection required to ensure adequacy of design, material, workmanship and conformance of the supplied spare parts to the requirements of the specifications and standards.

Necessary inspections at the place of delivery shall also be conducted with the presence of NPC representative.

Upon arrival of spare parts at delivery site, NPC and the Supplier or their authorized representatives, shall jointly verify the spare parts following the steps below:

- a. Inspection and verification of the packing list;
- b. Visual inspection of the condition of the packing and its surfaces; and
- c. Partial opening of the crates and plastic sheet protection of spare parts to verify the content and its physical condition and to check pilferage or damage during shipment and storage.

A record shall be prepared carefully noting all eventual shortages, defects or damages, signed by the Supplier and concurred by NPC. All shortages and damages noted shall be immediately replaced by the Supplier at his own cost and shall ensure the timely delivery of replacement without affecting the agreed overall contract implementation schedule.

Acceptance certificate shall be issued only after all the required inspection and verification are satisfactorily conducted and performed.

If any spare part fails to pass the inspection, NPC may at his own judgment, direct the Supplier to replace the spare parts.

TS-5.0 DRAWINGS AND DOCUMENTS TO BE SUBMITTED

- a. To be submitted with the bid
 - a.1 Completely filled-out Technical Data Sheets.
 - a.2 Authorization to bid from any of the following:
 - a.2.1 Original Equipment Manufacturer (OEM) for Items 1-210.
 - a.2.2 Authorized Manufacturer/ Integrator/ Assembler of OEM Parts with corresponding Authorization Letter from the OEM to manufacture the OEM parts;
 - a.2.3 Licensee of the OEM with corresponding License issued by the OEM;
 - a.2.4 Distributor/Dealer, a Certificate of Authorized Distributorship/Dealership from the OEM or Authorized Manufacturer of OEM Parts or Licensee of the OEM. In case the Certificate of Authorized Distributorship / Dealership is issued by the Authorized Manufacturer of OEM Parts or Licensee of the OEM, it should be accompanied with corresponding Authorization Letter from the OEM per item (a.2.2) above.

(The authority can be acquired from OEM, Manufacturer of OEM Parts or Licensee of the OEM.)

- b. To be submitted before/ during delivery of spare parts
 - b.1 "Certificate of Origin" from the Manufacturer.
 - b.2 "Warranty" Certificate for one (1) year against factory defects/workmanship.

TS-6.0 GUARANTEE

The Supplier shall guarantee the replacement of the supplied spare parts at his own expense against defect in design, workmanship and materials for a period of one (1) year after acceptance by NPC.

The Supplier shall submit a Warranty Certificate (at least 1 year) effective from the date of acceptance by NPC.

Section VI - Technical Specifications

Part II - Technical Data Sheets

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
1.0	SPARE PARTS DATA	TDS-1

PART II – TECHNICAL DATA SHEETS**SUPPLY AND DELIVERY OF MECHANICAL PARTS FOR VARIOUS
FG WILSON GENSETS UNDER BICOL OPERATIONS DIVISION**

1. The Bidder shall complete this technical data sheet and submit the filled-up form with the technical proposal. The Bidder shall use continuation sheets as necessary for any other additional information keeping to the format shown herein or by reproducing the same.
2. NPC reserves the right to reject Bids without proper and/or specific data and information as required herein.
3. The data required are technical features and characteristics of the Equipment/Component/Parts to be provided by the bidder. Bidder's proposal shall at least be equal or superior to the requirements specified by NPC.

1.0 SPARE PARTS DATA**Package I - 35kW, 60kW, and 80kW FG WILSON Generating Sets**

ITEM	DESCRIPTION	NPC REQUIREMENTS			SUPPLIER'S DATA	
		PART NO.	QTY.		PART NO.	QTY
75	BEARING KIT	904-104	3	Pc		
76	BEARING KIT	994-071	1	Pc		
77	BEARING KIT	984-862	3	Pc		
78	BEARING KIT	904-049	3	Pc		
79	BEARING KIT	904-312	3	Pc		
80	CYLINDER HEAD KIT (25KW Perkins P301E1)	996-592	1	Pc		
81	FAN BLADE RADIATOR (7 BLADES) FOR P30E	909-113	1	Pc		
82	GASKET	984-098	1	Pc		
83	INJECTOR ASSY	910-008	3	Pc		
84	LIFT PUMP	973-778	1	Pc		
85	MODULES, ELECTRONICS INTERFACE (EIM)	917-422	5	Unit		
86	PULLEY, WATER PUMP	924-004	1	Pc		
87	PUMP, FUEL INJECTION	998-161	1	Pc		
88	PUMP, WATER	913-201	1	Pc		
89	SOLENOID	923-019	1	Pc		
90	THERMOSTAT	914-005	1	Pc		
91	VALVE, INLET	905-012	1	Pc		
92	WASHER, THRUST	904-047	3	Pc		
93	WASHER, THRUST	907-048	3	Pc		

ITEM	DESCRIPTION	NPC REQUIREMENTS		SUPPLIER'S DATA	
		PART NO.	QTY.	PART NO.	QTY
94	BEARING KIT	904-007	6 Pc		
95	BEARING KIT	904-036	6 Pc		
96	BEARING KIT	984-863	6 Pc		
97	BEARING KIT	904-315	6 Pc		
98	BEARING KIT	904-105	6 Pc		
99	BEARING KIT	904-028	6 Pc		
100	BEARING KIT	904-313	6 Pc		
101	BEARING KIT	904-308	4 Pc		
102	BEARING KIT	984-833	6 Pc		
103	GASKET	984-071	1 Pc		
104	GASKET	908-326	1 Pc		
105	INJECTOR	997-106	2 Pc		
106	JOINT AND GASKET KIT	995-105	1 Pc		
107	JOINT/GASKET KIT	985-591	1 Pc		
108	KIT, BEARING	984-832	6 KIT		
109	LINER	974-053	8 Pc		
110	PUMP, FUEL INJECTION PUMP	997-182	1 Pc		
111	THERMOSTAT	914-004	2 Pc		
112	THRUST WASHER	904-015	8 Pc		
113	VALVE	929-366	1 Pc		
114	WATER PUMP	998-077	1 Pc		
115	CYLINDER HEAD KIT (90KW PERKINS 1006TG2A)	984-983	2 Pc		
116	FAN BLADE, FOR P110E (90KW)	127-222	2 Pc		
117	HOUSING	973-070	2 Pc		
118	INJECTOR FUEL ASSY	981-123	6 Pc		
119	KIT, BEARING	904-106	4 KIT		
120	KIT, BEARING	904-039	10 KIT		
121	KIT, BOTTOM SERVICE	985-466	2 KIT		
122	KIT CONNECTING ROD BEARING	904-013	12 KIT		
123	KIT PISTON RING	920-004	12 KIT		
124	KIT PISTON RING	985-246	5 KIT		
125	KIT PISTON RING	903-019	12 KIT		
126	KIT TOP JOINT AND GASKET	985-569	6 KIT		
127	PUMP, WATER	913-326	2 Pc		
128	WASHER, THRUST	904-016	10 Pc		
129	RING KIT, PISTON	903-019	3 Pc		
171	BIG END BEARING (STD) 60KW	10000-45434	4 PC		

ITEM	DESCRIPTION	NPC REQUIREMENTS		SUPPLIER'S DATA	
		PART NO.	QTY.	PART NO.	QTY
	FGW (MODEL: P65E3), PN: 10000-45434				
172	BOTTOM GASKET KIT 80KW FGW (MODEL: P88E1), PN: 10000-02859	10000-02859	2 PC		
173	CONNECTING ROD ASSEMBLY 60KW FGW (MODEL: P65E3), PN: PPL039684/915-814	PPL039684/915-814	12 PC		
174	COVER, CYLINDER HEAD 60KW FGW (MODEL: P65E3), PN: 10000-16270	10000-16270	1 PC		
175	FUEL INJECTOR NO.1 60KW FGW (MODEL: P65E3), PN: 10000-00084	10000-00084	3 PC		
176	FUEL INJECTOR NO.1 60KW FGW (MODEL: P65E3), PN: 10000-00085	10000-00085	3 PC		
177	FUEL INJECTOR NO.3 60KW FGW (MODEL: P65E3), PN: 10000-00086	10000-00086	3 PC		
178	FUEL INJECTOR PIPE NO.1 80KW FGW (MODEL: P88E1), PN: 10000-02554	10000-02554	2 PC		
179	FUEL INJECTOR PIPE NO.2 80KW FGW (MODEL: P88E1), PN: 10000-02555	10000-02555	2 PC		
180	FUEL INJECTOR PIPE NO.3 80KW FGW (MODEL: P88E1), PN: 10000-07625	10000-07625	2 PC		
181	FUEL INJECTOR PIPE NO.4 80KW FGW (MODEL: P88E1), PN: 10000-02557	10000-02557	2 PC		
182	GASKET - TIMING CASE COVER 60KW FGW (MODEL: P65E3), PN: 915-783	915-783	6 PC		
184	GASKET, BOTTOM OVERHAULING 60KW FGW (MODEL: P65E3), PN: 10000-00058	10000-00058	5 PC		
185	GASKET, CYLINDER HEAD 80KW FGW (MODEL: P88E1),	916-535	3 PC		

ITEM	DESCRIPTION	NPC REQUIREMENTS		SUPPLIER'S DATA	
		PART NO.	QTY.	PART NO.	QTY
	PN: 916-535				
186	GASKET, CYLINDER HEAD 60KW FGW (MODEL: P65E3), PN: 10000-00071	10000-00071	3 PC		
187	GASKET, SUMP 80KW FGW (MODEL: P88E1), PN: 915-782	915-782	2 PC		
188	INJECTOR ASSY. 80KW FGW (MODEL: P88E1), PN: 10000- 00270	10000-00270	3 PC		
189	KIT, BIG END BEARING 80KW FGW (MODEL: P88E1), PN: 10000-010855	10000-010855	3 KIT		
190	KIT, PISTON AND RING 60KW FGW (MODEL: P65E3), PN: 10000-00266	10000-04147	3 KIT		
191	KIT, PISTON AND RING 80KW FGW (MODEL: P88E1)	10000-00266	3 KIT		
193	MAIN BEARING ASSY (STD) 80KW FGW (MODEL: P88E1), PN: 998-711/ 10000-46809	998-711/ 10000-46809	3 PC		
194	MAIN BEARING ASSY. (STD) 60KW FGW (MODEL: P65E3), PN: 10000-47144	10000-47144	2 PC		
195	OIL SEAL, FRONT 60KW FGW (MODEL: P65E3), PN: 10000- 04364	10000-04364	3 PC		
196	OIL SUMP GASKET 60KW FGW (MODEL: P65E3), PN: 10000- 00114	10000-00114	4 PC		
198	TOP GASKET KIT 60KW FGW (MODEL: P65E3)	10000-00285	3 PC		
199	TOP GASKET KIT 80KW FGW (MODEL: P88E1)	10000-00116	3 PC		
200	VALVE COVER GASKET 60KW FGW (MODEL: P65E3), PN: 10000-00105	10000-00105	3 PC		
202	VALVE SEAT, INSERT 60KW FGW (MODEL: P65E3), PN: 10000-17034	10000-17034	10 PC		
203	VALVE SEAT, INSERT EXHAUST 60KW FGW (MODEL: P65E3),	10000-15372	12 PC		

ITEM	DESCRIPTION	NPC REQUIREMENTS			SUPPLIER'S DATA	
		PART NO.	QTY.		PART NO.	QTY
	PN: 10000-15372					
204	VALVE, EXHAUST 80KW FGW (MODEL: P88E1), PN: 998-702	998-702	2	PC		
205	VALVE, EXHAUST 60KW FGW (MODEL: P65E3), PN: 998-702	998-702	22	PC		
206	VALVE, INLET 80KW FGW (MODEL: P88E1), PN: 998-701	998-701	6	PC		
207	VALVE, INLET 60KW FGW (MODEL: P65E3), PN: 998-701	998-701	18	PC		

Package II - 150kW FG WILSON Generating Sets

ITEM	DESCRIPTION	NPC REQUIREMENTS			SUPPLIER'S DATA	
		PART NO.	QTY.		PART NO.	QTY
1	PISTON AND RING KIT	10000-68875	16	PC		
2	REAR HOUSING SEAL	998-712	10	PC		
3	VALVE SEAT INSERT	10000-79308	17	PC		
4	INJECTOR	10000-60117	10	PC		
5	INJECTOR	997-106	25	PC		
58	BEARING, NDE, 6308 2RSC3	10000-62215	2	PC		
59	BIG END BEARING KIT	10000-52821	2	PC		
60	CAMSHAFT	10000-60145	1	PC		
61	CON ROD ASSEMBLY	10000-49712	6	PC		
62	FUEL LIFT PUMP	10000-60118	1	PC		
63	GASKET	10000-05742	3	PC		
64	INJECTOR WASHER	988-957	2	PC		
65	KIT, PISTON/RING	10000-60133	3	PC		
66	KIT, WATER PUMP	10000-82615	2	PC		
67	MAIN BEARING KIT	10000-55650	6	PC		
68	PISTON RING KIT	10000-05804	6	PC		
69	PUSH ROD	907-003	2	PC		
70	REAR HOUSING SEAL	998-712	1	PC		
71	SEAL INJECTOR	10000-00097	6	PC		
72	THRUST WASHER KIT	10000-52810	9	PC		
73	TURBOCHARGER	10000-61759	2	PC		
130	THERMOSTAT ASSEMBLY	10000-61301	2	PC		
131	BIG END BEARING KIT	10000-52821	8	PC		
132	BEARING, CONNECTING ROD	10000-49712	1	PC		
133	COOLANT LEVEL SENSOR	622-312	2	PC		

ITEM	DESCRIPTION	NPC REQUIREMENTS			SUPPLIER'S DATA	
		PART NO.	QTY.		PART NO.	QTY
134	FUEL INJECTION PUMP	10000-68623	1	PC		
135	FUEL LIFT PUMP	10000-60118	4	PC		
136	GASKET, ROCKER COVER	10000-60136	6	PC		
137	GASKET, TIMING CASE	10000-05411	4	PC		
138	KIT, PISTON/RING	10000-60133	12	PC		
139	BEARING KIT, MAIN	10000-55650	5	PC		
140	NDE BEARING 6308 2RSC3	10000-62215	2	PC		
141	OIL PUMP	10000-79400	2	PC		
142	PISTON RING KIT	10000-05804	18	PC		
143	SEAL - FRONT END OIL	10000-05563	4	PC		
144	SEAL - VALVE STEM	916-160	8	PC		
145	SEAL - VALVE STEM	10000-00118	8	PC		
146	SEAL, INJECTOR	10000-00091	12	PC		
147	SEAL-REAR END OIL	10000-60190	2	PC		
148	SMALL END BUSH	10000-05616	4	PC		
149	TAPPET	10000-71516	24	PC		
150	THERMOSTAT ASSEMBLY	10000-61301	2	PC		
151	THERMOSTAT ASSEMBLY	10000-60205	2	PC		
152	THRUST WASHER	915-734	2	PC		
153	THRUST WASHER KIT	10000-52810	18	PC		
154	THRUST WASHER KIT-O/S	10000-67816	2	PC		
155	TIMING CASE	10000-05869	4	PC		
156	TURBOCHARGER	10000-61759	2	PC		
157	VALVE ASSEMBLY	60315/ 10000-60287	2	PC		
158	VALVE COLLET	10000-57653	2	PC		
159	VALVE COVER	10000-60241	24	PC		
160	VALVE GUIDE EXHAUST	10000-60143	6	PC		
161	VALVE GUIDE INTAKE	10000-60143	24	PC		
162	VALVE SEAT INSERT	10000-79308	18	PC		
163	VALVE SEAT INSERT	10000-79309	12	PC		
164	VALVE SPRING	10000-60137	16	PC		
165	VALVE SPRING	10000-67811	36	PC		
166	VALVE STEM SEAL SPRING	10000-60351	16	PC		
167	WASHER	10000-60202	6	PC		
168	WATER PUMP KIT	10000-60387	1	PC		
169	BEARING KIT, MAIN 150KW FGW (MODEL: P165-5), PN: 10000-70478	10000-70478	2	KIT		
170	BEARING, NDE, 6308 2RSC3	10000-62215	2	PC		

ITEM	DESCRIPTION	NPC REQUIREMENTS		SUPPLIER'S DATA	
		PART NO.	QTY.	PART NO.	QTY
	150KW FGW (MODEL: P165-5), PN: 10000-62215				
183	GASKET - WATER PUMP 150KW FGW (MODEL: P165-5), PN: 915-785	915-785	2 PC		
192	KIT, WATER PUMP 150KW FGW (MODEL: P165-5), PN: 10000- 82615	10000-82615	2 PC		
197	SEAL - ROCKER BOX COVER 150KW FGW (MODEL: P165-5), PN: 10000-60136	10000-60136	2 PC		
201	VALVE GUIDE - INTAKE 150KW FGW (MODEL: P165-5), PN: 10000-60143	10000-60143	1 PC		
208	COOLANT INHIBITOR 150KW FGW (MODEL: P165-5), PN: 10000-17033	10000-17033	3 PC		
209	GASKET, CYLINDER HEAD ()	10000-60115	9 PC		
210	VALVE EXHAUST ()	10000-57659	28 PC		

Package III - 450 & 600kW FG WILSON Generating Sets

ITEM	DESCRIPTION	NPC REQUIREMENTS		SUPPLIER'S DATA	
		PART NO.	QTY.	PART NO.	QTY
6	THRUST WASHER KIT	997-052	2 PC		
7	SLEEVE	998-641	6 PC		
8	BAND	996-782	6 PC		
9	CYLINDER LINER	10000-04243	6 PC		
10	GASKET-CYLINDER HEAD	997-725	1 PC		
11	GASKET-TIMMING CASE	996-876	1 PC		
12	INJECTOR EXCHANGE	10000-061209	6 PC		
13	JOINT, ROCKER COVER	998-948	1 PC		
14	MAIN BEARING KIT-U/S	10000-27023	1 PC		
15	O-RING	934-832	4 PC		
16	OIL COOLER	996-908	1 PC		
17	O-RING	996-647	1 PC		
18	O-RING	996-853	1 PC		
19	O-RING	996-808	6 PC		
20	ORING SEAL	996-734	1 PC		
21	ORING SEAL	996-659	12 PC		

SECTION VI - TECHNICAL SPECIFICATIONS

PR NO. S1-CAT22-002

ITEM	DESCRIPTION	NPC REQUIREMENTS			SUPPLIER'S DATA	
		PART NO.	QTY.		PART NO.	QTY
22	PISTON RING KIT	10000-07686	6	PC		
23	ROLLER BEARING	996-960	1	PC		
24	SEAL	934-831	1	PC		
25	SEAL-FRONT END OIL	998-772	1	PC		
26	SEAL-ORING	10000-60001	1	PC		
27	SEAL-O RING	10000-60000	1	PC		
28	SEAL-O RING	10000-49587	4	PC		
29	SEAL- O RING	996-731	1	PC		
30	SEAL- O RING	996-773	1	PC		
31	SEAL- O RING	996-811	6	PC		
32	SEAL-ORING	996-812	6	PC		
33	SEAL-ORING	996-682	1	PC		
34	SEAL-O RING	996-746	1	PC		
35	SEAL-O RING	996-990	6	PC		
36	SEAL- O RING	10000-64947	1	PC		
37	SEAL- O RING	996-658	2	PC		
38	SEAL- O RING	934-829	2	PC		
39	SEAL-ORING	996-680	2	PC		
40	SEAL-ORING, CYLINDER HEAD	996-794	12	PC		
41	SEAL-OIL	996-783	6	PC		
42	SEAL-OIL	996-785	6	PC		
43	SEAL-OIL	998-188	6	PC		
44	SEAL-OIL, REAR END OIL	998-753	1	PC		
45	SEAL-SUMP	996-904	1	PC		
46	SEAL-KIT	934-788	6	PC		
47	SHAFT	973-260	1	PC		
48	BUSHING, CAMSHAFT	997-708	1	UNIT		
49	LUBE OIL FILTER (OEM) INTENDED FOR 560KW DALE FG WILSON ENGINE MODEL: 3012TAG-2A, L: 19CM, OUTSIDE DIA: 11CM, INSIDE DIA: 3 CM	996-451	10	PC		
50	AIR FILTER ASSEMBLY	S551/A	36	PC		
51	BELT, TIMING	541/398	12	PC		
52	FILTER ASSY., FUEL	SE429B/4	36	PC		
53	FILTER, OIL 4324909	4324909	36	PC		
54	INJECTOR ASSEMBLY	858/26	6	PC		
55	PUMP, WATER	SE145K	1	PC		
56	REPAIR KIT, TURBOCHARGER	Y03/00035	1	PC		

ITEM	DESCRIPTION	NPC REQUIREMENTS		SUPPLIER'S DATA	
		PART NO.	QTY.	PART NO.	QTY.
57	V-BELT, FAN DRIVE	541/439	12 PC		
74	ACTUATOR	680/112	1 PC		

Name of Bidder: _____

Signature of Bidder: _____

*"If the part number(s) indicated by the bidder under the "Supplier's Data" column is not the same to the part number indicated under the "NPC's Requirement column", the bidder will submit/attached the corresponding Service Bulletin issued by the OEM/Authorized Manufacturer or any documents that will support it, such as but not limited to the Catalogue/ Brochures/Parts Manual". Provided that "Certification from *Supplier that the item(s) offered is the same as required in the Tender Documents" must be submitted as post qualification requirement.*

Note:

***Supplier** refers to those mentioned/ covered under **a.2.4**
TS- DRAWINGS AND DOCUMENTS TO BE SUBMITTED
(Section VI – Technical Specifications)

(a.2.4 Distributor/Dealer, a Certificate of Authorized Distributorship/Dealership from the OEM or Authorized Manufacturer of OEM Parts or Licensee of the OEM.)
(The authority can be acquired from OEM, Manufacturer of OEM Parts or Licensee of the OEM.)

**Section VII - SCHEDULE OF REQUIREMENTS
(Bid Price Schedule)**

Package 1 - 35kW, 60kW, and 80kW FG Wilson Generating Sets

ITEM NO.	DESCRIPTION	QTY.- UNIT	* C O D E	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE
				Unit Price of Goods Delivered up to Philippine Port (Phil. Peso)+	Import Duties & other Levies imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site (Phil. Peso)-	Total Unit Price E+F+G+H	Local Currency (Phil. Peso) ((E+F+G+H) x C)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
75	BEARING KIT 904-104	3 Pc							
76	BEARING KIT 994-071	1 Pc							
77	BEARING KIT 984-862	3 Pc							
78	BEARING KIT 904-049	3 Pc							
79	BEARING KIT 904-312	3 Pc							
80	CYLINDER HEAD KIT (25KW PERKINS P30E1) 996-592	1 Pc							
81	FAN BLADE RADIATOR (7 BLADES) FOR P30E 909-113	1 Pc							
82	GASKET 984-098	1 Pc							
83	INJECTOR ASSY 910-008	3 Pc							
84	LIFT PUMP 973-778	1 Pc							
85	MODULES, ELECTRONICS INTERFACE (EIM) 917-422	5 Unit							
86	PULLEY, WATER PUMP 924-004	1 Pc							
87	PUMP, FUEL INJECTION 998-161	1 Pc							
88	PUMP, WATER 913-201	1 Pc							
89	SOLENOID 923-019	1 Pc							
90	THERMOSTAT 914-005	1 Pc							
91	VALVE INLET 905-012	1 Pc							
92	WASHER, THRUST 904-047	3 Pc							
93	WASHER, THRUST 907-048	3 Pc							
94	BEARING KIT 904-007	6 Pc							
95	BEARING KIT 904-036	6 Pc							
96	BEARING KIT 984-863	6 Pc							
97	BEARING KIT 904-315	6 Pc							
98	BEARING KIT 904-105	6 Pc							
99	BEARING KIT 904-028	6 Pc							
100	BEARING KIT 904-313	6 Pc							
101	BEARING KIT 904-308	4 Pc							
102	BEARING KIT 984-833	6 Pc							
103	GASKET 984-071	1 Pc							
104	GASKET 908-326	1 Pc							
105	INJECTOR 997-106	2 Pc							
106	JOINT AND GASKET KIT 995-105	1 Pc							
107	JOINT/GASKET KIT 985-591	1 Pc							
108	KIT, BEARING 984-832	6 KIT							
109	LINER 974-053	8 Pc							
110	PUMP, FUEL INJECTION PUMP 997-182	1 Pc							
111	THERMOSTAT 914-004	2 Pc							
112	THRUST WASHER 904-015	8 Pc							
113	VALVE 929-366	1 Pc							
114	WATER PUMP 998-077	1 Pc							
115	CYLINDER HEAD KIT (90KW PERKINS 1000TG2A) 984-983	2 Pc							
116	FAN BLADE, FOR P110E (90KW) 127-222	2 Pc							
117	HOUSING 973-070	2 Pc							
118	INJECTOR FUEL ASSY 981-123	6 Pc							
119	KIT, BEARING 904-106	4 KIT							
120	KIT, BEARING 904-039	10 KIT							
121	KIT, BOTTOM SERVICE 985-486	2 KIT							
122	KIT CONNECTING ROD BEARING 904-013	12 KIT							
123	KIT PISTON RING 920-004	12 KIT							

**Section VII - SCHEDULE OF REQUIREMENTS
(Bid Price Schedule)**

Package I - 35kW, 60kW, and 80kW FG Wilson Generating Sets

ITEM NO.	DESCRIPTION	QTY.- UNIT	C O D E	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE
				Unit Price of Goods Delivered up to Philippine Port (Phil. Peso)+	Import Duties & other Levies Imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes Imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site (Phil. Peso)-	Total Unit Price E+F+G+H	Local Currency (Phil. Peso) ((E+F+G+H) x C)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
124	KIT PISTON RING 985-246	5 KIT							
125	KIT PISTON RING 903-019	12 KIT							
126	KIT TOP JOINT AND GASKET 985-569	6 KIT							
127	PUMP, WATER 913-326	2 Pc							
128	WASHER, THRUST 904-016	10 Pc							
129	RING KIT, PISTON 903-019	3 Pc							
171	BIG END BEARING (STD) 60KW FGW (MODEL: P65E3), PN: 10000-45434	4 PC							
172	BOTTOM GASKET KIT 80KW FGW (MODEL: P88E1), PN: 10000-02859	2 PC							
173	CONNECTING ROD ASSEMBLY 60KW FGW (MODEL: P65E3), PN: PPL039684/915-814	12 PC							
174	COVER, CYLINDER HEAD 60KW FGW (MODEL: P65E3), PN: 10000-16270	1 PC							
175	FUEL INJECTOR NO.1 60KW FGW (MODEL: P65E3), PN: 10000-00084	3 PC							
176	FUEL INJECTOR NO.1 60KW FGW (MODEL: P65E3), PN: 10000-00085	3 PC							
177	FUEL INJECTOR NO.3 60KW FGW (MODEL: P65E3), PN: 10000-00086	3 PC							
178	FUEL INJECTOR PIPE NO.1 80KW FGW (MODEL: P88E1), PN: 10000-02554	2 PC							
179	FUEL INJECTOR PIPE NO.2 80KW FGW (MODEL: P88E1), PN: 10000-02555	2 PC							
180	FUEL INJECTOR PIPE NO.3 80KW FGW (MODEL: P88E1), PN: 10000-07625	2 PC							
181	FUEL INJECTOR PIPE NO.4 80KW FGW (MODEL: P88E1), PN: 10000-02557	2 PC							
182	GASKET - TIMING CASE COVER 60KW FGW (MODEL: P65E3), PN: 915-783	6 PC							
184	GASKET, BOTTOM OVERHAULING 60KW FGW (MODEL: P65E3), PN: 10000-00058	5 PC							
185	GASKET, CYLINDER HEAD 80KW FGW (MODEL: P88E1), PN: 916-535	3 PC							
188	GASKET, CYLINDER HEAD 60KW FGW (MODEL: P65E3), PN: 10000-00071	3 PC							
187	GASKET, SUMP 80KW FGW (MODEL: P88E1), PN: 915-782	2 PC							
188	INJECTOR ASSY, 80KW FGW (MODEL: P88E1), PN: 10000-00270	3 PC							
189	KIT, BIG END BEARING 80KW FGW (MODEL: P88E1), PN: 10000-010855	3 KIT							
190	KIT, PISTON AND RING 60KW FGW (MODEL: P65E3)	3 KIT							
191	KIT, PISTON AND RING 80KW FGW (MODEL: P88E1)	3 KIT							
193	MAIN BEARING ASSY (STD) 80KW FGW (MODEL: P88E1), PN: 998-711/ 10000-46809	3 PC							
194	MAIN BEARING ASSY, (STD) 60KW FGW (MODEL: P65E3), PN: 10000-47144	2 PC							
195	OIL SEAL, FRONT 60KW FGW (MODEL: P65E3), PN: 10000-04364	3 PC							

**Section VII - SCHEDULE OF REQUIREMENTS
(Bid Price Schedule)**

Package I - 35kW, 60kW, and 80kW FG Wilson Generating Sets

ITEM NO.	DESCRIPTION	QTY.- UNIT		* C O D E	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE
					Unit Price of Goods Delivered up to Philippine Port (Phil. Peso)+	Import Duties & other Levies imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site (Phil. Peso)-	Total Unit Price E+F+G+H	Local Currency (Phil. Peso) ((E+F+G+H) x C)
(A)	(B)	(C)		(D)	(E)	(F)	(G)	(H)	(I)	(J)
198	OIL PUMP GASKET 60KW FGW (MODEL: P65E3), PN: 10000-00114	4	PC							
198	TOP GASKET KIT 60KW FGW (MODEL: P65E3), PN: 10000-00116	3	PC							
199	TOP GASKET KIT 80KW FGW (MODEL: P88E1), PN: 10000-00116/ 10000-00285	3	PC							
200	VALVE COVER GASKET 60KW FGW (MODEL: P65E3), PN: 10000-00105	3	PC							
202	VALVE SEAT, INSERT 60KW FGW (MODEL: P65E3), PN: 10000-17034	10	PC							
203	VALVE SEAT, INSERT EXHAUST 60KW FGW (MODEL: P65E3), PN: 10000-15372	12	PC							
204	VALVE, EXHAUST 80KW FGW (MODEL: P88E1), PN: 998-702	2	PC							
205	VALVE, EXHAUST 60KW FGW (MODEL: P65E3), PN: 998-702	22	PC							
206	VALVE, INLET 80KW FGW (MODEL: P88E1), PN: 998-701	6	PC							
207	VALVE, INLET 60KW FGW (MODEL: P65E3), PN: 998-701	18	PC							
TOTAL										P _____
(Amount in Words)										

- * Bidders shall enter a code representing the Country of Origin of all imported equipment, materials and accessories
- + Cost of equipment, freight, insurance, etc. up to Phil. port of entry
- Unit Price for Local Transportation, Insurance and other local costs incidental to delivery of the goods from the Phil port of entry to final delivery site

Note: Final delivery sites of Spare parts shall be at NPC-QM-BOD, Peñafrañcia, Daraga, Albay

Code	Country of Origin

Name of Bidder: _____

Signature of Bidder: _____

**Section VII - SCHEDULE OF REQUIREMENTS
(Bid Price Schedule)**

Package II - 150kW FG Wilson Generating Sets

ITEM NO.	DESCRIPTION	QTY.- UNIT	* C O D E	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE	
				Unit Price of Goods Delivered up to Philippine Port (Phil. Peso)+	Import Duties & other Levies Imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes Imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site (Phil. Peso)-	Total Unit Price E+F+G+H	Local Currency (Phil. Peso) ((E+F+G+H) x C)	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
1	PISTON AND RING KIT	10000-68875	16	PC						
2	REAR HOUSING SEAL	998-712	10	PC						
3	VALVE SEAT INSERT	10000-79309	17	PC						
4	INJECTOR	10000-60117	10	PC						
5	INJECTOR	997-106	25	PC						
58	BEARING, NDE, 6308 2RSC3	10000-62215	2	PC						
59	BIG END BEARING KIT	10000-52821	2	PC						
60	CAMSHAFT	10000-60145	1	PC						
61	CON ROD ASSEMBLY	10000-49712	6	PC						
62	FUEL LIFT PUMP	10000-60118	1	PC						
63	GASKET	10000-05742	3	PC						
64	INJECTOR WASHER	988-857	2	PC						
65	KIT, PISTON/RING	10000-60133	3	PC						
66	KIT, WATER PUMP	10000-82615	2	PC						
67	MAIN BEARING KIT	10000-55650	6	PC						
68	PISTON RING KIT	10000-05804	6	PC						
69	PUSH ROD	967-003	2	PC						
70	REAR HOUSING SEAL	998-712	1	PC						
71	SEAL INJECTOR	10000-00097	6	PC						
72	THRUST WASHER KIT	10000-52810	9	PC						
73	TURBOCHARGER	10000-61759	2	PC						
130	THERMOSTAT ASSEMBLY	10000-61301	2	PC						
131	BIG END BEARING KIT	10000-52821	8	PC						
132	BEARING, CONNECTING ROD	10000-49712	1	PC						
133	COOLANT LEVEL SENSOR	622-312	2	PC						
134	FUEL INJECTION PUMP	10000-68623	1	PC						
135	FUEL LIFT PUMP	10000-60118	4	PC						
136	GASKET, ROCKER COVER	10000-60136	6	PC						
137	GASKET, TIMING CASE	10000-05411	4	PC						
138	KIT, PISTON/RING	10000-60133	12	PC						
139	BEARING KIT, MAIN	10000-55650	5	PC						
140	NDE BEARING 6308 2RSC3	10000-62215	2	PC						
141	OIL PUMP	10000-79400	2	PC						
142	PISTON RING KIT	10000-05804	18	PC						
143	SEAL - FRONT END OIL	10000-05563	4	PC						
144	SEAL - VALVE STEM	916-160	8	PC						
145	SEAL - VALVE STEM	10000-00118	8	PC						
146	SEAL, INJECTOR	10000-00091	12	PC						
147	SEAL-REAR END OIL	10000-60190	2	PC						
148	SMALL END BUSH	10000-05616	4	PC						
149	TAPPET	10000-71516	24	PC						
150	THERMOSTAT ASSEMBLY	10000-61301	2	PC						
151	THERMOSTAT ASSEMBLY	10000-60205	2	PC						
152	THRUST WASHER	915-734	2	PC						
153	THRUST WASHER KIT	10000-52810	18	PC						
154	THRUST WASHER KIT-O/S	10000-67816	2	PC						
155	TIMING CASE	10000-05889	4	PC						
156	TURBOCHARGER	10000-61759	2	PC						
157	VALVE ASSEMBLY	60315/ 10000-60287	3	PC						
158	VALVE COLLET	10000-57653	2	PC						
159	VALVE COVER	10000-60241	24	PC						
160	VALVE GUIDE EXHAUST	10000-60143	6	PC						

**Section VII - SCHEDULE OF REQUIREMENTS
(Bid Price Schedule)**

Package II - 150kW FG Wilson Generating Sets

ITEM NO.	DESCRIPTION	QTY.-UNIT	* C O D E	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE
				Unit Price of Goods Delivered up to Philippine Port (Phil. Peso)+	Import Duties & other Levies Imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes Imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site (Phil. Peso)<	Total Unit Price E+F+G+H	Local Currency (Phil. Peso) ((E+F+G+H) x C)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
161	VALVE GUIDE INTAKE 10000-60143	24 PC							
162	VALVE SEAT INSERT 10000-79308	18 PC							
163	VALVE SEAT INSERT 10000-79309	12 PC							
164	VALVE SPRING 10000-60137	16 PC							
165	VALVE SPRING 10000-67811	36 PC							
166	VALVE STEM SEAL SPRING 10000-60351	16 PC							
167	WASHER 10000-60202	6 PC							
168	WATER PUMP KIT 10000-60387	1 PC							
169	BEARING KIT, MAIN 150KW FGW (MODEL: P165-5), PN: 10000-70478	2 KIT							
170	BEARING, NDE, 6308 2RSC3 150KW FGW (MODEL: P165-5), PN: 10000-62215	2 PC							
183	GASKET - WATER PUMP 150KW FGW (MODEL: P165-5), PN: 915-785	2 PC							
192	KIT, WATER PUMP 150KW FGW (MODEL: P165-5), PN: 10000-82615	2 PC							
197	SEAL - ROCKER BOX COVER 150KW FGW (MODEL: P165-5), PN: 10000-60136	2 PC							
201	VALVE GUIDE - INTAKE 150KW FGW (MODEL: P165-5), PN: 10000-60143	1 PC							
208	COOLANT INHIBITOR 150KW FGW (MODEL: P165-5), PN: 10000-17033	3 PC							
209	GASKET, CYLINDER HEAD (I)	9 PC							
210	VALVE EXHAUST (I)	28 PC							
TOTAL									_____
									(Amount in Words)

- * Bidders shall enter a code representing the Country of Origin of all Imported equipment, materials and accessories
- + Cost of equipment, freight, insurance, etc. up to Phil. port of entry
- < Unit Price for Local Transportation, insurance and other local costs incidental to delivery of the goods from the Phil port of entry to final delivery site

Note: Final delivery sites of Spare parts shall be at NPC-OM-BOD, Peñafrancia, Daraga, Albay

Code	Country of Origin

Name of Bidder: _____

Signature of Bidder: _____

**Section VII - SCHEDULE OF REQUIREMENTS
(Bid Price Schedule)**

Package III - 450 & 600kW FG Wilson Generating Sets

ITEM NO.	DESCRIPTION	QTY.- UNIT	* C O D E	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE
				Unit Price of Goods Delivered up to Philippine Port (Phil. Peso)+	Import Duties & other Levies Imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes Imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site (Phil. Peso)-	Total Unit Price E+F+G+H	Local Currency (Phil. Peso) ((E+F+G+H) x C)
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
6	THRUST WASHER KIT 997-052	2	PC						
7	SLEEVE 998-641	6	PC						
8	BAND 996-782	6	PC						
9	CYLINDER LINER 10000-04243	6	PC						
10	GASKET-CYLINDER HEAD 997-725	1	PC						
11	GASKET-TIMMING CASE 996-876	1	PC						
12	INJECTOR EXCHANGE 10000-061209	6	PC						
13	JOINT, ROCKER COVER 998-948	1	PC						
14	MAIN BEARING KIT-US 10000-27023	1	PC						
15	O-RING 934-832	4	PC						
16	OIL COOLER 996-908	1	PC						
17	O-RING 996-647	1	PC						
18	O-RING 996-853	1	PC						
19	O-RING 996-808	6	PC						
20	ORING SEAL 996-734	1	PC						
21	ORING SEAL 996-659	12	PC						
22	PISTON RING KIT 10000-07686	6	PC						
23	ROLLER BEARING 996-960	1	PC						
24	SEAL 934-831	1	PC						
25	SEAL-FRONT END OIL 998-772	1	PC						
26	SEAL-ORING 10000-60001	1	PC						
27	SEAL-O RING 10000-60000	1	PC						
28	SEAL-O RING 10000-49587	4	PC						
29	SEAL- O RING 996-731	1	PC						
30	SEAL- O RING 996-773	1	PC						
31	SEAL- O RING 996-811	6	PC						
32	SEAL-ORING 996-812	6	PC						
33	SEAL-ORING 996-682	1	PC						
34	SEAL-O RING 996-746	1	PC						
35	SEAL- O RING 996-990	6	PC						
36	SEAL- O RING 10000-64947	1	PC						
37	SEAL- O RING 996-658	2	PC						
38	SEAL- O RING 934-829	2	PC						
39	SEAL-ORING 996-680	2	PC						
40	SEAL-ORING, CYLINDER HEAD 996-794	12	PC						
41	SEAL-OIL 996-783	6	PC						
42	SEAL-OIL 996-785	6	PC						
43	SEAL-OIL 998-188	6	PC						
44	SEAL-OIL, REAR END OIL 998-753	1	PC						
45	SEAL-SUMP 996-904	1	PC						
46	SEAL-KIT 934-788	6	PC						
47	SHAFT 973-260	1	PC						
48	BUSHING, CAMSHAFT 997-708	1	UNIT						
49	LUBE OIL FILTER (OEM) INTENDED FOR 560KW DALE FG WILSON ENGINE MODEL: 3012TAG-2A, L: 19CM, OUTSIDE DIA: 11CM, INSIDE DIA: 3 CM 996-451	10	PC						
50	AIR FILTER ASSEMBLY \$551/A	36	PC						
51	BELT, TIMING 541/398	12	PC						
52	FILTER ASSY., FUEL SE4298/A	36	PC						
53	FILTER, OIL, 4324909 4324909	36	PC						
54	INJECTOR ASSEMBLY 85826	6	PC						

**Section VII - SCHEDULE OF REQUIREMENTS
(Bid Price Schedule)**

Package III - 450 & 600KW FG Wilson Generating Sets

ITEM NO.	DESCRIPTION	QTY.- UNIT		C O D E	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE
					Unit Price of Goods Delivered up to Philippine Port (Phil. Peso)+	Import Duties & other Levies imposed by Phil. Govt. (Phil. Peso)	Value Added Tax and other Taxes imposed by Phil. Govt. (Phil. Peso)	Local Transport from Port to Delivery Site (Phil. Peso)<	Total Unit Price E+F+G+H	Local Currency (Phil. Peso) ((E+F+G+H) x C)
(A)	(B)	(C)		(D)	(E)	(F)	(G)	(H)	(I)	(J)
55	PUMP, WATER SE145K	1	PC							
56	REPAIR KIT, TURBOCHARGER Y0300035	1	PC							
57	V-BELT, FAN DRIVE 541439	12	PC							
74	ACTUATOR 680/112	1	PC							
TOTAL										P _____
									(Amount in Words)	

- * Bidders shall enter a code representing the Country of Origin of all imported equipment, materials and accessories
- + Cost of equipment, freight, insurance, etc. up to Phil. port of entry
- < Unit Price for Local Transportation, insurance and other local costs incidental to delivery of the goods from the Phil port of entry to final delivery site

Note:

Final delivery sites of Spare parts shall be at NPC-OM-BOD, Pefafrañcia, Daraga, Albay

Code	Country of Origin

Name of Bidder: _____

Signature of Bidder: _____