

# REPUBLIC OF THE PHILIPPINES NATIONAL POWER CORPORATION

(Pambansang Korporasyon sa Elektrisidad)

# **BID DOCUMENTS**

Name of Project : SUPPLY AND DELIVERY OF CONSOLIDATED

PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF

MQNLOD.

PR Nos. : \$1-MQN24-003, \$1-MQN24-004, \$1-MQN24-005,

S1-MQN24-006 & S1-MQN24-007

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PART I – Technical Specifications
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(Bid Price Schedule)

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#### **ATTACHMENT 1**

PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007
SUPPLY AND DELIVERY OF CONSOLIDATED SPARE PARTS FOR CUMMINS GENERATING SETS OF
MQNLOD, ENGINE MODELS: 6BTAA5.9-G2 & G12, 6LTAA8.9-G3, KTA19-G2, KTA38-G1 AND QSK23-G3

PACKAGE I: PR NO. 51-MQN24-003: Spare Parts for 80kW & 100kW Cummins, Engine Model: 6BTAA5.9-G2 & G12, Engine Nos. 87205475 & 78507376

ITEM	DESCRIPTION	PART NO.	Q.	ΓΥ	UNIT PRICE	TOTAL PRICE
1	SET, UPPER ENGINE GASKET	4089649	7	PC	7,020.00	49,140.00
2	SEAL, RECTANGULAR RING	C3909356	42	PC	60.00	2,520.00
3	COLLET, VALVE	C3900250	168	PC	85.00	14,280.00
4	VALVE, EXHAUST	C4994143	42	PC	385.00	16,170.00
5	VALVE, INTAKE	C4995554	42	PC	385.00	16,170.00
6	RETAINER, VALVE SPRING	C3957913	84	PC	80.00	6,720.00
7	GASKET, EXHAUST CONNECTION	C4928804	7	PC	500.00	3,500.00
8	GASKET, EXHAUST CONNECTION	C4928805	14	PC	550.00	7,700.00
9	TAPPET VALVE	C3931623	60	PC	515.00	30,900.00
10	GASKET, OIL PAN	C3959052	5	PC	515.00	2,575.00
11	RING, COMPRESSION PISTON	C3904531	30	PC	450.00	13,500.00
12	RING, COMPRESSION PISTON	C3918315	30	PC	450.00	13,500.00
13	RING, OIL PISTON	C3932520	30	PC	500.00	15,000.00
14	BEARING, CONNECTING ROD	C3969562	30	PC	200.00	6,000.00
15	BEARING, CONNECTING ROD	C4893693	30	PC	200.00	6,000.00
16	BEARING, MAIN	C3978818	30	PC	260.00	7,800.00
17	BEARING MAIN	C3978820	35	PC	205.00	7,175.00
18	BEARING, THRUST	C3978822	5	PC	670.00	3,350.00
19	BUSHING	C3901306	5	PC	185.00	925.00
20	LINER, CYLINDER	C3904166	30	PC	1,545.00	46,350.00
21	RING, RETAINING	C3920691	60	PC	100.00	6,000.00
22	PISTON, ENGINE	C3926631	30	PC	1,850.00	55,500.00
23	PIN, PISTON	C3934047	30	PC	600.00	18,000.00
24	GASKET, GEAR HOUSING	C3938156	5	PC	310.00	1,550.00
25	GASKET, REAR COVER	C3938159	5	PC	105.00	525.00
26	SEAL, RECTANGULAR RING	C3912473	5	PC	235.00	1,175.00
27	SEAL, OIL	C3968563	5	PC	1,175.00	5,875.00
28	SEAL, OIL	C4982415	5	PC	515.00	2,575.00
29	SEAL, OIL	C4991305	5	PC	260.00	1,300.00
30	GASKET, GEAR COVER	D3918673	5	PÇ	1,840.00	9,200.00
31	GASKET, FILTER HEAD	C3942915	5	PC	600.00	3,000.00
32	GASKET, OIL COOLER CORE	C5266445	5	PC	250.00	1,250.00
33	SEAL, RECTANGULAR RING	C3906696	5	PC	130.00	650.00
34	PUSH ROD	C3284377	60	PC	130.00	7,800.00
35	SUPPORT, ROCKER LEVER	C3934920	30	PC	1,500.00	45,000.00
36	SEAL, RECTANGULAR RING	C3906697	5	PC	150.00	750.00
37	SEAL, RECTANGULAR RING	C3906698	5	PC	260.00	1,300.00
38	SPRING, VALVE	C3916671	30	PÇ	250.00	7,500.00
39	SPRING, VALVE	C3926700	30	PC	250.00	7,500.00
40	FLANGE, CRANKSHAFT	C5265057	4	PC	4,500.00	18,000.00
41	CONNECTION, SPACER	C5266557	4	PC	1,500.00	6,000.00
42	CAP, MAIN BEARING	C3903492	14	PC	825.00	11,550.00

42	CEAR CRANKSHAFT	6200000	1 2	50	4.000.00	2 242 22
43	GEAR, CRANKSHAFT	C3929027	2	PC	1,925.00	3,850.00
44	CRANKSHAFT, ENGINE	C3929037	2	ASSY	150,000.00	300,000.00
45 46	NOZZLE, PISTON COOLING	C3937214	12	PC PC	280.00	3,360.00
47	HOUSING, GEAR	C5267783	4	PC	8,000.00 1,030.00	32,000.00 4,120.00
48	DAMPER, VIBRATION THERMOSTAT	C3973659	20	PC		30,000.00
49		C4930315	4	PC	1,500.00	
50	ALTERNATOR SERVED	C3972529		PC	5,240.00	20,960.00
51	SENSOR, SPEED	C3971994	40	PC	940.00	37,600.00
	PULLEY, FAN	C3914458	4		5,000.00	20,000.00
52	SUPPORT, FAN	C4932907	4	PC	7,500.00	30,000.00
53	HEAD, FUEL FILTER	C3930969	4	PC	850.00	3,400.00
54	HEAD, FUEL FILTER	C4989118	4	PC	650.00	2,600.00
55 	TUBE, FUEL SUPPLY	C5273909	4	PC	1,000.00	4,000.00
56	TUBE, FUEL SUPPLY	C3977536	4	PC	1,000.00	4,000.00
57	FAN, ENGINE	C4931807	2	PC	3,090.00	6,180.00
58	ADAPTER, FAN	C4931791	2	PC	3,000.00	6,000.00
59	GEAR, FUEL PUMP	C3960730	4	PC	3,000.00	12,000.00
60	PUMP, FUEL INJECTION	C5318046	2	PC	51,480.00	102,960.00
61	PUMP, FUEL INJECTION	C5267707	2	PC	51,480.00	102,960.00
62	PUMP, FUEL TRANSFER	C5334912	2	PC	1,800.00	3,600.00
63	PUMP, FUEL TRANSFER	C4937767	2	PC	1,800.00	3,600.00
64	TUBE, FUEL SUPPLY	C4940671	2	PC	1,000.00	2,000.00
65	MANIFOLD, FUEL	C4931027	4	PC	3,170.00	12,680.00
66	TUBE, FUEL DRAIN	C5301453	4	PC	1,500.00	6,000.00
67	PIPE, AIR TRANSFER	C4935790	4	PC	4,500.00	18,000.00
68	HEAD, LUBE OIL FILTER	C4934217	4	PC	1,805.00	7,220.00
69	CORE, COOLER	C3957544	4	PC	1,535.00	6,140.00
70	PUMP, LUBRICATING OIL	C4939587	4	PC	3,350.00	13,400.00
71	CONNECTION, OIL SUCTION	C3921992	4	PC	7,425.00	29,700.00
72	PAN, OIL	C3915703	1	PC	7,450.00	7,450.00
73	SUPPORT, CAMSHAFT THRUST	C3927155	4	PC	130.00	520.00
74	GEAR, CAMSHAFT	C3929028	4	PC	1,925.00	7,700.00
75	CAMSHAFT	C3970366	2	PC	7,815.00	15,630.00
76	INJECTOR	C4943468	24	PC	2,575.00	61,800.00
77	INJECTOR	C4948366	24	PC	2,575.00	61,800.00
78	ROD, ENGINE CONNECTING	C4943979	24	PC	2,340.00	56,160.00
79	TURBOCHARGER	C3767251	4	PC	12,870.00	51,480.00
80	TURBOCHARGER	C3788390	4	PC	12,870.00	51,480.00
81	HEAD, CYLINDER	C5254535ZZ	4	PC	27,200.00	108,800.00
82	HEAD, CYLINDER	C4981002	4	PC	27,200.00	108,800.00
83	TUBE, INJECTOR FUEL SUPPLY	C3960464	4	PC	1,380.00	5,520.00
84	TUBE, INJECTOR FUEL SUPPLY	C3960465	4	PC	1,380.00	5,520.00
85	TUBE, INJECTOR FUEL SUPPLY	C4929779	4	PC	1,380.00	5,520.00
86	TUBE, INJECTOR FUEL SUPPLY	C4931029	4	PC	1,380.00	5,520.00
87	RELAY	C4988354	4	PC	520.00	2,080.00
88	SENSOR, TEMPERATURE	C3967250	10	PC	940.00	9,400.00
89	MOTOR, STARTING	C4935789	4	PC	5,150.00	20,600.00
90	RELAY	C5266538	4	PC	520.00	2,080.00
91	MANIFOLD, EXHAUST	C3970066	4	PC	5,000.00	20,000.00
92	HOUSING, THERMOSTAT	C5257270	4	PC	2,500.00	10,000.00
93	CONNECTION, WATER INLET	C3973197	4	PC	4,125.00	16,500.00

94	PUMP, WATER	C4935793	4	PC	1,600.00	6,400.00
95	TENSIONER, BELT	C3937553	4	PC	2,575.00	10,300.00
96	RADIATOR	N/A	2	ASSY	120,000.00	240,000.00
97	RADIATOR	N/A	2	ASSY	120,000.00	240,000.00
98	RADIATOR	N/A	2	ASSY	120,000.00	240,000.00
99	CONTROL, GOVERNOR	N/A	4	PC	15,450.00	61,800.00
					TOTAL	2,742,465.00

1 GASKET KIT, TOP OVERHAULING 4089758 8 PC 7,020.00 55,160. 2 COLIET, VALVE 3900250 384 PC 85.00 32,640. 3 VALVE, INSERT INTAKE 3940152 96 PC 330.00 31,680. 4 INSERT, VALVE EXHAUST 3968074 95 PC 330.00 31,680. 5 RETAINER, VALVE SPRING C3944452 192 PC 280.00 53,760. 6 VALVE, INTAKE D3942588 96 PC 400.00 38,460. 7 VALVE EXHAUST D3942589 96 PC 400.00 38,460. 8 VALVE STEM GUIDE 4934063 12.0 PC 95.00 11,460. 9 ROD, PUSH C3964715 60 PC 235.00 14,160. 10 VALVE TAPPET C3965966 60 PC 1,030.00 16,1800. 11 GASKET, OIL COOLER CORE C3918174 5 PC 470.00 2,350. 12 GASKET, LUB OIL CLR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, CONNECTION AIR C3917892 5 PC 420.00 2,100. 14 RING, OIL PISTON C3943129 30 PC 845.00 25,350. 15 RING, COMPRESSION PISTON C3948412 30 PC 845.00 25,350. 16 RING, COMPRESSION PISTON C3964073 30 PC 845.00 25,350. 17 BEARING, CONNECTING ROD C3956644 30 PC 375.00 11,260. 19 RING, RETAINING C3944158 18 PC 230.00 4,140. 20 GASKET, OIL ROWER C3929011 5 PC 470.00 12,350. 18 BEARING, CONNECTING ROD C3956644 30 PC 375.00 11,250. 19 RING, RETAINING C3924159 30 PC 845.00 25,350. 19 RING, RETAINING C3924159 30 PC 375.00 11,250. 20 GASKET, OIL ROWER C3929011 5 PC 470.00 4,140. 21 BEARING, MAIN C3944153 18 PC 230.00 4,140. 22 BEARING, MAIN C3944158 21 PC 230.00 4,140. 23 BEARING, CONNECTING ROD C3956654 30 PC 375.00 11,250. 24 LURER, CYLINDER C3948095 18 PC 2,110.00 37,980. 25 SEAL, DEL RECTANGULAR RING C3914269 18 PC 230.00 4,140. 25 SEAL, OIL C3946550 3 PC 300.00 1,470. 26 SEAL, OIL C3946564 3 PC 230.00 1,470. 27 GASKET, OIL PAN C3973509 5 PC 450.00 1,470. 28 SEAL, OIL C3946566 3 PC 230.00 1,470. 29 SEAL, OIL C3946566 3 PC 230.00 1,470. 31 PIN, PISTON C3993653 3 PC 360.00 1,980. 31 PIN, PISTON C3993654 3 PC 230.00 1,470. 32 SEAL, OIL C3946564 3 PC 230.00 1,470. 33 SEAL, OR RING C3944558 3 PC 360.00 1,080. 34 SEAL, OR RING C3944568 3 PC 375.00 1,430. 35 SEAL, OR RING C3946968 3 PC 470.00 1,470. 36 SEAL, OR RING C3946968 3 PC 470.00 1,470. 36 SEAL, OR RING C3946968 3 PC 470.00 1,470. 37 SEAL, OR RING C3946968 4 PC 3,75		II: PR NO. S1-MQN24-004: Spare Parts for 200kW Cummins, Engine Model: 6LTAA8.9-G3, Engine No. 87205475							
2 COLLET, VALVE 3900250 384 PC 85.00 32,640. 3 VALVE, INSERT INTAKE 3940152 96 PC 330.00 31,680. 4 INSERT, VALVE EXHAUST 366074 96 PC 330.00 31,680. 5 RETAINER, VALVE EXHAUST 3960074 96 PC 330.00 53,760. 6 VALVE, INTAKE D3942588 96 PC 400.00 38,440. 7 VALVE STEM GIIDE 4934063 120 PC 95,00 11,400. 9 ROD, PUSH C3964715 60 PC 235.00 14,100. 10 VALVE STEM GIIDE 4934063 120 PC 95,00 14,400. 11 GASKET, OIL COOLER CORE C3918174 5 PC 470.00 2,350. 12 GASKET, LUB OIL CIR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, COLL COULER CORE C3918174 5 PC 470.00 2,350. 14 RING, OIL PISTON C3948412 30 PC 860.00 25,350. 15 RING, COMPRESSION PISTON C3948412 30 PC 860.00 25,350. 16 RING, COMPRESSION PISTON C3964073 30 PC 845.00 25,350. 17 BEARING, CONNECTING ROD C3950661 30 PC 375.00 11,250. 18 BEARING, CONNECTING ROD C3950664 30 PC 375.00 11,250. 19 RING, RETAINING C3920692 60 PC 300.00 14,100. 19 RING, RETAINING C3920692 60 PC 300.00 14,100. 20 GASKET, OIL PAN C3934153 18 PC 230.00 14,100. 21 BEARING, MAIN C3944158 11 PC 230.00 4,830. 22 BEARING, MAIN C3944158 12 PC 230.00 4,830. 23 BEARING, CRASHAFT THRUST C3994163 3 PC 450.00 1,470. 24 LINER, CYLINDER C3948095 18 PC 210.00 37,980. 25 SEAL, PC TANGULAR RING C392473 3 PC 375.00 1,250. 27 GASKET, CIR PAN C3993553 3 PC 375.00 1,250. 28 SEAL, OIL C39468662 3 PC 660.00 1,980. 30 GASKET, COINDECTION C39468662 3 PC 660.00 1,980. 31 PIN, PISTON C3946353 3 PC 375.00 1,250. 33 BEARING, CARSHAFT THRUST C3993153 3 PC 375.00 1,125. 34 SEAL, OIL C394695 18 PC 2,100.00 37,980. 35 SEAL, OIL C3946963 3 PC 550.00 1,980. 36 SEAL, ORING C394648 3 PC 550.00 2,275. 37 GASKET, REAR COVER C39939553 3 PC 375.00 1,125. 38 SEAL, OIL C3946964 3 PC 550.00 1,980. 39 GASKET, CONNECTION C39469698 3 PC 200.00 4,830. 30 GASKET, CONNECTION C39469698 3 PC 200.00 1,440. 39 GASKET, CARROULAR C394791 3 PC 550.00 1,440. 39 GASKET, CARROULAR C394791 3 PC 550.00 1,440. 39 GASKET, CARROULAR C394791 3 PC 375.00 1,440. 39 GASKET, CARROULAR C394791 3 PC 470.00 1,440. 39 GASKET, CARROULAR C394791 3 PC 470.00 1,440. 30 GASKET,	ITEM	DESCRIPTION	PART NO.	Q.	ΓY	UNIT PRICE	TOTAL PRICE		
3 VALVE, INSERT INTAKE 3940152 96 PC 330.00 31,680. 4 INSERT, VALVE EXHAUST 3968074 95 PC 330.00 31,680. 5 RETAINER, VALVE SPRING C3944452 192 PC 280.00 53,760. 6 VALVE, INTAKE D3942588 96 PC 400.00 38,400. 7 VALVE EXHAUST D3942589 96 PC 400.00 38,400. 8 VALVE STEM GUIDE 4934063 120 PC 95.00 11,400. 10 VALVE STEM GUIDE C3964715 60 PC 255.00 14,100. 11 GASKET, OLI COOLER CORE C3918174 5 PC 455.00 2,275. 12 GASKET, LIB OIL CLR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, LIB OIL CLR COVER C3929011 5 PC 470.00 2,400. 14 RING, OIL PISTON C394812 30 PC 885.00 24,000. 15 RING, COMPRESSION PISTON C394812 30 PC 885.00 25,350. 17 BEARING, CONNECTING ROD C3956661 30 PC 885.00 25,350. 17 BEARING, CONNECTING ROD C39566244 30 PC 885.00 25,350. 18 BEARING, CONNECTING ROD C39566244 30 PC 470.00 11,250. 19 RING, RETAINING C39273509 5 PC 470.00 11,250. 20 GASKET, OIL PAN C3973509 5 PC 455.00 2,275. 21 BEARING, CONNECTING ROD C395661 30 PC 375.00 11,250. 20 GASKET, OIL PAN C3973509 5 PC 470.00 4,410. 21 BEARING, CONNECTING ROD C39566244 30 PC 470.00 4,410. 22 BEARING, CANNECTING ROD C39566244 30 PC 470.00 4,410. 23 BEARING, CRASHAFT THRUST C3994153 18 PC 230.00 4,140. 24 LURRE, CYLINDER C3944158 21 PC 230.00 4,140. 25 SEAL, RETAINGLAR C3944158 12 PC 230.00 4,140. 26 SEAL, RECTANGULAR C3943158 3 PC 490.00 1,470. 27 GASKET, REAR COVER C3939353 3 PC 350.00 1,250. 30 GASKET, CONNECTION C3956566 3 PC 550.00 1,080. 31 PIN, PISTON C3956563 3 PC 560.00 1,080. 31 PIN, PISTON C3956564 3 PC 550.00 1,080. 32 SEAL, OIL C39452535 3 PC 360.00 1,980. 33 BUSHING, CRASHAFT THRUST C3994163 3 PC 250.00 705. 34 SEAL, OIL C39452535 3 PC 360.00 1,470. 35 SEAL, OIL C39452535 3 PC 360.00 1,470. 36 SEAL, OIL C39452535 3 PC 360.00 1,470. 37 GASKET, CANNECTION C3956566 3 PC 660.00 1,980. 39 GASKET, CONNECTION C3956564 3 PC 660.00 1,980. 30 GASKET, CONNECTION C3956564 3 PC 510.00 0,980. 31 PIN, PISTON C3956564 3 PC 510.00 0,980. 31 PIN, PISTON C3956564 3 PC 510.00 0,980. 31 PIN, PISTON C3956564 3 PC 510.00 0,980. 32 PSTANC, CANNECTION C3956564 4 PC 3,750.00	1	GASKET KIT, TOP OVERHAULING	4089758	8	PC	7,020.00	56,160.00		
4 INSERT, VALVE EXHAUST 3968074 96 PC 330.00 31.680. 5 RETAINER, VALVE SPRING C3944452 192 PC 280.00 53,760. 6 VALVE, INTAKE D3942588 96 PC 400.00 38,400. 7 VALVE EXHAUST D3942588 96 PC 400.00 38,400. 8 VALVE STEM GUIDE 4934063 120 PC 95.00 11,400. 9 ROD, PUSH C3964715 60 PC 235.00 14,100. 10 VALVE TAPPET C3965966 60 PC 1,030.00 61,800. 11 GASKET, OIL COOLER CORE C3918174 5 PC 455.00 2,275. 12 GASKET, LUB OIL CLR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, COINECTION AIR C3917892 5 PC 470.00 2,350. 14 RING, OIL PISTON C3921919 30 PC 800.00 24,000. 15 RING, COMPRESSION PISTON C3948412 30 PC 845.00 25,350. 16 RING, COMPRESSION PISTON C3946073 30 PC 845.00 25,350. 17 BEARING, CONNECTING ROD C3950661 30 PC 470.00 11,259. 18 BEARING, CONNECTING ROD C3950644 30 PC 470.00 11,259. 19 RING, RETAINING C3920992 60 PC 300.00 18,000. 20 GASKET, OIL PAN C3973509 5 PC 455.00 4,830. 21 BEARING, MAIN C3944158 21 PC 230.00 4,830. 22 BEARING, MAIN C3944158 21 PC 230.00 4,830. 23 BEARING, CRASSHAFT THRUST C3994163 3 PC 490.00 1,470. 24 LINER, CYLINDER C3948095 18 PC 230.00 4,830. 25 SEAL, RECTANGULAR C3997177 18 PC 560.00 10,080. 26 SEAL, RECTANGULAR C3997359 3 PC 350.00 1,980. 26 SEAL, RECTANGULAR C39939353 3 PC 350.00 1,980. 27 GASKET, COINECTION C3956562 3 PC 660.00 1,980. 28 SEAL, OIL C3946567 18 PC 550.00 1,980. 29 SEAL, OIL C3946567 18 PC 550.00 1,980. 30 GASKET, COINECTION C3956569 18 PC 550.00 1,980. 31 PIN, PISTON C395659 18 PC 550.00 1,980. 32 PISTON, ENGINE C3946866 3 PC 550.00 1,980. 33 BUSHING, CAMSHAFT C3945894 18 PC 550.00 1,980. 34 SEAL, O RING C3946969 3 PC 470.00 1,410. 38 SEAL, O RING C3946969 3 PC 470.00 1,410. 39 GASKET, CONNECTION C3966969 3 PC 350.00 1,980. 31 PIN, PISTON C39569698 3 PC 350.00 1,940. 33 BUSHING, CAMSHAFT C3994163 3 PC 470.00 1,410. 39 GASKET, GEAR HOUSING C3946969 3 PC 470.00 1,410. 39 GASKET, GEAR HOUSING C3946969 3 PC 470.00 1,410. 39 GASKET, GEAR HOUSING C3946969 3 PC 470.00 1,410. 39 GASKET, GEAR HOUSING C394698 4 PC 3,750.00 15,000.	2	COLLET, VALVE	3900250	384	PC	85.00	32,640.00		
5         RETAINER, VALVE SPRING         G3944452         192         PC         280.00         53,760.           6         VALVE, INTAKE         D3942588         96         PC         400.00         38,400.           7         VALVE STEM GUIDE         4934063         120         PC         95.00         11,400.           9         ROD, PUSH         C3964715         60         PC         235.00         14,100.           10         VALVE TEM GUIDE         C3965966         60         PC         1,030.00         61,800.           11         GASKET, OLI COOLER CORE         C3918174         5         PC         455.00         2,275.           12         GASKET, LUB OIL CIR COVER         C3929011         5         PC         470.00         2,350.           13         GASKET, CONNECTION AIR         C3917892         5         PC         420.00         2,100.           14         RING, CONPRESSION PISTON         C3948412         30         PC         845.00         25,350.           15         RING, COMPRESSION PISTON         C3946073         30         PC         845.00         25,350.           16         RING, CONNECTING ROD         C3956614         30         PC	3	VALVE, INSERT INTAKE	3940152	96	PC	330.00	31,680.00		
6 VALVE, INTAKE D3942588 96 PC 400.00 38,400. 7 VALVE EXHAUST D3942589 96 PC 400.00 38,400. 8 VALVE STEM GUIDE 4934063 120 PC 95.00 11,400. 9 ROD, PUSH C3964715 60 PC 235.00 14,100. 10 VALVE TAPPET C3965966 60 PC 1,030.00 61,800. 11 GASKET, COLOCLER CORE C3918174 5 PC 455.00 2,275. 12 GASKET, LUB OIL CUR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, CONNECTION AIR C3917892 5 PC 420.00 2,100. 14 RING, OIL PISTON C3921919 30 PC 800.00 24,000. 15 RING, COMPRESSION PISTON C3948412 30 PC 845.00 25,330. 17 BEARING, CONNECTING ROD C3950661 30 PC 845.00 25,330. 17 BEARING, CONNECTING ROD C3950661 30 PC 375.00 11,250. 18 BEARING, CONNECTING ROD C3950661 30 PC 375.00 11,250. 19 RING, RETAINING C3921919 30 PC 470.00 14,100. 19 RING, RETAINING C392692 60 PC 300.00 18,000. 20 GASKET, OLI PAN C3973509 5 PC 455.00 2,275. 21 BEARING, MAIN C3944153 18 PC 230.00 4,140. 22 BEARING, MAIN C3944153 18 PC 230.00 4,140. 23 BEARING, CRAKSHAFT THRUST C3994163 3 PC 230.00 4,140. 24 LINER, CYLINDER C3948095 18 PC 271.00 37,980. 25 SEAL, RECTANGULAR C391777 18 PC 560.00 10,080. 26 SEAL, RECTANGULAR C391777 18 PC 560.00 10,080. 27 GASKET, OLI PON C3950562 3 PC 660.00 1,080. 28 SEAL, OLI C396562 3 PC 300.00 990. 30 GASKET, CONNECTION C3950569 18 PC 271.00 37,980. 25 SEAL, RECTANGULAR C391777 18 PC 560.00 1,080. 26 SEAL, RECTANGULAR C391777 18 PC 560.00 1,080. 27 GASKET, CONNECTION C3950569 3 PC 375.00 1,125. 28 SEAL, OLI C3968562 3 PC 660.00 1,080. 39 GASKET, CONNECTION C3950569 3 PC 375.00 1,125. 31 SEAL, ORING C3950569 3 PC 375.00 1,080. 31 PIN, PISTON C3950569 3 PC 375.00 1,080. 32 PISTON, ENGINE C5302254 18 PC 3,100.00 3,990. 33 BUSHING, CAMSHAFT C3943539 3 PC 360.00 1,080. 34 SEAL, ORING C394098 3 PC 470.00 1,440. 35 SEAL, ORING C394098 3 PC 470.00 1,440. 36 SEAL, ORING C394098 3 PC 470.00 1,440. 37 SEAL, ORING C394098 3 PC 470.00 1,440. 39 GASKET, GRING C394098 4 PC 3,750.00 1,500.	4	INSERT, VALVE EXHAUST	3968074	96	PC	330.00	31,680.00		
7 VALVE EXHAUST D3942589 96 PC 400.00 38,400. 8 VALVE STEM GUIDE 4934063 120 PC 95.00 11,400. 9 ROD, PUSH C3964715 60 PC 235.00 14,100. 10 VALVE TAPPET C3965966 60 PC 1,030.00 61,800. 11 GASKET, OIL COOLER CORE C3918174 5 PC 455.00 2,275. 12 GASKET, LUB OIL CLR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, CONNECTION AIR C3917892 5 PC 420.00 2,100. 14 RING, OIL PISTON C3921919 30 PC 800.00 24,000. 15 RING, COMPRESSION PISTON C3948412 30 PC 845.00 25,350. 16 RING, COMPRESSION PISTON C3964073 30 PC 845.00 25,350. 17 BEARING, CONNECTING ROD C3966244 30 PC 375.00 11,250. 18 BEARING, CONNECTING ROD C3966244 30 PC 470.00 14,100. 19 RING, RETAINING C3920692 60 PC 300.00 18,000. 20 GASKET, OIL PAN C3973509 5 PC 455.00 2,275. 21 BEARING, MAIN C3944153 18 PC 230.00 4,140. 22 BEARING, MAIN C3944153 18 PC 230.00 4,140. 23 BEARING, CRAKSHAFT THRUST C3994163 3 PC 490.00 1,470. 24 LINER, CYLINDER C3948095 18 PC 2,110.00 37,980. 25 SEAL, RECTANGULAR C397177 18 PC 560.00 10,080. 30 GASKET, REAR COVER C3993953 3 PC 375.00 1,128. 28 SEAL, OIL C3942535 3 PC 360.00 1,980. 31 PIN, PISTON C39950549 18 PC 230.00 1,080. 32 SEAL, OIL C3942535 3 PC 360.00 1,080. 33 GASKET, CONNECTION C3950549 18 PC 1,000.00 1,080. 34 SEAL, OR ING C3940386 3 PC 375.00 9.90. 31 PIN, PISTON C39950549 18 PC 1,000.00 1,080. 32 PISTON, ENGINE C530254 18 PC 1,000.00 1,080. 33 BUSHING, CAMSHAFT C39950549 18 PC 1,000.00 1,080. 34 SEAL, OR ING C3940386 3 PC 375.00 1,128. 35 SEAL, OR ING C3940386 3 PC 470.00 1,440. 36 SEAL, OR ING C3940386 3 PC 470.00 1,440. 36 SEAL, OR ING C3940386 3 PC 470.00 1,440. 37 SEAL, OR ING C3940386 3 PC 470.00 1,440. 38 SPANING, CAMSHAFT C3994053 3 PC 1,000.00 3,990. 37 SEAL, OR ING C3940386 3 PC 470.00 1,440. 38 SPANING, CAMSHAFT C3994053 4 PC 470.00 1,440. 39 GASKET, CONNECTION C3940586 3 PC 470.00 1,440. 39 GASKET, CONNECTION C3940586 3 PC 470.00 1,440. 39 GASKET, GEAR HOUSING C3940386 3 PC 470.00 1,440. 39 GASKET, GEAR HOUSING C3940386 4 PC 3,750.00 15.00.	5	RETAINER, VALVE SPRING	C3944452	192	PC	280.00	53,760.00		
8 VALVE STEM GUIDE 4934063 120 PC 95.00 11,400. 9 ROD, PUSH 3964715 60 PC 235.00 14,100. 10 VALVE TAPPET C3965966 60 PC 1,030.00 61,800. 11 GASKET, OLI COOLER CORE C3918174 5 PC 455.00 2,275. 12 GASKET, LIB OIL CLR COVER C3929011 5 PC 455.00 2,350. 13 GASKET, CONNECTION AIR C3917892 5 PC 420.00 2,100. 14 RING, OIL PISTON C3921919 30 PC 80.00 24,000. 15 RING, COMPRESSION PISTON C3948412 30 PC 845.00 25,350. 16 RING, COMPRESSION PISTON C3964073 30 PC 845.00 25,350. 17 BEARING, CONNECTING ROD C3950661 30 PC 375.00 11,250. 18 BEARING, CONNECTING ROD C3966244 30 PC 470.00 14,100. 19 RING, RETAINING C3920692 60 PC 300.00 18,000. 20 GASKET, OIL PAN C3973509 5 PC 455.00 2,275. 21 BEARING, MAIN C394153 18 PC 230.00 4,140. 22 BEARING, MAIN C394153 18 PC 230.00 4,140. 23 BEARING, CRAKSHAFT THRUST C3994163 3 PC 490.00 1,470. 24 LINER, CYLINDER C3948095 18 PC 2,110.00 37,980. 25 SEAL, RECTANGULAR C397177 18 PC 560.00 10,080. 26 SEAL, RECTANGULAR C3993553 3 PC 360.00 10,080. 27 GASKET, OIL PAN C3953559 5 PC 300.00 10,080. 28 SEAL, OIL C3968562 3 PC 660.00 10,080. 30 GASKET, CONNECTION C3950549 18 PC 1,000.00 1,080. 31 PIN, PISTON C3950549 18 PC 375.00 10,080. 32 PISTON, ENGRE C3940386 3 PC 300.00 18,000. 33 BUSHING, CAMSHAFT C3994353 3 PC 360.00 1,080. 34 SEAL, OIL C3968562 3 PC 660.00 1,080. 35 SEAL, ORING C3960886 3 PC 300.00 3,990. 36 SEAL, ORING C3960886 3 PC 470.00 1,410. 36 SEAL, ORING C3960886 3 PC 470.00 1,410. 37 SEAL, ORING C3960886 3 PC 470.00 1,410. 38 SEAL, ORING C396098 3 PC 1,000.00 3,990. 39 SEAL, ORING C396098 3 PC 470.00 1,410. 39 GASKET, CONNECTION C395099 3 PC 1,000.00 3,990. 31 PIN, PISTON C395099 3 PC 200.00 4,410. 36 SEAL, ORING C396098 3 PC 470.00 1,410. 37 SEAL, ORING C396098 3 PC 470.00 1,410. 38 SEAL, ORING C3940386 3 PC 470.00 1,410. 39 GASKET, GEAR HOUSING C3940388 4 PC 3,750.00 15,000.	6	VALVE, INTAKE	D3942588	96	PC	400.00	38,400.00		
9 ROD, PUSH C3964715 60 PC 235.00 14,100. 10 VALVE TAPPET C3965966 60 PC 1,030.00 61,800. 11 GASKET, OIL COOLER CORE C3918174 5 PC 455.00 2,275. 12 GASKET, LUB OIL CLR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, CONNECTION AIR C3917892 5 PC 470.00 2,100. 14 RING, OIL PISTON C3921919 30 PC 800.00 24,000. 15 RING, COMPRESSION PISTON C3948412 30 PC 845.00 25,350. 16 RING, COMPRESSION PISTON C3964073 30 PC 845.00 25,350. 17 BEARING, CONNECTING ROD C3950661 30 PC 375.00 11,250. 18 BEARING, CONNECTING ROD C3966244 30 PC 470.00 14,100. 19 RING, RETAINING C3920692 60 PC 300.00 18,000. 20 GASKET, OIL PAN C3973509 5 PC 455.00 2,275. 21 BEARING, MAIN C3944158 21 PC 230.00 4,140. 22 BEARING, MAIN C3944158 21 PC 230.00 4,140. 23 BEARING, CRAKSHAFT THRUST C3944163 3 PC 490.00 1,470. 24 LINER, CYLINDER C3948095 18 PC 2,110.00 37,980. 26 SEAL, RECTANGULAR RING C3912473 3 PC 375.00 10,080. 27 GASKET, REAR COVER C3939353 3 PC 360.00 1,080. 29 SEAL, OIL C394558 3 PC 360.00 1,080. 31 PIN, PISTON C395549 18 PC 235.00 705. 33 BUSHING, CAMSHAFT C39451658 3 PC 360.00 1,080. 31 PIN, PISTON C3955549 18 PC 1,000.00 1,080. 32 PISTON, ENGINE C3945329 21 PC 190.00 3,990. 33 BUSHING, CAMSHAFT C3955549 18 PC 1,000.00 1,080. 34 SEAL, OIL C3965562 3 PC 660.00 1,080. 35 SEAL, ORING C3940386 3 PC 1,000.00 1,080. 36 SEAL, ORING C3940386 3 PC 1,000.00 3,000. 37 SEAL, ORING C3940386 3 PC 1,000.00 3,000. 38 SPRING, CANSHAFT C3945329 21 PC 190.00 3,990. 39 GASKET, CRING C3940386 3 PC 470.00 1,440. 39 GASKET, GRAR HOUSING C3940386 3 PC 470.00 1,440. 39 GASKET, GRAR HOUSING C394058 4 PC 3,750.00 15,000.	7	VALVE EXHAUST	D3942589	96	PC	400.00	38,400.00		
10	8	VALVE STEM GUIDE	4934063	120	PC	95.00	11,400.00		
11 GASKET, OIL COOLER CORE C3918174 5 PC 455.00 2,275. 12 GASKET, LUB OIL CLR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, CONNECTION AIR C3917892 5 PC 420.00 2,100. 14 RING, OIL PISTON C3921919 30 PC 800.00 24,000. 15 RING, COMPRESSION PISTON C3948412 30 PC 845.00 25,350. 16 RING, COMPRESSION PISTON C3964073 30 PC 845.00 25,350. 17 BEARING, CONNECTING ROD C3950661 30 PC 375.00 11,250. 18 BEARING, CONNECTING ROD C3950661 30 PC 470.00 14,100. 19 RING, RETAINING C3920692 60 PC 300.00 18,000. 20 GASKET, OIL PAN C3973509 5 PC 455.00 2,275. 21 BEARING, MAIN C3944153 18 PC 230.00 4,140. 22 BEARING, MAIN C3944158 21 PC 230.00 4,830. 23 BEARING, CRAKSHAFT THRUST C3994163 3 PC 490.00 1,470. 24 LINER, CYLINDER C3948095 18 PC 2,110.00 37,980. 25 SEAL, RECTANGULAR C3907177 18 PC 560.00 10,080. 26 SEAL, RECTANGULAR C3942535 3 PC 365.00 1,280. 30 GASKET, COIN CAST CAST CAST CAST CAST CAST CAST CAST	9	ROD, PUSH	C3964715	60	PC	235.00	14,100.00		
12 GASKET, LUB OIL CLR COVER C3929011 5 PC 470.00 2,350. 13 GASKET, CONNECTION AIR C3917892 5 PC 420.00 2,100. 14 RING, OIL PISTON C3921919 30 PC 800.00 24,000. 15 RING, COMPRESSION PISTON C3948412 30 PC 845.00 25,350. 16 RING, COMPRESSION PISTON C3964073 30 PC 845.00 25,350. 17 BEARING, CONNECTING ROD C3950661 30 PC 375.00 11,250. 18 BEARING, CONNECTING ROD C3950661 30 PC 470.00 14,100. 19 RING, RETAINING C3920692 60 PC 300.00 18,000. 20 GASKET, OIL PAN C3973509 5 PC 455.00 2,275. 21 BEARING, MAIN C3944153 18 PC 230.00 4,140. 22 BEARING, MAIN C3944158 21 PC 230.00 4,430. 23 BEARING, CRAKSHAFT THRUST C3994163 3 PC 490.00 1,470. 24 LINER, CYLINDER C3948095 18 PC 2,110.00 37,980. 25 SEAL, RECTANGULAR C3907177 18 PC 560.00 10,080. 26 SEAL, RECTANGULAR C3907177 18 PC 335.00 705. 27 GASKET, REAR COVER C3939353 3 PC 375.00 1,125. 28 SEAL, OIL C3942535 3 PC 360.00 1,080. 29 SEAL, OIL C3968562 3 PC 660.00 1,980. 30 GASKET, CONNECTION C3415658 3 PC 330.00 990. 31 PIN, PISTON C3950549 18 PC 1,000.00 1,800. 32 PISTON, ENGINE C5302254 18 PC 1,000.00 1,980. 33 BUSHING, CANSHAFT C3945329 21 PC 190.00 3,990. 34 SEAL, O RING C3969698 3 PC 1,000.00 1,410. 36 SEAL, O RING C3969698 3 PC 1,000.00 1,410. 37 SEAL, O RING C3969698 3 PC 200.00 1,410. 38 SPRING, CANSHAFT C39344711 72 PC 280.00 20,160. 39 GASKET, GEAR HOUSING C3944293 3 PC 470.00 1,440. 40 PUMP, WATER C4934058 4 PC 3,750.00 15,000.	10	VALVE TAPPET	C3965966	60	PC	1,030.00	61,800.00		
13 GASKET, CONNECTION AIR  C3917892  5 PC  420.00  2,100  14 RING, OIL PISTON  C3921919  30 PC  800.00  24,000  15 RING, COMPRESSION PISTON  C3948412  30 PC  845.00  25,350  16 RING, COMPRESSION PISTON  C3964073  30 PC  845.00  25,350  17 BEARING, CONNECTING ROD  C3965061  30 PC  375.00  11,250  18 BEARING, CONNECTING ROD  C3966244  30 PC  470.00  14,100  19 RING, RETAINING  C3920692  60 PC  300.00  18,000  20 GASKET, OIL PAN  C3973509  5 PC  455.00  2,275  21 BEARING, MAIN  C3944153  18 PC  230.00  4,140  22 BEARING, MAIN  C3944158  21 PC  230.00  4,830  23 BEARING, CRAKSHAFT THRUST  C3944163  3 PC  490.00  1,470  24 LINER, CYLINDER  C3948095  18 PC  2,110.00  37,980  26 SEAL, RECTANGULAR RING  C3912473  3 PC  375.00  1,125  28 SEAL, OIL  C3942535  3 PC  375.00  1,126  30 PC  490.00  1,080  29 SEAL, OIL  C3942535  3 PC  360.00  1,080  30 GASKET, CONNECTION  C3945329  31 PIN, PISTON  C3945329  31 PIN, PISTON  C3945329  21 PC  190.00  3,990  34 SEAL, ORING  C3940386  3 PC  235.00  705.  35 SEAL, ORING  C3940386  3 PC  39 PC  190.00  3,990  34 SEAL, ORING  C3940386  3 PC  235.00  705.  35 SEAL, ORING  C3940386  3 PC  235.00  30 GASKET, CONNECTION  C3945329  21 PC  190.00  3,990  34 SEAL, ORING  C3945329  21 PC  190.00  3,990  35 SEAL, ORING  C3940386  3 PC  235.00  705.  36 SEAL, ORING  C3940386  3 PC  39 PC  490.00  1,410  39 GASKET, GARSHAFT  C3943058  4 PC  235.00  705.  37 SEAL, ORING  C3940386  3 PC  235.00  30 GASKET, CONNECTION  C3945329  21 PC  190.00  3,990  34 SEAL, ORING  C3940386  3 PC  1,000.00  3,090  36 SEAL, ORING  C3940386  3 PC  1,000.00  3,090  37 SEAL, ORING  C3940386  3 PC  1,000.00  3,000  39 GASKET, GEAR HOUSING  C3944293  3 PC  3,750.00  15,000	11	GASKET, OIL COOLER CORE	C3918174	5	PC	455.00	2,275.00		
14         RING, OIL PISTON         C3921919         30         PC         800.00         24,000.           15         RING, COMPRESSION PISTON         C3948412         30         PC         845.00         25,350.           16         RING, COMPRESSION PISTON         C3964073         30         PC         845.00         25,350.           17         BEARING, CONNECTING ROD         C3950661         30         PC         375.00         11,250.           19         RING, RETAINING         C3920692         60         PC         300.00         18,000.           20         GASKET, OIL PAN         C3973509         5         PC         455.00         2,275.           21         BEARING, MAIN         C3944153         18         PC         230.00         4,140.           22         BEARING, CRAKSHAFT THRUST         C3994163         3         PC         490.00         1,470.           24         LINER, CYLINDER         C394095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080.           26         SEAL, OIL         C3942535         3         PC         375.00 </td <td>12</td> <td>GASKET, LUB OIL CLR COVER</td> <td>C3929011</td> <td>5</td> <td>PC</td> <td>470.00</td> <td>2,350.00</td>	12	GASKET, LUB OIL CLR COVER	C3929011	5	PC	470.00	2,350.00		
15         RING, COMPRESSION PISTON         C3948412         30         PC         845.00         25,350.           16         RING, COMPRESSION PISTON         C3964073         30         PC         845.00         25,350.           17         BEARING, CONNECTING ROD         C3950661         30         PC         375.00         11,250.           18         BEARING, CONNECTING ROD         C3966244         30         PC         470.00         14,100.           19         RING, RETAINING         C3920692         60         PC         300.00         18,000.           20         GASKET, OIL PAN         C3973509         5         PC         455.00         2,275.           21         BEARING, MAIN         C3944153         18         PC         230.00         4,140.           22         BEARING, MAIN         C3944158         21         PC         230.00         4,830.           23         BEARING, CRAKSHAFT THRUST         C3994163         3         PC         490.00         1,470.           24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC	13	GASKET, CONNECTION AIR	C3917892	5	PC	420.00	2,100.00		
16         RING, COMPRESSION PISTON         C3964073         30         PC         845.00         25,350.           17         BEARING, CONNECTING ROD         C3950661         30         PC         375.00         11,250.           18         BEARING, CONNECTING ROD         C3966244         30         PC         470.00         14,100.           19         RING, RETAINING         C3920692         60         PC         300.00         18,000.           20         GASKET, OIL PAN         C3973509         5         PC         455.00         2,275.           21         BEARING, MAIN         C3944153         18         PC         230.00         4,140.           22         BEARING, MAIN         C3944158         21         PC         230.00         4,830.           23         BEARING, CRAKSHAFT THRUST         C3948095         18         PC         2,110.00         37,980.           24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC         235.00         705.           27         GASKET, CARCOVER         C3939353         3         PC         375.	14	RING, OIL PISTON	C3921919	30	PC	800.00	24,000.00		
17         BEARING, CONNECTING ROD         C3950661         30         PC         375.00         11,250.           18         BEARING, CONNECTING ROD         C3966244         30         PC         470.00         14,100.           19         RING, RETAINING         C3920692         60         PC         300.00         18,000.           20         GASKET, OIL PAN         C3973509         5         PC         455.00         2,275.           21         BEARING, MAIN         C3944153         18         PC         230.00         4,140.           22         BEARING, MAIN         C3944158         21         PC         230.00         4,830.           23         BEARING, CYLINDER         C3994163         3         PC         490.00         1,470.           24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080.           26         SEAL, RECTANGULAR RING         C3912473         3         PC         375.00         1,125.           28         SEAL, OIL         C3942535         3         PC         360.00	15	RING, COMPRESSION PISTON	C3948412	30	PC	845.00	25,350.00		
18         BEARING, CONNECTING ROD         C3966244         30         PC         470.00         14,100           19         RING, RETAINING         C3920692         60         PC         300.00         18,000           20         GASKET, OIL PAN         C3973509         5         PC         455.00         2,275           21         BEARING, MAIN         C3944153         18         PC         230.00         4,140           22         BEARING, MAIN         C3944158         21         PC         230.00         4,830           23         BEARING, CRAKSHAFT THRUST         C394163         3         PC         490.00         1,770           24         LINER, CYLINDER         C3944095         18         PC         2,110.00         37,980           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080           26         SEAL, RECTANGULAR RING         C3912473         3         PC         235.00         705           27         GASKET, REAR COVER         C3939353         3         PC         360.00         1,080           29         SEAL, OIL         C3942535         3         PC         360.00         1,980	16	RING, COMPRESSION PISTON	C3964073	30	PC	845.00	25,350.00		
19 RING, RETAINING C3920692 60 PC 300.00 18,000. 20 GASKET, OIL PAN C3973509 5 PC 455.00 2,275. 21 BEARING, MAIN C3944153 18 PC 230.00 4,140. 22 BEARING, MAIN C3944158 21 PC 230.00 4,830. 23 BEARING, CRAKSHAFT THRUST C3994163 3 PC 490.00 1,470. 24 LINER, CYLINDER C3948095 18 PC 2,110.00 37,980. 25 SEAL, RECTANGULAR C3907177 18 PC 560.00 10,080. 26 SEAL, RECTANGULAR RING C3912473 3 PC 235.00 705. 27 GASKET, REAR COVER C3939353 3 PC 375.00 1,125. 28 SEAL, OIL C3942535 3 PC 360.00 1,080. 29 SEAL, OIL C3968562 3 PC 660.00 1,980. 30 GASKET, CONNECTION C3415658 3 PC 330.00 990. 31 PIN, PISTON C3950549 18 PC 1,000.00 18,000. 32 PISTON, ENGINE C5302254 18 PC 5,150.00 92,700. 33 BUSHING, CAMSHAFT C3945329 21 PC 190.00 3,990. 34 SEAL, O RING C3926048 3 PC 235.00 705. 35 SEAL, O RING C3940386 3 PC 470.00 1,410. 36 SEAL, O RING C3940386 3 PC 1,000.00 3,000. 37 SEAL, O RING C3944293 3 PC 150.00 450. 38 SPRING, VALVE 3944711 72 PC 280.00 20,160. 39 GASKET, GEAR HOUSING C3944293 3 PC 470.00 1,410. 40 PUMP, WATER C4934058 4 PC 3,750.00 15,000.	17	BEARING, CONNECTING ROD	C3950661	30	PC	375.00	11,250.00		
20         GASKET, OIL PAN         C3973509         5         PC         455.00         2,775.           21         BEARING, MAIN         C3944153         18         PC         230.00         4,140.           22         BEARING, MAIN         C3944158         21         PC         230.00         4,830.           23         BEARING, CRAKSHAFT THRUST         C3994163         3         PC         490.00         1,470.           24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080.           26         SEAL, RECTANGULAR RING         C3912473         3         PC         235.00         705.           27         GASKET, REAR COVER         C3939353         3         PC         375.00         1,125.           28         SEAL, OIL         C3942535         3         PC         360.00         1,080.           29         SEAL, OIL         C3968562         3         PC         660.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990. </td <td>18</td> <td>BEARING, CONNECTING ROD</td> <td>C3966244</td> <td>30</td> <td>PC</td> <td>470.00</td> <td>14,100.00</td>	18	BEARING, CONNECTING ROD	C3966244	30	PC	470.00	14,100.00		
21         BEARING, MAIN         C3944153         18         PC         230.00         4,140.           22         BEARING, MAIN         C3944158         21         PC         230.00         4,830.           23         BEARING, CRAKSHAFT THRUST         C3994163         3         PC         490.00         1,470.           24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080.           26         SEAL, RECTANGULAR RING         C3912473         3         PC         235.00         705.           27         GASKET, REAR COVER         C3939353         3         PC         375.00         1,126.           28         SEAL, OIL         C3942535         3         PC         360.00         1,080.           29         SEAL, OIL         C3968562         3         PC         360.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990.           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000. </td <td>19</td> <td>RING, RETAINING</td> <td>C3920692</td> <td>60</td> <td>PC</td> <td>300.00</td> <td>18,000.00</td>	19	RING, RETAINING	C3920692	60	PC	300.00	18,000.00		
21         BEARING, MAIN         C3944153         18         PC         230.00         4,140.           22         BEARING, MAIN         C3944158         21         PC         230.00         4,830.           23         BEARING, CRAKSHAFT THRUST         C3994163         3         PC         490.00         1,470.           24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080.           26         SEAL, RECTANGULAR RING         C3912473         3         PC         235.00         705.           27         GASKET, REAR COVER         C3939353         3         PC         375.00         1,125.           28         SEAL, OIL         C3942535         3         PC         360.00         1,080.           29         SEAL, OIL         C3968562         3         PC         660.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         300.00         1990.           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000.     <	20	GASKET, OIL PAN	C3973509	5	PC	455.00	2,275.00		
23         BEARING, CRAKSHAFT THRUST         C3994163         3         PC         490.00         1,470.           24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080.           26         SEAL, RECTANGULAR RING         C3912473         3         PC         235.00         705.           27         GASKET, REAR COVER         C3939353         3         PC         375.00         1,125.           28         SEAL, OIL         C3942535         3         PC         360.00         1,080.           29         SEAL, OIL         C3968562         3         PC         660.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990.           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000.           32         PISTON, ENGINE         C5302254         18         PC         5,150.00         92,700.           33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990. <td>21</td> <td>BEARING, MAIN</td> <td>C3944153</td> <td>18</td> <td>PC</td> <td>230.00</td> <td>4,140.00</td>	21	BEARING, MAIN	C3944153	18	PC	230.00	4,140.00		
24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080           26         SEAL, RECTANGULAR RING         C3912473         3         PC         235.00         705           27         GASKET, REAR COVER         C3939353         3         PC         375.00         1,125           28         SEAL, OIL         C3942535         3         PC         360.00         1,080           29         SEAL, OIL         C3968562         3         PC         660.00         1,980           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000           32         PISTON, ENGINE         C5302254         18         PC         5,150.00         92,700           33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990           34         SEAL, O RING         C3940386         3         PC         235.00         705	22	BEARING, MAIN	C3944158	21	PC	230.00	4,830.00		
24         LINER, CYLINDER         C3948095         18         PC         2,110.00         37,980.           25         SEAL, RECTANGULAR         C3907177         18         PC         560.00         10,080.           26         SEAL, RECTANGULAR RING         C3912473         3         PC         235.00         705.           27         GASKET, REAR COVER         C3939353         3         PC         375.00         1,125.           28         SEAL, OIL         C3942535         3         PC         360.00         1,080.           29         SEAL, OIL         C3968562         3         PC         660.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990.           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000.           32         PISTON, ENGINE         C5302254         18         PC         5,150.00         92,700.           33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990.           34         SEAL, O RING         C3940386         3         PC         235.00         705.	23	BEARING, CRAKSHAFT THRUST	C3994163	3	PC	490.00	1,470.00		
26         SEAL, RECTANGULAR RING         C3912473         3         PC         235.00         705.           27         GASKET, REAR COVER         C3939353         3         PC         375.00         1,125.           28         SEAL, OIL         C3942535         3         PC         360.00         1,080.           29         SEAL, OIL         C3968562         3         PC         660.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990.           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000.           32         PISTON, ENGINE         C5302254         18         PC         5,150.00         92,700.           33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990.           34         SEAL, O RING         C3926048         3         PC         235.00         705.           35         SEAL, O RING         C3940386         3         PC         470.00         1,410.           36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000.	24		C3948095	18	PC	2,110.00	37,980.00		
27         GASKET, REAR COVER         C3939353         3         PC         375.00         1,125.           28         SEAL, OIL         C3942535         3         PC         360.00         1,080.           29         SEAL, OIL         C3968562         3         PC         660.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990.           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000.           32         PISTON, ENGINE         C5302254         18         PC         5,150.00         92,700.           33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990.           34         SEAL, O RING         C3926048         3         PC         235.00         705.           35         SEAL, O RING         C3940386         3         PC         470.00         1,410.           36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000.           37         SEAL, O-RING         C3913994         3         PC         150.00         450.           38 </td <td>25</td> <td>SEAL, RECTANGULAR</td> <td>C3907177</td> <td>18</td> <td>PC</td> <td>560.00</td> <td>10,080.00</td>	25	SEAL, RECTANGULAR	C3907177	18	PC	560.00	10,080.00		
28         SEAL, OIL         C3942535         3         PC         360.00         1,080.           29         SEAL, OIL         C3968562         3         PC         660.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990.           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000.           32         PISTON, ENGINE         C5302254         18         PC         5,150.00         92,700.           33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990.           34         SEAL, O RING         C3926048         3         PC         235.00         705.           35         SEAL, O RING         C3940386         3         PC         470.00         1,410.           36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000.           37         SEAL, O-RING         C3913994         3         PC         150.00         450.           38         SPRING, VALVE         3944711         72         PC         280.00         20,160.           39	26	SEAL, RECTANGULAR RING	C3912473	3	PC	235.00	705.00		
29         SEAL, OIL         C3968562         3         PC         660.00         1,980.           30         GASKET, CONNECTION         C3415658         3         PC         330.00         990.           31         PIN, PISTON         C3950549         18         PC         1,000.00         18,000.           32         PISTON, ENGINE         C5302254         18         PC         5,150.00         92,700.           33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990.           34         SEAL, O RING         C3926048         3         PC         235.00         705.           35         SEAL, O RING         C3940386         3         PC         470.00         1,410.           36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000.           37         SEAL, O-RING         C3913994         3         PC         150.00         450.           38         SPRING, VALVE         3944711         72         PC         280.00         20,160.           39         GASKET, GEAR HOUSING         C3944293         3         PC         470.00         1,410.           <	27	GASKET, REAR COVER	C3939353	3	PC	375.00	1,125.00		
30 GASKET, CONNECTION C3415658 3 PC 330.00 990. 31 PIN, PISTON C3950549 18 PC 1,000.00 18,000. 32 PISTON, ENGINE C5302254 18 PC 5,150.00 92,700. 33 BUSHING, CAMSHAFT C3945329 21 PC 190.00 3,990. 34 SEAL, O RING C3926048 3 PC 235.00 705. 35 SEAL, O RING C3940386 3 PC 470.00 1,410. 36 SEAL, O RING C3969698 3 PC 1,000.00 3,000. 37 SEAL, O-RING C3913994 3 PC 150.00 450. 38 SPRING, VALVE 3944711 72 PC 280.00 20,160. 39 GASKET, GEAR HOUSING C3944293 3 PC 470.00 1,410.	28	SEAL, OIL	C3942535	3	PC	360.00	1,080.00		
30 GASKET, CONNECTION C3415658 3 PC 330.00 990. 31 PIN, PISTON C3950549 18 PC 1,000.00 18,000. 32 PISTON, ENGINE C5302254 18 PC 5,150.00 92,700. 33 BUSHING, CAMSHAFT C3945329 21 PC 190.00 3,990. 34 SEAL, O RING C3926048 3 PC 235.00 705. 35 SEAL, O RING C3940386 3 PC 470.00 1,410. 36 SEAL, O RING C3969698 3 PC 1,000.00 3,000. 37 SEAL, O-RING C3913994 3 PC 150.00 450. 38 SPRING, VALVE 3944711 72 PC 280.00 20,160. 39 GASKET, GEAR HOUSING C3944293 3 PC 470.00 1,410.	29	SEAL, OIL	.C3968562	3	PC	660.00	1,980.00		
32         PISTON, ENGINE         C5302254         18         PC         5,150.00         92,700.           33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990.           34         SEAL, O RING         C3926048         3         PC         235.00         705.           35         SEAL, O RING         C3940386         3         PC         470.00         1,410.           36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000.           37         SEAL, O-RING         C3913994         3         PC         150.00         450.           38         SPRING, VALVE         3944711         72         PC         280.00         20,160.           39         GASKET, GEAR HOUSING         C3944293         3         PC         470.00         1,410.           40         PUMP, WATER         C4934058         4         PC         3,750.00         15,000.	30	· · · · · · · · · · · · · · · · · · ·	C3415658	3	PC	330.00	990.00		
33         BUSHING, CAMSHAFT         C3945329         21         PC         190.00         3,990.           34         SEAL, O RING         C3926048         3         PC         235.00         705.           35         SEAL, O RING         C3940386         3         PC         470.00         1,410.           36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000.           37         SEAL, O-RING         C3913994         3         PC         150.00         450.           38         SPRING, VALVE         3944711         72         PC         280.00         20,160.           39         GASKET, GEAR HOUSING         C3944293         3         PC         470.00         1,410.           40         PUMP, WATER         C4934058         4         PC         3,750.00         15,000.	31	PIN, PISTON	C3950549	18	PC	1,000.00	18,000.00		
34         SEAL, O RING         C3926048         3         PC         235.00         705.           35         SEAL, O RING         C3940386         3         PC         470.00         1,410.           36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000.           37         SEAL, O-RING         C3913994         3         PC         150.00         450.           38         SPRING, VALVE         3944711         72         PC         280.00         20,160.           39         GASKET, GEAR HOUSING         C3944293         3         PC         470.00         1,410.           40         PUMP, WATER         C4934058         4         PC         3,750.00         15,000.	32	PISTON, ENGINE	C5302254	18	PC	5,150.00	92,700.00		
35         SEAL, O RING         C3940386         3         PC         470.00         1,410.           36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000.           37         SEAL, O-RING         C3913994         3         PC         150.00         450.           38         SPRING, VALVE         3944711         72         PC         280.00         20,160.           39         GASKET, GEAR HOUSING         C3944293         3         PC         470.00         1,410.           40         PUMP, WATER         C4934058         4         PC         3,750.00         15,000.	33	BUSHING, CAMSHAFT	C3945329	21	PC	190.00	3,990.00		
36         SEAL, O RING         C3969698         3         PC         1,000.00         3,000           37         SEAL, O-RING         C3913994         3         PC         150.00         450           38         SPRING, VALVE         3944711         72         PC         280.00         20,160           39         GASKET, GEAR HOUSING         C3944293         3         PC         470.00         1,410           40         PUMP, WATER         C4934058         4         PC         3,750.00         15,000	34	SEAL, O RING	C3926048	3	PC	235.00	705.00		
37       SEAL, O-RING       C3913994       3       PC       150.00       450.         38       SPRING, VALVE       3944711       72       PC       280.00       20,160.         39       GASKET, GEAR HOUSING       C3944293       3       PC       470.00       1,410.         40       PUMP, WATER       C4934058       4       PC       3,750.00       15,000.	35	SEAL, O RING	C3940386	3	PC	470.00	1,410.00		
38     SPRING, VALVE     3944711     72     PC     280.00     20,160.       39     GASKET, GEAR HOUSING     C3944293     3     PC     470.00     1,410.       40     PUMP, WATER     C4934058     4     PC     3,750.00     15,000.	36	SEAL, O RING	C3969698	3	PC	1,000.00	3,000.00		
38     SPRING, VALVE     3944711     72     PC     280.00     20,160.       39     GASKET, GEAR HOUSING     C3944293     3     PC     470.00     1,410.       40     PUMP, WATER     C4934058     4     PC     3,750.00     15,000.	37	SEAL, O-RING	C3913994	3	PC	150.00	450.00		
39         GASKET, GEAR HOUSING         C3944293         3         PC         470.00         1,410           40         PUMP, WATER         C4934058         4         PC         3,750.00         15,000	38		3944711	72	PC	280.00	20,160.00		
40 PUMP, WATER C4934058 4 PC 3,750.00 15,000.	39	·	C3944293	3	PC	470.00	1,41,0.00		
	40		C4934058	4	PC	3,750.00	15,000.00		
-=	41	HOSE, PUMP	C3071049	16	PC	1,500.00	24,000.00		

47	TENCION DELT		1 -			!
42	TENSION, BELT	C3976831	4	PC	3,020.00	12,080.0
43	HOUSING, TIMING PIN	C3913995	4	PC	5,620.00	22,480.0
44	HOUSING, GEAR	C3938086	4	PC	8,000.00	32,000.0
45	SENSOR, TEMPERATURE	C3979176	20	PC	940.00	18,800.0
46	SENSOR, OIL PRESSURE	C4931169	20	PC	940.00	18,800.0
47	NOZZLE PISTON COOLING	C3959291	24	PC	705.00	16,920.0
48	TAPPET GUIDE	C4944725	48	PC	375.00	18,000.0
49	MOTOR STARTER	C3415537	4	PC	8,425.00	33,700.0
50	TURBOCHARGER	C4047354	4	PC	14,040.00	56,160.0
51	INJECTOR	C3975929	24	PC	4,680.00	112,320.0
52	CONNECTOR, MALE	3936953	24	PC	1,405.00	33,720.0
53	CAMSHAFT	C3976620	1	PC_	7,815.00	7,815.
54	GEAR, CAMSHAFT	C3918777	1	PC	2,106.00	2,106.
55	CORE, COOLER	C3966365	4	PC	8,150.00	32,60 <b>p</b> .
56	FAN, ENGINE	C3911326	2	PC	5,980.00	11,96p.
57	PUMP, FUEL INJECTION	C5258154	1	PC	85,000.00	85,000.
58	PUMP, FUEL INJECTION	5336899	2	PC	85,000.00	170,00D.
59	PUMP, FUEL LIFT	C3415661	3	PC	4,680.00	14,040.
60	TUBE, FUEL DRAIN	C3415562	4	PC	1,000.00	4,000.
61	TUBE, FUEL DRAIN	C3971125	4	PC	1,000.00	4,000.
62	TUBE, FUEL SUPPLY	C3971124	4	PC	470.00	1,88b.
63	TUBE INJECTOR FUEL SUP	C3976434	4	PC	1,880.00	7,520.
64	TUBE INJECTOR FUEL SUP	C3976433	4	PC	1,880.00	7,520
65	MANIFOLD, EXHAUST	C3937477	4	PC	2,180.00	8,720
66	MANIFOLD, EXHAUST	C3943841	4	PC	3,045.00	12,180
67	PIPE, EXHAUST OUTLET	C3910994	4	PC	5,500.00	22,000.
68	HEAD, FUEL FILTER	C3971399	4	PC	1,880.00	7,520.
69	HEAD, FUEL FILTER	C4934663	4	PC	2,110.00	8,440.
70	TUBE, FUEL SUPPLY	C3971123	4	PC	940.00	3,760.
71	HEAD, LUBE OIL FILTER	C4936582	4	PC	4,680.00	18,720
72	SWITCH, MAGNETIC	C3916302	10	PC	2,340.00	23,400.
73	THERMOSTAT	C3968559	4	PC	2,340.00	9,360
74	ALTERNATOR	C3415691	4	PC	13,105.00	52,420
<b>7</b> 5	VALVE CROSSHEAD	C3943445	48	PC	250.00	12,000
76	ROCKER LEVER ASSY	C3972540	24	PC	2,340.00	56,160.
77	SENSOR, SPEED	C3971994	20	PC	940.00	18,800.
78	SUPPORT, FAN	C3415603	4	PC	3,250.00	13,000.
79	PULLEY, FAN	C3926855	4	PC	10,650.00	42,600
80	DAMPER, VIBRATION	3967014	4	PC	25,000.00	100,000
81	PULLEY, CRANKSHAFT	C3943978	4	PC	4,950.00	19,800
82	PUMP, LUBRICATING OIL	C4941464	4	PC	9,130.00	36,520.
83	CRANKSHAFT, ENGINE	C3976841	1	PC	375,000.00	375,000
84	SUPPORT, CAMSHAFT THRUST	C3944001	1	PC	5,000.00	5,000
85	ASSEMBLY, ROCKER LEVER	C5253887	24	PC	5,500.00	132,000
86	CONNECTING ROD ASSEMBLY	3979744	24	PC	2,340.00	56,160
87	SCREW, HEX FLANGE HEAD CA	C3960043	104	PC	240.00	24,960
88	HEAD, CYLINDER	C4936714	4	PC	35,500.00	142,000
89	CAP, MAIN BEARING	C3970955	28	PC	235.00	6,580
90	CONNECTION, AIR INTAKE	C3928519	4	PC	6,500.00	26,000
91	CONNECTION, AIR INTAKE	C3943613	4	PC	7,900.00	31,600
	CONTRECTION, AIR INTARE	C3343013		7.0	1,300.00	31,000.

				L	TOTAL	3,546,205.00
100	SPEED CONTROLLER	S6700H	3	PC	15,450.00	46,350.00
99	RADIATOR	N/A	5	ASSY	120,000.00	600,000.00
98	CONNECTION, WATER OUTLET	C3944429	4	PC	4,125.00	16,500.00
97	CONNECTOR, WATER INLET	C3944720	4	PÇ	4,125.00	16,50 <b>p</b> .00
96	CLAMP, INJECTOR	C3940639	24	PC	400.00	9,600.00
95	CONNECTION, OIL SUCTION	3964028	2	PC	10,500.00	21,000.00
94	PAN, OIL	C3944258	2	PC	7,450.00	14,900.00
93	PIPE, AIR TRANSFER	C3883977	4	PC	5,300.00	21,200.00

PACKAGE III: PR NO. S1-MON24-005: Spare Parts for 300kW Cummins, Engine Model: KTA19-G2, Engine No. 41274887

ITEM	III: PR NO. S1-MQN24-005: Spare P DESCRIPTION	PART NO.		ΓY	UNIT PRICE	TOTAL PRICE
1	UPPER ENGINE GASKET SET	3803598	7	PC	25,500.00	178,500.0
2	COLLET, VALVE	205091	96	PC	200.00	19,200.0
3	RETAINER, VALVE SPRING	205094	48	PC	250.00	12,000.0
4	INSERT, VALVE EXHAUST	205093	36	PC	1,400.00	50,400.0
5	INSERT, VALVE INTAKE	3026296	36	PC	1,400.00	50,400.0
6	VALVE, EXHAUST	3035110	36	PC	1,400.00	50,400.0
7	VALVE, INTAKE	207241	36	PC	1,400.00	50,400.0
8	SEAL, O RING	3010510	84	PC	200.00	16,800.0
9	SEAL, O RING	193736	84	PC	200.00	16,800.0
10	SEAL, O RING	205216	84	PC	200.00	16,800.0
11	ROD, PUSH	205492	36	PC	680.00	24,480.0
12	PUSH ROD	3017961	18	PC	680.00	12,240.0
13	GUIDE, VALVE SPRING	3001663	72	PC	550.00	39,600.0
14	GUIDE, VALVE CROSS	205169	36	PC	300.00	10,800.0
15	GUIDE, VALVE STEM	3201311	72	PC	750.00	54,000.0
16	TUBE, WATER TRANSFER	207378	3	PC	2,000.00	6,000.0
17	GASKET, ADAPTER	3202259	3	PC	2,000.00	6,000.0
18	GASKET, OIL PAN	3042589	3	PC	2,000.00	6,000.0
19	GASKET, OIL PAN	3042590	3	PC	2,000.00	6,000.0
20	RING SET, PISTON	4089500	42	PC	5,100.00	214,200.0
21	BEARING, CONNECTING ROD	205840	84	PC	1,500.00	126,000.0
22	BUSHING	3043909	42	PC	1,500.00	63,000.0
23	LOWER ENGINE GASKET SET	3801007	4	PC	16,800.00	67,200.0
24	KIT, LINER	3028434	24	PC	6,000.00	144,000.0
25	BUSHING	3004686	4	PC	2,500.00	10,000.
26	BEARING, MAIN SHELL	AR12270	4	PC	20,000.00	80,000.0
27	SCREW, SLOTTED SET	168306	72	PC	350.00	25,200.
28	BUSHING .	132770	8	PC	750.00	6,000.0
29	BUSHING	205133	4	PC	1,050.00	4,200.
30	SEAL, REAR OIL CRANKSHAFT	AR10591	4	PC	5,000.00	20,000.
31	SEAL, RECTANGULAR RING	3096260	4	PC	650.00	2,600.0
32	SEAL, THERMOSTAT	186780	8	PC	1,500.00	12,000.0
33	GASKET, LUBE OIL FILTER	3200977	4	PC	350.00	1,400.0
34	PISTON ENGINE KIT	3631244	24	PC	9,115.00	218,760.
35	BUSHING	3002834	28	PC	1,200.00	33,600.
36	HUB, TIMING	3007111	4	PC	2,300.00	9,200.
37	SPRING, VALVE	205208	96	PC	720.00	69,120.
38	PULLEY, ALTERNATOR	3002323	4	PC	4,950.00	19,800.
39	CAP, MAIN BEARING	205021	8	PC	9,800.00	78,400.
40	CAP, MAIN BEARING	205022	2	PC	9,800.00	19,600.
41	CAP, MAIN BEARING	205023	2	PC	9,800.00	19,600.
42	CAP, MAIN BEARING	205075	2	PC	9,800.00	19,600.
43	SCREW, TWELVE POINT CAP	3025482	28	PC	2,200.00	61,60¢

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44	NOZZLE, PISTON COOLING	3200936	12	PC	500.00	6,000.00
45	GEAR, IDLER	3004680	2	PC	15,000.00	30,000.00
46	CRANKSHAFT	3418910	1	PC	650,000.00	650,000.00
47	LEVER, ROCKER	3065810	24	PC	20,000.00	480,000.00
48	FOLLOWER, CAMSHAFT	AR10627	24	PC	24,275.00	582,600.00
49	PUMP, LUBRICATING OIL	3047549	4	PC	24,500.00	98,000.00
50	COVER, ROCKER ARM HSG	3047710	12	PC	2,000.00	24,000.00
51	DAMPER, VIBRATION	217322	4	PC	38,500.00	154,000.00
52	PULLEY, CRANKSHAFT	3003696	2	PC	15,400.00	30,800.00
53	SWITCH, PRESSURE	3056344	20	PC	2,360.00	47,200.00
54	SWITCH, TEMPERATURE	3056353	20	PC	1,850.00	37,000.00
55	ALTERNATOR	3016627	4	PC	22,100.00	88,400.00
56	SWITCH, MAGNETIC	3050692	10	PC	3,040.00	30,400.00
57	HUB, FAN	3002233	4	PC	21,500.00	86,000.00
58	LEVER, IDLER	3033957	4	PC	50,500.00	202,000.00
59	PULLEY, IDLER	3009639	4	PC	20,200.00	80,800.00
60	ABSORBER, IDLER ARM	3201022	4	PC	15,500.00	62,000.00
61	HEAD, FUEL FILTER	3418763	4	PC	12,400.00	49,600.00
62	HOSE, FLEXIBLE	AS10018	+	PC	3,000.00	
63		<del></del>	4	-		12,000.00
	HOSE, FLEXIBLE	AS6029SS	6	PC	4,000.00	24,000.00
64	HOSE, FLEXIBLE	AS6050SS	6	PC	4,000.00	24,000.00
65	HOSE, FLEXIBLE	AS16025NF	6	PC	4,000.00	24,000.00
66	HOSE, FLEXIBLE	215195	6	PC	4,000.00	24,000.00
67	HOSE, FLEXIBLE	AS10018SS	6	PC	4,000.00	24,000.00
68	PICKUP, MAGNETIC	3034572	10	PC	1,150.00	11,500.00
69	CONTROL, GOVERNOR	3044195	4	PC	36,600.00	146,400.00
70	DRIVE, ACCESSORY	3016734	4	PC	33,200.00	132,800.00
71	PUMP, FUEL	3059651	4	PC	107,100.00	428,400.00
72	VALVE, SHUTOFF	3018453	4	PÇ	7,200.00	28,800.00
73	MANIFOLD, FUEL	AR45224	4	PC	25,000.00	100,000.00
74	TUBE, FUEL DRAIN	3200406	4	PC	5,000.00	20,000.00
. 75	TUBE, FUEL	3200885	4	PC	5,000.00	20,000.00
76	TUBE, FUEL SUPPLY	3201115	8	PC	4,500.00	36,000.00
77	TUBE, FUEL DRAIN	3201736	4	PC	5,000.00	20,000.00
78	VALVE, CHECK	178079	4	PC	3,400.00	13,600.00
79	VALVE, CHECK	185505	4	PC	3,400.00	13,600.00
80	THERMOSTAT HOUSING	3065803	4	PC	8,250.00	33,000.00
81	THERMOSTAT	201737	8	PC	2,350.00	18,800.00
82	LUBE OIL FILTER HEAD	3200965	4	PC	25,000.00	100,000.00
83	ADAPTER, FILTER HEAD	3034578	8	PC	2,500.00	20,000.00
84	HEAD, LUBE OIL FILTER	3004173	4	PC	15,000.00	60,000.00
85	PAN, OIL	AR12034	2	PC	36,500.00	73,000.00
86	CAMSHAFT	3028959	2	PC	35,950.00	71,900.00
87	CORE, AFTERCOOLER	3001290	4	PC	42,900.00	171,600.00
88	HEAD, CYLINDER	3021692	18	PC	45,000.00	810,000.00
89	CYLINDER HEAD MOUNTING	3013962	24	PC	5,500.00	132,000.00
90	INJECTOR	3016676	24	PC	9,450.00	226,800.00
91	TURBOCHARGER	3523850	4	PC	51,560.00	206,240.00
92	HOUSING, ROCKER	3200499	20	PC	5,000.00	100,000.00
93	HOUSING, ROCKER	3200490	4	PC	5,000.00	20,000.00
94	MOTOR, STARTING	3021038	4	PC	39,400.00	157,600.00
95	CONNECTION, AIR CROSSOVER	3016139	4	PC	6,000.00	24,000.00
96	COOLER, ENGINE CAST	3201155	4	PC	49,200.00	196,800.00
97	CORE, COOLER	3023079	8	PC	25,000.00	200,000.00
98	TUBE, WATER BYPASS	3011224	4	PC	5,000.00	20,000.00
99	CONNECTION, WATER OUTLET	AR45710	4	PC	5,000.00	20,000.00
	PONNECTION, WATER OUTLET	AR45/10		J PC	] 3,000.00	20,000.00

					TOTAL	10,600,740.00
109	RADIATOR ASSEMBLY	N/A	2	ASSY	260,000.00	520,000.00
108	ROD, ENGINE CONNECTING	3418553	24	PC	32,900.00	789,600.00
107	MANIFOLD, EXHAUST	207176	4	PC	40,000.00	160,000.00
106	MANIFOLD, EXHAUST	205186	8	PC	35,000.00	280,000.00
105	SPACER, FAN	3045665	2	PC	6,500.00	13,000.00
104	SPACER, FAN	167233	2	PC	6,200.00	12,400.00
103	FAN, ENGINE	3037710	2	PC	54,300.00	108,600.00
102	CONNECTION, EXHAUST OUTLET	3026237	4	PC	5,000.00	20,000.00
101	SHAFT, WATER PUMP	3025885	4	PC	20,150.00	80,600.00
100	PUMP, WATER	3011389	4	PC	40,250.00	161,000.00

PACKAGE IV: PR NO. S1-MQN24-006: Spare Parts for 600kW Cummins, Engine Model: KTA38-G1, Engine No. 41235908

ITEM	DESCRIPTION	PART NO.	Q.	ΓY	UNIT PRICE	TOTAL PRICE
1	GASKET KIT, UPPER ENGINE	4352580	12	PC	60,000.00	720,000.0
2	COLLET VALVE	205091	192	PC	200.00	38,400.0
3	RETAINER, VALVE SPRING	205094	96	PC	250.00	24,000.0
4	VALVE, INTAKE	207241	48	PC	1,400.00	67,200.0
5	VALVE, EXHAUST	3035110	48	PC	1,400.00	67,200.0
6	INSERT VALVE, EXHAUST	205093	48	PC	1,400.00	67,200.0
7	INSERT VALVE, INTAKE	3026296	48	PC	1,400.00	67,200.0
8	SEAL, O RING	3010510	144	PC	200.00	28,800.0
9	SEAL, O RING	193736	144	PC	200.00	28,800.0
10	SEAL, O RING	205216	144	PC	200.00	28,800.0
11	SEAL, DUST	3088371	24	PC	500.00	12,000.0
12	PUSH ROD	3017961	24	PC	680.00	16,320.0
13	ROD, PUSH	205492	48	PC	680.00	32,640.0
14	RING, RETAINER	205439	48	PC	150.00	7,200.0
15	GUIDE, VALVE SPRING	3001663	96	PC	550.00	52,800.0
16	GUIDE VALVE CROSS	205169	48	PC	300.00	14,400.0
17	GUIDE VALVE STEM	3201311	96	PC	750.00	72,000.0
18	GASKET, OIL PAN	3043211	6	PC	2,000.00	12,000.0
19	GASKET, OIL PAN	3043212	6	PC	2,000.00	12,000.0
20	RING, COMPRESSION PISTON	3070589	72	PC	1,500.00	108,000.0
21	RING, OIL PISTON	3090450	72	PC	1,500.00	108,000.0
22	RING, COMPRESSION PISTON	3090460	72	PC	1,500.00	108,000.0
23	BEARING, CONNECTING ROD	3047390	144	PC	1,500.00	216,000.0
24	BUSHING, CONNECTING ROD	3043909	24	PC	1,500.00	36,000.0
25	LINER, CYLINDER	3006089	72	PC	7,500.00	540,000.0
26	SHELL, MAIN BEARING	AR45264	6	PC	25,000.00	150,000.0
27	GASKET, WATER PUMP	206193	6	PC	180.00	1,080.0
28	GASKET, WATER PUMP	206455	6	PC	180.00	1,080.0
29	SEAL, O RING	206457	6	PC	800.00	4,800.
30	SEAL, OIL	3016787	6	PC	1,500.00	9,000.0
31	GASKET, GEAR COVER	3177160	6	PC	5,800.00	34,800.0
32	BUSHING	132770	12	PC	750.00	9,000.0
33	BUSHING	205133	6	PC	1,050.00	6,300.0
34	BUSHING	205683	6	PC	1,150.00	6,900.0
35	SEAL, OIL	3628895	6	PC	3,120.00	18,720.
36	GASKET, GEAR HOUSING	3178076	6	PC	4,000.00	24,000.
37	GASKET, SEAL RETA	205571	6	PC	350.00	2,100.
38	SEAL, OIL	3082142	6	PC	1,600.00	9,600.
39	GASKET, REAR GEAR	3005940	6	PC	350.00	2,100.
40	GASKET, FUEL PUMP	3069103	6	PC	350.00	2,100.
41	SEAL, O RING	145600	6	PC	200.00	1,200.
42	GASKET, FILTER HEAD	3177108	6	PC	200.00	1,200.0

43         GASKET, FILTER HEAD         3629387         6         PC         350.00           44         GASKET, LUB OIL J         3011651         6         PC         480.00           45         GASKET, HAND HOLE         3175856         6         PC         750.00           46         PISTON ENGINE KIT         3036074         72         PC         10,880.00           47         GASKET, WATER HEADER COVER         3009324         18         PC         1,200.00           48         GASKET, WATER HEADER COVER         3009323         18         PC         1,000.00           49         SPRING VALVE         205208         96         PC         720.00           50         SCREW, TWELVE POINT CAP         205584         56         PC         2,200.00           51         CAP, MAIN BEARING         206587         10         PC         11,500.00           52         CAP, MAIN BEARING         206588         4         PC         11,500.00           53         SCREW, HEXAGON HEAD CAP         3044578         28         PC         2,200.00           54         VALVE, PISTON COOLING         3179664         12         PC         11,250.00	2,100.00 2,880.00 4,500.00 783,360.00
45         GASKET, HAND HOLE         3175856         6         PC         750.00           46         PISTON ENGINE KIT         3036074         72         PC         10,880.00           47         GASKET, WATER HEADER COVER         3009324         18         PC         1,200.00           48         GASKET, WATER HEADER COVER         3009323         18         PC         1,000.00           49         SPRING VALVE         205208         96         PC         720.00           50         SCREW, TWELVE POINT CAP         205584         56         PC         2,200.00           51         CAP, MAIN BEARING         206587         10         PC         11,500.00           52         CAP, MAIN BEARING         206588         4         PC         11,500.00           53         SCREW, HEXAGON HEAD CAP         3044578         28         PC         2,200.00	4,500.00
46         PISTON ENGINE KIT         3036074         72         PC         10,880.00           47         GASKET, WATER HEADER COVER         3009324         18         PC         1,200.00           48         GASKET, WATER HEADER COVER         3009323         18         PC         1,000.00           49         SPRING VALVE         205208         96         PC         720.00           50         SCREW, TWELVE POINT CAP         205584         56         PC         2,200.00           51         CAP, MAIN BEARING         206587         10         PC         11,500.00           52         CAP, MAIN BEARING         206588         4         PC         11,500.00           53         SCREW, HEXAGON HEAD CAP         3044578         28         PC         2,200.00	
47       GASKET, WATER HEADER COVER       3009324       18       PC       1,200.00         48       GASKET, WATER HEADER COVER       3009323       18       PC       1,000.00         49       SPRING VALVE       205208       96       PC       720.00         50       SCREW, TWELVE POINT CAP       205584       56       PC       2,200.00         51       CAP, MAIN BEARING       206587       10       PC       11,500.00         52       CAP, MAIN BEARING       206588       4       PC       11,500.00         53       SCREW, HEXAGON HEAD CAP       3044578       28       PC       2,200.00	783,360.00
48 GASKET, WATER HEADER COVER 3009323 18 PC 1,000.00 49 SPRING VALVE 205208 96 PC 720.00 50 SCREW, TWELVE POINT CAP 205584 56 PC 2,200.00 51 CAP, MAIN BEARING 206587 10 PC 11,500.00 52 CAP, MAIN BEARING 206588 4 PC 11,500.00 53 SCREW, HEXAGON HEAD CAP 3044578 28 PC 2,200.00	
49       SPRING VALVE       205208       96       PC       720.00         50       SCREW, TWELVE POINT CAP       205584       56       PC       2,200.00         51       CAP, MAIN BEARING       206587       10       PC       11,500.00         52       CAP, MAIN BEARING       206588       4       PC       11,500.00         53       SCREW, HEXAGON HEAD CAP       3044578       28       PC       2,200.00	21,600.00
50         SCREW, TWELVE POINT CAP         205584         56         PC         2,200.00           51         CAP, MAIN BEARING         206587         10         PC         11,500.00           52         CAP, MAIN BEARING         206588         4         PC         11,500.00           53         SCREW, HEXAGON HEAD CAP         3044578         28         PC         2,200.00	18,00D.00
51         CAP, MAIN BEARING         206587         10         PC         11,500.00           52         CAP, MAIN BEARING         206588         4         PC         11,500.00           53         SCREW, HEXAGON HEAD CAP         3044578         28         PC         2,200.00	69,120.00
51       CAP, MAIN BEARING       206587       10       PC       11,500.00         52       CAP, MAIN BEARING       206588       4       PC       11,500.00         53       SCREW, HEXAGON HEAD CAP       3044578       28       PC       2,200.00	123,200.00
52       CAP, MAIN BEARING       206588       4       PC       11,500.00         53       SCREW, HEXAGON HEAD CAP       3044578       28       PC       2,200.00	115,000.00
53 SCREW, HEXAGON HEAD CAP 3044578 28 PC 2,200.00	46,000.00
	61,600.00
	135,000.00
55 SHAFT, IDLER 3178450 4 PC 7,150.00	28,600.00
56 SHAFT, IDLER 3033853 4 PC 17,500.00	70,000.00
57 SUPPORT, BEARING 3000138 4 PC 3,080.00	12,320.00
58 SUPPORT, BEARING 3175281 4 PC 3,080.00	12,320.00
59 GEAR, IDLER ASSY 3004681 4 PC 2,500.00	10,000.00
60 ASSY, ROCKER LEVER 3176363 24 PC 23,500.00	564,000.00
61 LINK, INJECTOR PL 205462 48 PC 640.00	30,720.00
62 RING, INJECTOR SMALL END 207244 48 PC 600.00	
63 CLAMP, INJECTOR 3006696 48 PC 500.00	28,800.00
	24,000.00
5,530.00	256,800.00
1,350.00	421,440.00
	25,000.00
10 100000	183,600.00
	216,000.00
2,750.00	99,000.00
35,000.00	220,000.00
25,000.00	60,000.00
1,200.00	16,800.00
5,475.00	<u>27,</u> 760.00
TE MANUEOUR FUEL III	2,640.00
75 MANIFOLD, FUEL LH 3019581 8 PC 4,800.00	38,400.00
76 MANIFOLD, FUEL RH 3019582 8 PC 4,800.00	38,400.00
77 CONNECTION, FUEL BLOCK 3176708 8 PC 4,800.00	38,400.00
78 CONNECTION, FUEL BLOCK 3176709 8 PC 4,800.00	38,400.00
79 TUBE, FUEL SUPPLY 3176710 16 PC 2,130.00	34,080.00
80 INDICATOR, RESTRICTION 178957 8 PC 1,650.00	13,200.00
81 PULLEY, CRANKSHAFT 4060694 2 PC 16,000.00	32,000.00
82 ADAPTER, CRANKSHAFT 3031736 2 PC 66,580.00	133,160.00
83 SPACER, CRANKSHAFT 3037239 2 PC 9,500.00	19,000.00
84 DAMPER, VIBRATION 3418998 4 PC 40,000.00	160,000.00
85 TRANSDUCER, TEMPERATURE 3015238 8 PC 2,360.00	18,880.00
86 TRANSDUCER, PRESSURE 3165752 4 PC 2,900.00	11,600.00
87 HARNESS, WIRING 3165775 4 PC 15,000.00	60,000.00
88 SWITCH, PRESSURE 3056344 20 PC 2,360.00	47,200.00
89 SWITCH, TEMPERATURE 3056353 20 PC 1,850.00	37,000.00
90 PICK UP, MAGNETIC 3034572 20 PC 1,150.00	23,000.00
91 PULLEY, ALTERNATOR 3014711 4 PC 16,400.00	65,600.00
92 ALTERNATOR 3016627 4 PC 22,100.00	88,400.00
93 FAN IDLER ASSEMBLY 3016344 4 PC 33,000.00	132,000.00
94 FAN HUB 4060703 4 PC 50,500.00	202,000.00
95 HEAD, FUEL FILTER 3032630 4 PC 12,400.00	49,600.00
96 HOSE, FLEXIBLE 3175810 4 PC 950.00	3,800.00
97 COVER, REAR 207547 4 PC 7,800.00	31,200.00
98 FUEL PUMP TLN 3165400 4 PC 152,900.00	611,600.00

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99	CONTROL, GOVERNOR	3044196	4	PC	36,700.00	146,800.00
100	HARNESS, WIRING	3063683	4	PC	3,400.00	13,600.00
101	SUPPORT, FUEL PUMP	3022725	4	PC	25,000.00	100,000.00
102	CONNECTION FUEL BLOCK	3177629	4	PC	4,800.00	19,200.00
103	TUBE, FUEL SUPPLY	3178525	4	PC	650.00	2,600.00
104	VALVE, SHUTOFF	3017993	4	PC	7,500.00	30,000.00
105	HEAT EXCHANGER	3165765	4	PC	10,000.00	40,000.00
106	TUBE, RADIATOR FILL LOWER	3003885	4	PC	5,000.00	20,000.00
107	TUBE, RADIATOR FILL LOWER	3003909	4	PC	5,000.00	20,000.00
108	TUBE, WATER INLET	3165707	4	PC	5,000.00	20,000.00
109	TUBE, WATER OUTLET	4060677	8	PC	5,000.00	40,000.00
110	FAN, ENGINE	3165799	4	PC	60,000.00	240,000.00
111	CONNECTION, AIR INTAKE	3013114	8	PC	8,000.00	64,000.00
112	MANIFOLD, AIR INTAKE	3019030	8	PC	10,000.00	80,000.00
113	MANIFOLD, AIR INTAKE	3019031	8	PC	10,000.00	80,000.00
114	PLUNGER, PRS REGULATOR	3021618	4	PC	2,000.00	8,000.00
115	HEAD, LUB OIL FILTER	3178474	4	PC	25,000.00	100,000.00
116	HEAD, LUB OIL FILTER	3176127	4	PC	15,000.00	60,000.00
117	ROD, ENGINE CONNECTING	3419120	24	PC	32,900.00	789,600.00
118	HEAD, CYLINDER	3021692	18	PC	45,000.00	810,000.00
119	SCREW, CROSSHEAD ADJUST	3032697	96	PC	1,330.00	127,680.00
120	NUT, HEAVY HEAXAGON	203131	96	PC	650.00	62,400.00
121	CROSSHEAD, VALVE	3048620	96	PC	1,460.00	140,160.00
122	HOUSING, ROCKER LEVER	3629537	4	PC	5,000.00	20,000.00
123	HOUSING, ROCKER LEVER	3202197	4	PC	5,000.00	20,000.00
124	HOUSING, ROCKER LEVER	3202193	40	PC	5,000.00	200,000.00
125	CAMSHAFT R.B.	AR12404	2	PC	35,950.00	71,900.00
126	CAMSHAFT L.B.	AR12405	2	PC	35,950.00	71,900.00
127	INJECTOR	3052255	48	PC	11,000.00	528,000.00
128	TURBOCHARGER	3594040	8	PC	51,560.00	412,480.00
129	PULLEY, ACCESSORY DRIVE	3015546	2	PC	2,000.00	4,000.00
130	MOTOR, STARTING	3010125	8	PC	39,400.00	315,200.00
131	HEAD, CORROSION RESISTOR	3175452	8	PC	9,000.00	72,000.00
132	CONNECTION, WATER INLET	207538	4	PC	5,000.00	20,000.00
133	TUBE, WTR TRANSFER LB	3005118	4	PC	5,000.00	20,000.00
134	TUBE, WATER BYPASS	3028483	4	PC	5,000.00	20,000.00
135	TUBE, WATER TRANSFER	3040881	4	PC	5,000.00	20,000.00
136	TUBE, WATER TRANSFER	AR12428	40	PC	5,000.00	200,000.00
137	THERMOSTAT	3076489	8	PC	2,350.00	18,800.00
138	HOUSING, THERMOSTAT	AR11501	4	PC	8,250.00	33,000.00
139	MANIFOLD, EXHAUST	3028235	8	PC	10,000.00	80,000.00
140	MANIFOLD, EXHAUST	3028237	8	PC	7,000.00	56,000.00
141	MANIFOLD, EXHAUST	3630261	8	PC	7,000.00	56,000.00
142	ASSY, MUFFLER	3418930	2	PC	25,000.00	50,000.00
143	GASKET, TURBOCHARGER	106322	8	PC	350.00	2,800.00
144	CONNECTION, EXHAUST OUTLET	203555	8	PC	5,000.00	40,000.00
145	CONNECTION, TURBO	3026447	8	PC	5,000.00	40,000.00
146	RADIATOR ASSEMBLY	N/A	2	ASSY	436,800.00	873,600.00
147	SWITCH, MAGNETIC	3050692	20	PC	3,040.00	60,800.00
						44144140

PACKAGE V: PR NO. S1-MQN24-007: Spare Parts for 600kW Cummins, Engine Model: QSK23-G3, Engine No. 85000992

ITEM	DESCRIPTION	PART NO.	Q1	ſΥ	UNIT PRICE	TOTAL PRICE
1	GASKET SET, UPPER ENGINE	4089360	8	PC	32,760.00	262,080.00
2	SEAL, VALVE STEM	4007185	192	PC	1,310.00	251,520.00
3	VALVE, INTAKE	4007179	24	PC	5,824.00	139,776.00

4	VALVE, EXHAUST	4007180	24	PC	5,824.00	120 775 00
	WEARPLATE, VALVE SPRING	4007180	48	PC		139,776.00
	RETAINER, VALVE SPRING	<del></del>	+		3,600.00	172,800.00
	INSERT, VALVE EXHAUST	4007183 4006184	48	PC	2,300.00	110,400.00
	INSERT, VALVE INTAKE	<del>-</del>	24	PC	3,250.00	78,000.00
		4095988	24	PC	3,250.00	78,000.00
	ROD, PUSH	4095506	24	PC	14,280.00	342,720.00
	ROD, PUSH	4095511	12	PC	14,280.00	171,360.00
	GUIDE, VALVE CROSSHEAD	4006186	24	PC	4,000.00	96,000.00
	GUIDE, VALVE STEM	4096488	48	PC	3,280.00	157,440.00
	BEARING SET, CONNECTING ROD	4095985	18	PC	3,500.00	63,000.00
	RING SET, PISTON	4025382	18	PC	15,000.00	270,000.00
	GASKET SET, LOWER ENGINE	4089361	3	PC	65,000.00	195,000.00
	GASKET, AFT HOUSING	4095448	3	PC	6,000.00	18,000.00
17	GASKET, CONNECTION	4095450	3	_ PC	3,000.00	9,000.00
18	BUSHING	4095457	21	PC	3,500.00	73,500.00
19	GASKET, PLATE COVER	4095690	3	PC	2,000.00	6,000.00
20	SEAL, FRONT COVER	4096669	3	PC	13,000.00	39,000.00
21	SEAL, DUST	4096670	3	PC	8,250.00	24,750.00
22	BEARING SET, MAIN	4095973	21	PC	5,720.00	120,120.00
23	BEARING SET, THRUST	4095983	3	PC	7,300.00	21,900.00
	KIT, CYLINDER LINER	4089364	18	PC	14,000.00	252,000.00
	SEAL, OIL	4095640	3	PC	5,300.00	15,900.00
	SEAL, OIL	4095800	3	PC	14,000.00	42,000.00
	KIT, ENGINE PISTON	4089357	18	PC	55,000.00	990,000.00
	COVER, AFTERCOOLER	4095447	+	PC		
	ALTERNATOR		2		19,000.00	38,000.00
	<del></del>	4095421	2	PC	28,800.00	57,600.00
	DAMPER, VIBRATION	4095438	2	PC	45,000.00	90,000.00
	NOZZLE, PISTON COOLING	4095460	12	PC	15,380.00	184,560.00
	CAMFOLLOWER, ASSY (TLA)	4095567	12	PC	75,000.00	900,000.00
	COOLER, OIL	4096086	4	PC	45,000.00	180,000.00
	THERMOSTAT	4095524	2	PC	12,000.00	24,000.0
	SEAL, THERMOSTAT	4095526	2	PC	1,000.00	2,000.0
	SEAL, ORING	4095541	8	PC	420.00	3,360.00
	SEAL, ORING	4095542	4	PC	1,450.00	5,800.00
	SEAL, ORING	4095898	4	PC	1,450.00	5,800.0
39	CORE, COOLER	4096005	2	PC	22,500.00	45,000.00
40	TUBE, WATER TRANSFER	4095958	2	PC	10,000.00	20,000.00
41	PULLEY, FAN	4096002	2	PC	35,000.00	70,000.00
42	TENSIONER, BELT	4096342	2	PC	15,000.00	30,000.00
43	HUB, FAN	4096000	2	PC	60,000.00	120,000.00
	DRIVE, FUEL PUMP	4096329	2	PC	89,550.00	179,100.0
	HEAD, FUEL FILTER	4096666	2	PC	35,000.00	70,000.00
	HEAD, LUBE OIL FILTER	4096180	4	PC	15,000.00	60,000.0
	TUBE, FUEL TRANSFER	4095637	2	PC	15,000.00	30,000.0
	TUBE, FUEL SUPPLY	4095609	2	PC	15,000.00	30,000.00
<del></del>	HEAD, CYLINDER	4096555	8	PC	<del></del>	<del></del>
	VALVE SPRING	3639621	48		105,000.00	840,000.00
	GEAR, IDLER	<del></del> -	+	PC	3,500.00	168,000.0
	SCREW, TWELVE POINT HEAD	4096764	2	PC	15,000.00	30,000.0
		4006200	84	PC	2,400.00	201,600.0
<del></del>	SCREW, TWELVE POINT CAP	4006201	24	PC	2,400.00	57,600.0
<del></del>	CROSSHEAD, VALVE	4095441	24	PC	5,000.00	120,000.0
	LEVER, ROCKER EXHAUST	4095967	12	PC	10,000.00	120,000.0
	LEVER, ROCKER INTAKE	4095968	12	PC	8,000.00	96,000.0
	INJECTOR LEVER, ROCKER	4096490	12	PC	12,000.00	144,000.0
	SENSOR, PRESSURE	2872254	10	PC	15,000.00	150,000.00
59	SENSOR, PRESSURE	3408587	20	PC	5,000.00	100,000.0

					TOTAL	12,853,062.0
83	RADIATOR	N/A	1	ASSY	460,000.00	460,000.0
82	CONNECTION, WATER TRANSFER	4095591	2	PC	10,000.00	20,000.0
81	MANIFOLD, EXHAUST	4095734	2	PC	22,000.00	44,000.0
80	MANIFOLD, EXHAUST	4095451	4	PC	15,000.00	60,000.0
79	KIT, TURBOCHARGER	4025150	3	PC	114,400.00	343,200.0
78	INJECTOR	4088431	10	PC	91,500.00	915,000.0
77	CAMSHAFT	4095508	1	PC	170,000.00	170,000.0
76	CRANKSHAFT PULLEY	4095499	2	PC	28,000.00	56,000.0
75	RESISTOR HEAD, CORROSION	4095766	2	PC	15,000.00	30,000.0
74	WATER PUMP	4096429	2	PC	120,000.00	240,000.0
73	PUMP, LUBRICATING OIL	4095431	2	PC	80,000.00	160,000.0
72	SUPPORT, FUEL PUMP	4095606	2	PC	40,000.00	80,000.0
71	SENSOR, PRESSURE	3408577	2	PC	10,400.00	20,800.0
70	PUMP, FUEL	4087997	2	PC	175,000.00	350,000.0
69	ROD, CONNECTING	4096475	12	PC	55,000.00	660,000.0
68	HARNESS, WIRING	4096434	2	PC	75,000.00	150,000.0
67	MOTOR, STARTING	4096443	2	PC	51,800.00	103,600.0
66	SENSOR, PRESSURE	4902720	10	PC	4,000.00	40,000.0
65	SENSOR, TEMPERATURE	4088832	10	PC	3,000.00	30,000.0
64	SENSOR, TEMPERATURE	4954905	20	PC	5,000.00	100,000.0
63	SENSOR, PRESSURE	3408585	10	PC	10,400.00	104,000.0
62	SENSOR, PRESSURE	3408583	10	PC	10,400.00	104,000.0
61	ACTUATOR, ETR FUEL CONTROL ACTUATOR, ETR FUEL CONTROL	3347905 3347907	2 2	PC PC	75,000.00 75,000.00	150,000.0 150,000.0

GRAND TOTAL	44,451,013.00
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# SECTION I

# **INVITATION TO BID**



# National Power Corporation INVITATION TO BID PUBLIC BIDDING – BCS 2024-0103

The NATIONAL POWER CORPORATION (NPC), through its approved Corporate Budget
of CY 2024 intends to apply the sum of (<u>Please see schedule below</u>) being the Approved Budget
for the Contract (ABC) to payments under the contract. Bids received in excess of the ABC shall be
automatically rejected at Bid opening.

PR Nos./PB Ref No. & Description	Similar Contracts	Pre-bid Conference	Bid Submission / Opening	ABC/ Amt. of Bid Docs
S1-MQN24-003 / S1-MQN24-004 / S1-MQN24-005 / S1-MQN24-006 / S1-MQN24-007 / PB240312-JD00087  Supply and Delivery of Consolidated PMS and Security Spare Parts for Cummins Diesel Generating Sets of MQNLOD  Package I: 80kW & 100kW Cummins, Engine Model: 6BTAA5.9-G2 & G12, Engine Nos. 87205475 & 78507376  Package II: 200kW Cummins, Engine Model: 6LTAA8.9-G3, Engine No. 87205475  Package III: 300kW Cummins, Engine Model: KTA19-G2, Engine No. 41274887  Package IV: 600kW Cummins, Engine Model: KTA38-G1,	Supply and Delivery of Diesel Generating Sets or Mechanical and/or Electrical Parts / Components / Equipment for Diesel Generating Sets	29 February 2024 9:30 A.M.	12 March 2024 9:30 A.M.	P 44,451,013.00 / P 25,000.00 P 2,742,465.00 / P 5,000.00 P 3,546,206.00 / P 5,000.00 P 10,600,740.00 / P 25,000.00 P 14,708,540.00 /
Engine No. 41235908  Package V: 600kW Cummins, Engine Model: QSK23-G3, Engine No. 85000992				₱ 25,000.00 ₱ 12,853,062.00 ₱ 25,000.00
Approved Budget for the	Contract (ABC)	Maximum C	tost of Bidding Dog	cuments (Pesos)
500,000 and be		Maximum Cost of Bidding Documents (Pesos) 500.00		
More than 500,000		1,000.00		
More than 1M up			5,000.00	<u></u>
More than 5M up			10,000.00	
More than 10M up		25,000.00		
More than 50M up	to 500M		50,000.00	<del></del>

Note: If a bidder intends to partially participate for a number of package(s) only, then the cost of Bidding

Documents will be proportionate as indicated above

Venue: Kañao Function Room, NPC Bldg. Diliman, Quezon City

2. The NPC now invites bids for Items listed above. Delivery of the Goods is required (see table below) specified in the Technical Specifications. Bidders should have completed, within (see table below) from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. (Instruction to Bidders).

PR No/s. / PB Ref No/s.	Delivery Period / Contract Duration	Relevant Period of SLCC reckoned from the date of submission & receipt of bids
S1-MQN24-003 & 4 Others	One Hundred Twenty (120) Calendar Days	Ten (10) Years

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

- 4. Prospective Bidders may obtain further information from National Power Corporation, Bids and Contracts Services Division and inspect the Bidding Documents at the address given below during office hours (8:00AM to 5:00PM), Monday to Friday.
- 5. A complete set of Bidding Documents may be acquired by interested Bidders from the given address and website(s) and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. <u>Bidding fee may be refunded in accordance with the guidelines based on the grounds provided under Section 41 of R.A. 9184 and its Revised IRR.</u>
- 6. The National Power Corporation will hold Pre-Bid Conference (see table above) and/or through video conferencing or webcasting which shall be open to prospective bidders. Only registered bidder/s shall be allowed to participate in the conduct of virtual pre-bid conference. Unregistered bidders may attend the Pre-Bid Conference at the Kañao Room, NPC subject to the following:
  - a. Only a maximum of two (2) representatives from each bidder / company shall be allowed to participate during the virtual pre-bid conference.
  - b. Wearing of Face Masks is recommended but not required in view of Proclamation No. 297 S.2023 lifting the State of Public Health Emergency Throughout the Philippines
  - c. The requirements herein stated including the medium of submission shall be subject to GPPB Resolution No. 09-2020 dated 07 May 2020
  - d. The Guidelines on the Implementation of Early Procurement Activities (EPA) shall be subject to GPPB Circular No. 06-2019 dated 17 July 2019
- 7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below; (ii) online or electronic submission before the specified time stated in the table above for opening of bids. Late bids shall not be accepted.
- 8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.
- Bid opening shall be in the Kañao Function Room, NPC Head Office, Diliman, Quezon City and/or via online platform to be announced by NPC. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
- 10. The National Power Corporation reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of R.A. No. 9184, without thereby incurring any liability to the affected bidder or bidders.

#### 11. For further information, please refer to:

Bids and Contracts Services Division, Logistics Department

Gabriel Y. Itchon Building

Senator Miriam P. Defensor-Santiago Ave. (formerly BIR Road)

Cor. Quezon Ave., Diliman, Quezon City, 1100

Tel Nos.: Tel Nos.: 8921-3541 local 5564/5713

Email: bcsd@napocor.gov.ph /

#### 12. You may visit the following websites:

For downloading of Bidding Documents: https://www.napocor.gov.ph/bcsd/bids.php

ATTY. MELCHOR P. RIDULME

Vice President, Office of the Legal Counsel and Chairman, Bids and Awards Committee

# **SECTION II**

# INSTRUCTIONS TO BIDDERS

## **SECTION II - INSTRUCTIONS TO BIDDERS**

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#### SECTION II - INSTRUCTIONS TO BIDDERS

#### 1. Scope of Bid

The National Power Corporation (NPC or NAPOCOR) wishes to receive Bids for the SUPPLY AND DELIVERY OF CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MQNLOD, with identification number PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007.

The Procurement Project (referred to herein as "Project") are grouped into packages and shall be evaluated and awarded on a per package basis, the details of which are described in Section VI (Technical Specifications).

#### 2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for CY 2024 in the amount of **P44,451,013.00**.
- 2.2. The source of funding is the Corporate Operating Budget of the National Power Corporation.

#### 3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or IB by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

#### 4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

#### 5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. Foreign ownership exceeding those allowed under the rules may participate when citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines.

The foreign bidder claiming eligibility by reason of their country's extension of reciprocal rights to Filipinos shall submit a certification from the relevant government office of their country stating that Filipinos are allowed to participate in their government procurement activities for the same item/product. The said certification shall be validated during the post-qualification of bidders.

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to the least fifty percent (50%) of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

#### 6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under ITB Clause 18.

#### 7. Subcontracts

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed twenty percent (20%) of the contracted Goods.

- 7.2. The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised tRR of RA No. 9184 and comply with the eligibility criteria specified in ITB Clause 5 to the implementing or end-user unit.
- 7.3. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

#### 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the IB.

#### 9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the IB, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

#### 10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in Section VIII (NPCSF-GOODS-01 - Checklist of Technical and Financial Documents).
- 10.2. The Bidder's SLCC as indicated in ITB Clause 5.3 should have been completed within ten (10) yearsprior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.4. The Statement of the bidder's Single Largest Completed Contract (SLCC)(NPCSF-GOODS-03) and List of all Ongoing Government & Private Contracts Including Contracts Awarded but not yet Started (NPCSF-GOODS-02) shall comply with the documentary requirements specified in the <u>BDS</u>.

#### 11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in Section VIII (NPCSF-GOODS-01 - Checklist of Technical and Financial Documents).
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the IB shall not be accepted.

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11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

#### 12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Procuring Entity's country:
    - i. The price of the Goods quoted EXW (ex-works, ex-factory, exwarehouse, ex-showroom, or off-the-shelf, as applicable);
    - The cost of all customs duties and sales and other taxes already paid or payable;
    - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
    - iv. The price of other (incidental) services, if any, listed in the BDS.
  - b. For Goods offered from abroad:
    - i. Unless otherwise stated in the BDS, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the BDS. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
    - ii. The price of other (incidental) services, if any, as listed in the BDS.

#### 13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in Philippine Pesos.

#### 14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the BDS, which shall be not less than the percentage of the ABC in accordance with the schedule in the BDS.
- 14.2. The Bid and bid security shall be valid for One Hundred Twenty (120) calendar days from the date of opening of bids. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as nonresponsive.

#### 15. Sealing and Marking of Bids

Each Bidder shall submit two (2) copies of the first and second components of its Bid, marked Original and Photocopy. Only the original copy will be read and considered for the bid.

Any misplace documents outside of the Original copy will not be considered. The photocopy is <u>ONLY FOR REFERENCE</u>.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

#### 16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the IB.

#### 17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the IB. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

#### 18. Domestic Preference

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

#### 19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "passed," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by ITB Clause 14 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in Section VI (Technical Specifications), although the ABCs of these lots or items are indicated in the BDS for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded to one (1) Bidder in one complete contract per package.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

#### 20. Post-Qualification

20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the BDS.

#### 21. Signing of the Contract

21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the BDS.

# **SECTION III**

# **BID DATA SHEET**

## **SECTION III - BID DATA SHEET**

ITB	
5.3	For Bidder(s) who will submit bids for one (1) Package only, the track record requirement is a single completed contract that is similar to this project with a contract amount equivalent to at least Fifty Percent (50%) of the ABC of the Package the bidder is participating in, adjusted to current prices using the Philippine Statistics Authority (PSA) consumer price index at the time of the bidding.
	For Bidder(s) who will submit bids for two (2) or more Packages, the track record requirement is a single completed contract that is similar to this Project with the contract amount equivalent to at least Fifty Percent (50%) of the highest ABC of the Packages the bidder wishes to participate in, adjusted to current prices using the Philippine Statistics Authority (PSA) consumer price index at the time of the bidding.
	For this purpose, contracts similar to the Project shall be Supply and Delivery of Diesel Generating Sets or Mechanical and/or Electrical Parts/Components/Equipment for Diesel Generating Sets.
	The Single Largest Completed Contract (SLCC) as declared by the bidder shall be verified and validated to ascertain such completed contract. Hence, bidders must ensure access to sites of such projects/equipment to NPC representatives for verification and validation purposes during post-qualification process.
	It shall be a ground for disqualification, if verification and validation cannot be conducted for reasons attributable to the Bidder.
7.1	Subcontracting may be allowed on transport, local/non-skilled labor under the supervision of the Bidder. The Bidder shall not be relieved from any liability or obligation that may arise from the performance of the Subcontractor.
10.1	The prospective bidder shall submit a valid and updated Certificate of PhilGEPs Registration under Platinum Membership (all pages including Annex A of the said Certificate). Non-compliance shall be a ground for disqualification.
10.4	The list of on-going contracts (Form No. NPCSF-GOODS-02) shall be supported by the following documents for each on-going contract to be submitted during <b>Post-Qualification</b> :
	Contract/Purchase Order and/or Notice of Award
	Certification coming from the project owner/client that the performance is satisfactory as of the bidding date
	The bidder shall declare in this form all his on-going government and private contracts including contracts where the bidder (either as individual or as a Joint Venture) is a partner in a Joint Venture agreement other than his current joint venture where he is a partner. Non declaration will be a ground for disqualification of bid.

	The Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid (Form No. NPCSF-GOODS-03) shall be supported by the following documents to be submitted during <b>Bid Opening:</b>
	Certificate of Acceptance;
	or Certificate of Completion;
	or Official Receipt(O.R);
	or Sales Invoice
	Any single bidder/s who already procured/secured the bidding documents but want to avail the Joint Venture Agreement (JVA) shall inform the BAC in writing prior to the bid opening for records and documentation purposes.
10.5	Bidders shall also submit the following requirements in their first envelope, Eligibility and Technical Component of their bid:
	Data and Information to be submitted with the Proposal as specified in Clause TS-5.0 of Section VI - Technical Specifications;
	Complete eligibility documents of the proposed sub-contractor, if any
12	The price of the Goods shall be quoted DDP Project Site or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:
   	a) The amount of not less two percent (2%) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or
	b) The amount of not less than five percent (5%) of ABC, if bid security is in Surety Bond.
19.3	Goods are grouped into Packages and shall be evaluated and awarded on a per package basis.
	Partial bid per package is not allowed. Bidders shall have the option of submitting a proposal on any or all packages and evaluation and contract award will be undertaken on a per Package Basis.
	The Bidders bid offer must be within the ABC per Package and ABC per item.
	Bid offers that exceed the ABC of the Package(s) or any of the item the bidder participated in or with incomplete price, shall be rejected.
19.5	If the Bidder opted to submit a Committed Line of Credit (CLC), the bidder must submit a granted credit line valid/effective at the date of bidding.
20.1	Additional documents to be submitted during Post-Qualification:
	a. Latest Income Tax Returns filed and paid through the BIR Electronic Filing

	and Payment System (eFPS);
	<ul> <li>b. Business Tax/VAT Returns within the last six (6) months preceding the date of the bid submission, filed and paid through the BIR (eFPS);</li> </ul>
	<ul> <li>c. Contract/Purchase Order and/or Notice of Award for the contracts stated in the List of all Ongoing Government &amp; Private Contracts Including Contracts Awarded but not yet Started (NPCSF-GOODS-02);</li> </ul>
	<ul> <li>d. Certification coming from the project owner/client that the performance is satisfactory as of the bidding date for all ongoing contracts stated in Form NPCSF-GOODS-02;</li> </ul>
	e. Contract/Purchase Order for the contract stated in the statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid (Form No. NPCSF-GOODS-03)
	f. Manufacturer's brochures, manuals and other supporting documents of equipment, materials, hardware and tools proposed by the bidders must comply with the technical specifications of such equipment, materials, hardware and tools. It shall be a ground for disqualification if the submitted brochures, manuals and other supporting documents are determined not complying with the specifications during technical evaluation and post- qualification process.
	Equipment, materials, hardware and tools proposed by the winning bidder to be supplied, which were evaluated to be complying with the technical specifications, shall not be replaced and must be the same items to be delivered/installed/used during the contract implementation. Any proposed changes/replacement of said items may be allowed on meritorious reasons subject to validation and prior approval by NPC.
	g. Eligibility Documents listed on the Annex A of Certificate of PhilGEPs Registration under Platinum Membership pursuant to Section 34.3 of the Revised IRR of R.A. 9184
20.2	The licenses and permits relevant to the Project and the corresponding law requiring it as specified in the Technical Specifications, if any.
21.2	Notice to Proceed.
Disclaimer and Data Privacy Notice	All bid submissions and related correspondences are confidential and for viewing only by the intended recipient/s. Any unauthorized access to review, reproduce, or disseminate the information contained therein is strictly prohibited. The National Power Corporation (NAPOCOR) does not guarantee the security of any information electronically transmitted.
	Bid submission and related correspondences may contain personal and sensitive personal information, and are subject to the Data Privacy Act of 2012, its implementing rules, regulations and issuances of the National Privacy Commission of the Philippines ("Privacy Laws"). By viewing, using, storing, sharing and disposing (collectively "Processing"), such bids submissions and correspondences, you agree to comply with the Privacy Laws. By responding to

correspondences, you consent to the Processing by NAPOCOR of the Personal Data contained in your submission/reply in accordance with NAPOCOR's Personal Data Privacy Policy which you can find at http://www.napocor.gov.ph.

To report any privacy issue, contact the Data Privacy Officer at <a href="mailto:dpo@napocor.gov.ph.">dpo@napocor.gov.ph.</a>

NAPOCOR is not liable for the proper and complete transmission of the information contained in bid submission/correspondences nor for any delay in its receipt.

# **SECTION IV**

# **GENERAL CONDITIONS OF CONTRACT**

### **SECTION IV – GENERAL CONDITIONS OF CONTRACT**

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#### SECTION IV – GENERAL CONDITIONS OF CONTRACT

#### 1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the Special Conditions of Contract (SCC).

#### 2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the SCC.

#### 3. Performance Security

- 3.1. Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later thanthe signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.
- 3.2. Theperformance bond to be posted by the Contractor must also comply with additional requirements specified in the SCC.

#### 4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the SCC, Section VI (Technical Specifications) shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be

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conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes. All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

#### 5. Warranty

- 5.1 In order toassure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipts of such notice, the Supplier shall correct/repair or replace the defective Goods or parts thereof within the period specified in the SCC, without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

#### 6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

## **SECTION V**

# SPECIAL CONDITIONS OF CONTRACT

### SECTION V ~ SPECIAL CONDITIONS OF CONTRACT

GCC Clause	
1	Delivery and Documents –
	The delivery terms applicable to the Contract is DDP delivered to the project site specified in the technical specifications, in accordance with INCOTERMS. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.
:	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI – Technical Specifications. The details of shipping and/or other documents to be furnished by the Supplier are as follows:
	For Goods supplied from within the Philippines
	Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:
	(i) Original and four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
;	(ii) Original and four copies of Supplier's factory test/inspection report;
	(iii) Original and four copies of the certificate of origin (for imported Goods);
:	(iv) Delivery receipt detailing number and description of items received signed by the Procuring Entity's representative at the Project Site;
	(v) Certificate of Completion/Inspection Report signed by the Procuring Entity's representative at the Project Site;
	(vi) Original and four copies of the Inspection Receiving Report signed by the Procuring Entity's representative at the Project Site;
	(vii) Original and four copies of the Manufacturer's and/or Supplier's warranty certificate; and
	(viii) Documents specified in the Technical Specifications, if any.
	For Goods supplied from abroad:
	Upon shipment, the Supplier shall notify the Procuring Entity and the insurance company by e-mail the full details of the shipment, including Contract Number, description of the Goods, quantity, vessel, bill of lading number and date, port of loading, date of shipment, port of discharge etc. Upon delivery to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents as applicable with the documentary requirements of any letter of credit issued taking precedence:
	(i) Original and four copies of the Supplier's invoice showing

Goods'description, quantity, unit price, and total amount;

- (ii) Original and four copies of the negotiable, clean shipped on board bill of lading marked "freight pre-paid" and five copies of the non-negotiable bill of lading;
- (iii) Original and four copies of Supplier's factory test/inspection report;
- (iv) Delivery receipt detailing number and description of items received signed by the Procuring Entity's representative at the Project Site;
- (v) Certificate of Completion/Inspection Report signed by the Procuring Entity's representative at the Project Site;
- (vi) Original and four copies of the Inspection Receiving Report signed by the Procuring Entity's representative at the Project Site;
- (vii) Original and four copies of the certificate of origin (for imported Goods);and
- (viii) Original and four copies of the Manufacturer's and/or Supplier's warranty certificate including all other documents specified in the Technical Specifications, if any.

For purposes of this Clause the Procuring Entity's Representative at the Project Site is the Division Manager of MQNLOD.

#### Incidental Services -

The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:

- performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- b. furnishing of tools required for assembly and/or maintenance of the supplied Goods:
- c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- f. Additional requirements specified in Section VI Technical Specifications, if any.

The Contract price for the Goods shall include the prices charged by the

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Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

#### Spare Parts -

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- 2. in the event of termination of production of the spare parts:
  - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
  - following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested

The spare parts and other components required are listed in Section VI (Technical Specifications) and Section VII (Schedule of Requirements/Bid Price Schedule) and the costs thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for the period specified in the Technical Specifications.

Spare parts or components shall be supplied as promptly as possible, but in any case, within three (3) months of placing the order.

#### Packaging -

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

The outer packaging must be clearly marked on at least four (4) sides as follows:

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Name of the Procuring Entity
Name of the Supplier
Contract Description
Final Destination
Gross weight
Any special lifting instructions
Any special handling instructions
Any relevant HAZCHEM classifications

A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.

#### Transportation -

Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.

Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.

Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.

The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.

#### Intellectual Property Rights -

The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.

2.2

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Advance payment not to exceed fifteen percent (15%) of the contract amount shall be allowed and paid within sixty (60) calendar days from effectivity of the contract and upon the submission to and acceptance by the Procuring Entity of an irrevocable letter of credit or bank guarantee issued by a Universal or Commercial Bank. The irrevocable letter of credit or bank guarantee must be for an equivalent amount, shall remain valid until the goods are delivered, and accompanied by a claim for advance payment.

All progress payments shall first be charged against the advance payment until the latter has been fully exhausted.

The terms of payment shall be as follows:

#### 1) For Supply and Delivery Contracts:

- (a) On Contract Effectivity: Advance payment of Fifteen percent (15%) of the totalContract Price shall be paid within sixty (60) days from effectivity of the Contract and upon submission of a claim and an irrevocable letter of credit or bank guarantee issued by a Universal or Commercial Bank for the equivalent amount valid until the Goods are delivered and in the form provided in Section VIII- Bidding Forms.
- (b) On Delivery: Eighty percent (80%) of the Contract Price of the delivered Goods shall be considered for payment, less the total amount of advance payment, if any and other deductions. If the amount is sufficient to fully recoup the advance payment, the remainder after deductions shall be paid to the Supplier within sixty (60) days after the date of receipt of the Goods and upon submission of the documents (i) through (vi) specified in the SCC provision on Delivery and Documents. Otherwise, the total delivery payment shall be charged against the advance payment and the remaining advance payment will be fully recouped from the succeeding claims.
- (c) On Acceptance: The remaining twenty percent (20%) of the Contract Price of the *delivered Goods* shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the Procuring Entity's authorized representative. In the event that no acceptance certificate is issued by the Procuring Entity's authorized representative within forty five (45) days after successful test and commissioning, if required, the Supplier shall have the right to claim payment of the remaining twenty percent (20%) subject to the Procuring Entity's own verification of the reason(s) for the failure to issue documents (vii) and (viii) as described in the <u>SCC</u> provision on Delivery and Documents.

#### 2) For Supply, Delivery, Installation, Test and Commissioning Contracts:

(a) On Contract Effectivity: Advance payment of Fifteen percent (15%) of the total Contract Price shall be paid within sixty (60) days from effectivity of the Contract and upon submission of a claim and an irrevocable letter of credit or bank guarantee issued by a Universal or Commercial Bank for the equivalent amount valid until the Goods are

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delivered and in the form provided in Section VIII- Bidding Forms.

- (b) On Delivery: Eighty percent (80%) of the price of the delivered Goods, excluding price for installation, test and commissioning shall be considered for payment, less the total amount of advance payment, if any and other deductions. If the amount is sufficient to fully recoup the advance payment, the remainder after deductions shall be paid to the Supplier within sixty (60) days after the date of receipt of the Goods and upon submission of the documents (i) through (vi) specified in the SCC provision on Delivery and Documents. Otherwise, the total delivery payment shall be charged against the advance payment and the remaining advance payment will be fully recouped from the succeeding claims.
- (c) On Acceptance: The remaining twenty percent (20%) of the price of the delivered Goods plus price for installation, test and commissioning shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the Procuring Entity's authorized representative. In the event that no acceptance certificate is issued by the Procuring Entity's authorized representative within forty five (45) days after successful test and commissioning, the Supplier shall have the right to claim payment subject to the Procuring Entity's own verification of the reason(s) for the failure to issue documents (vii) and (viii) as described in the SCC provision on Delivery and Documents.
- 3) For Supply, Delivery, Installation, Test and Commissioning Contracts where Installation, Test and Commissioning prices are included in the supply price:
  - (a) On Contract Effectivity: Advance payment of Fifteen percent (15%) of the total Contract Price shall be paid within sixty (60) days from effectivity of the Contract and upon submission of a claim and an irrevocable letter of credit or bank guarantee issued by a Universal or Commercial Bank for the equivalent amount valid until the Goods are delivered and in the form provided in Section VIII- Bidding Forms.
  - (b) On Delivery: Sixty percent (60%) of the price of the delivered Goods shall be considered for payment, less the total amount of advance payment, if any and other deductions. If the amount is sufficient to fully recoup the advance payment, the remainder after deductions shall be paid to the Supplier within sixty (60) days after the date of receipt of the Goods and upon submission of the documents (i) through (vi) specified in the SCC provision on Delivery and Documents. Otherwise, the total delivery payment shall be charged against the advance payment and the remaining advance payment will be fully recouped from the succeeding claims.
  - (c) On Acceptance: The remaining forty percent (40%) of the price of the delivered Goods shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the Procuring Entity's authorized representative. In the event that no acceptance certificate is issued by

SECTION V - SPECIAL CONDITIONS OF CONTRACT

PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

	the Procuring Entity's authorized representative within forty five (45) days after successful test and commissioning, the Supplier shall have the right to claim payment subject to the Procuring Entity's own verification of the reason(s) for the failure to issue documents (vii) and (viii) as described in the <u>SCC</u> provision on Delivery and Documents
3.2	<ol> <li>The following must be indicated in the performance bond to be posted by the Contractor:         <ol> <li>Company Name</li> <li>Correct amount of the Bond</li> <li>Contract/Purchase Order Reference Number</li> <li>Purpose of the Bond:</li></ol></li></ol>
	<ol> <li>The bond shall remain valid and effective until the duration of the contract (should be specific date reckoned from the contract effectivity) plus sixty (60) days after NPC's acceptance of the last delivery/final acceptance of the project.</li> </ol>
	3. In case of surety bond, any extension of the contract duration or delivery period granted to the CONTRACTOR shall be considered as given, and any modification of the contract shall be considered as authorized, as if with the expressed consent of the surety, provided that such extension or modifications falls within the effective period of the said surety bond. However, in the event that the extension of the contract duration or delivery schedule would be beyond the effective period of the surety bond first posted, it shall be the sole obligation of the CONTRACTOR to post an acceptable Performance Security within ten (10) calendar days after the contract duration/delivery period extension has been granted by NPC.
	Other required conditions in addition to the standard policy terms issued by the Bonding Company:
	<ul> <li>The bond is a penal bond, callable on demand and the entire amount thereof shall be forfeited in favor of the Obligee upon default of the Principal without the need to prove or to show grounds or reasons for demand for the sum specified therein;</li> </ul>
	ii. The amount claimed by the Obligee under this bond shall be paid in full and shall never be subject to any adjustment by the Surety;
	iii. In case of claim, the Surety shall pay such claim within sixty (60) days from receipt by the Surety of the Obligee's notice of claim/demand letter notwithstanding any objection thereto by the Principal.
4	The inspections and tests that will be conducted are specified in the Technical Specifications.

BID DOCUMENTS

SUPPLY AND DELIVE F CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MQNLOD

PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

SECTION V - SPECIAL CONDITIONS OF CONTRACT

The period for correction of defects in the warranty period shall not exceed thirty 5.2 (30) days upon receipt of the notice from NPC.

PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

#### SECTION VI

# TECHNICAL SPECIFICATIONS

(PART I - TECHNICAL SPECIFICATIONS)

## 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 CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS GENERATING SETS OF MONLOD.

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 CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS GENERATING SETS OF MQNLOD.

**Schedule of Requirements of Spare Parts** 

PACKAGE I: 80KW & 100 CUMMINS, MODEL: 6BTAA5.9-G2 & G12, ENGINE NOS. 87205475 & 78507376

	6/2094/3 & /650/3/6				
ITEM	DESCRIPTION	PART NUMBER	Q	TY	
1	SET, UPPER ENGINE GASKET	4089649	7	PC	
2	SEAL, RECTANGULAR RING	C3909356	42	PC	
3	COLLET, VALVE	C3900250	168	PC	
4	VALVE, EXHAUST	C4994143	42	PC	
5	VALVE, INTAKE	C4995554	42	PC	
6	RETAINER, VALVE SPRING	C3957913	84	PC	
7	GASKET, EXHAUST CONNECTION	C4928804	7	PC	
8	GASKET, EXHAUST CONNECTION	C4928805	14	PC	
9	TAPPET VALVE	C3931623	60	PC	
10	GASKET, OIL PAN	C3959052	5	PC	
11	RING, COMPRESSION PISTON	C3904531	30	PC	

12	RING, COMPRESSION PISTON	C3918315	30	PC
13	RING, OIL PISTON	C3932520	30	PC
14	BEARING, CONNECTING ROD	C3969562	30	PC
15	BEARING, CONNECTING ROD	C4893693	30	PC
16	BEARING, MAIN	C3978818	30	PC
17	BEARING MAIN	C3978820	35	PC
18	BEARING, THRUST	C3978822	5	PC
19	BUSHING	C3901306	5	PC
20	LINER, CYLINDER	C3904166	30	PC
21	RING, RETAINING	C3920691	60	PC
22	PISTON, ENGINE	C3926631	30	PC
23	PIN, PISTON	C3934047	30	PC
24	GASKET, GEAR HOUSING	C3938156	5	PC
25	GASKET, REAR COVER	C3938159	5	PC
26	SEAL, RECTANGULAR RING	C3912473	5	PC
27	SEAL, OIL	C3968563	5	PC
28	SEAL, OIL	C4982415	5	PC
29	SEAL, OIL	C4991305	5	PC
30	GASKET, GEAR COVER	D3918673	5	PC
31	GASKET, FILTER HEAD	C3942915	5	PC
32	GASKET, OIL COOLER CORE	C5266445	5	PC
33	SEAL, RECTANGULAR RING	C3906696	5	PC
34	PUSH ROD	C3284377	60	PC
35	SUPPORT, ROCKER LEVER	C3934920	30	PC
36	SEAL, RECTANGULAR RING	C3906697	5	PC
37	SEAL, RECTANGULAR RING	C3906698	5	PC
38	SPRING, VALVE	C3916671	30	PC
39	SPRING, VALVE	C3926700	30	PC
40	FLANGE, CRANKSHAFT	C5265057	4	PC
41	CONNECTION, SPACER	C5266557	4	PC
42	CAP, MAIN BEARING	C3903492	14	PC

44         CRANKSHAFT, ENGINE         C3929037         2         ASSY           45         NOZZLE, PISTON COOLING         C3937214         12         PC           46         HOUSING, GEAR         C5267763         4         PC           47         DAMPER, VIBRATION         C3973659         4         PC           48         THERMOSTAT         C4930315         20         PC           49         ALTERNATOR         C3972529         4         PC           50         SENSOR, SPEED         C3971994         40         PC           51         PULLEY, FAN         C3914458         4         PC           52         SUPPORT, FAN         C3914458         4         PC           53         HEAD, FUEL FILTER         C3930969         4         PC           54         HEAD, FUEL FILTER         C4989118         4         PC           55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         TUBE, FUEL SUPLY         C3960730         4         PC <th>43</th> <th>GEAR, CRANKSHAFT</th> <th>C3929027</th> <th>  2</th> <th>PC</th>	43	GEAR, CRANKSHAFT	C3929027	2	PC
46         HOUSING, GEAR         C5267783         4         PC           47         DAMPER, VIBRATION         C3973659         4         PC           48         THERMOSTAT         C4930315         20         PC           49         ALTERNATOR         C3972529         4         PC           50         SENSOR, SPEED         C3971994         40         PC           51         PULLEY, FAN         C3914458         4         PC           52         SUPPORT, FAN         C4932907         4         PC           53         HEAD, FUEL FILTER         C3930969         4         PC           54         HEAD, FUEL FILTER         C4989118         4         PC           55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5267707         2         PC	44	CRANKSHAFT, ENGINE	C3929037	2	ASSY
47         DAMPER, VIBRATION         C3973659         4         PC           48         THERMOSTAT         C4930315         20         PC           49         ALTERNATOR         C3972529         4         PC           50         SENSOR, SPEED         C3971994         40         PC           51         PULLEY, FAN         C3914458         4         PC           52         SUPPORT, FAN         C4932907         4         PC           53         HEAD, FUEL FILTER         C4989118         4         PC           54         HEAD, FUEL FILTER         C4989118         4         PC           55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5267707         2         PC           61         PUMP, FUEL TRANSFER         C5334912         2         PC	45	NOZZLE, PISTON COOLING	C3937214	12	PC
48 THERMOSTAT C4930315 20 PC 49 ALTERNATOR C3972529 4 PC 50 SENSOR, SPEED C3971994 40 PC 51 PULLEY, FAN C3914458 4 PC 52 SUPPORT, FAN C4932907 4 PC 53 HEAD, FUEL FILTER C3930969 4 PC 54 HEAD, FUEL FILTER C4989118 4 PC 55 TUBE, FUEL SUPPLY C5273909 4 PC 56 TUBE, FUEL SUPPLY C3977536 4 PC 57 FAN, ENGINE C4931807 2 PC 58 ADAPTER, FAN C4931791 2 PC 59 GEAR, FUEL PUMP C3980730 4 PC 60 PUMP, FUEL INJECTION C5318046 2 PC 61 PUMP, FUEL INJECTION C5267707 2 PC 62 PUMP, FUEL TRANSFER C5334912 2 PC 63 PUMP, FUEL TRANSFER C4937767 2 PC 64 TUBE, FUEL SUPPLY C4940671 2 PC 65 MANIFOLD, FUEL C4931027 4 PC 66 TUBE, FUEL SUPPLY C4931627 4 PC 67 PIPE, AIR TRANSFER C4935790 4 PC 68 HEAD, LUBE OIL FILTER C4934217 4 PC 69 CORE, COOLER C3957544 4 PC 70 PUMP, LUBRICATING OIL C4939587 4 PC 71 CONNECTION, OIL SUCTION C3921992 4 PC 72 PAN, OIL C3915703 1 PC 73 SUPPORT, CAMSHAFT THRUST C3927155 4 PC	46	HOUSING, GEAR	C5267783	4	PC
49 ALTERNATOR C3972529 4 PC 50 SENSOR, SPEED C3971994 40 PC 51 PULLEY, FAN C3914458 4 PC 52 SUPPORT, FAN C4932907 4 PC 53 HEAD, FUEL FILTER C3930969 4 PC 54 HEAD, FUEL FILTER C4989118 4 PC 55 TUBE, FUEL SUPPLY C5273909 4 PC 56 TUBE, FUEL SUPPLY C3977536 4 PC 57 FAN, ENGINE C4931807 2 PC 58 ADAPTER, FAN C4931791 2 PC 59 GEAR, FUEL PUMP C3960730 4 PC 60 PUMP, FUEL INJECTION C5318046 2 PC 61 PUMP, FUEL INJECTION C5267707 2 PC 62 PUMP, FUEL INJECTION C5267707 2 PC 63 PUMP, FUEL TRANSFER C4937767 2 PC 64 TUBE, FUEL SUPPLY C4940671 2 PC 65 MANIFOLD, FUEL C4931027 4 PC 66 TUBE, FUEL DRAIN C5301453 4 PC 67 PIPE, AIR TRANSFER C4935790 4 PC 68 HEAD, LUBE OIL FILTER C4934217 4 PC 69 CORE, COOLER C3967503 1 PC 70 PUMP, LUBRICATING OIL C4939587 4 PC 71 CONNECTION, OIL SUCTION C3921992 4 PC 72 PAN, OIL C3915703 1 PC 73 SUPPORT, CAMSHAFT THRUST C3927155 4 PC	47	DAMPER, VIBRATION	C3973659	4	PC
50         SENSOR, SPEED         C3971994         40         PC           51         PULLEY, FAN         C3914458         4         PC           52         SUPPORT, FAN         C4932907         4         PC           53         HEAD, FUEL FILTER         C3930969         4         PC           54         HEAD, FUEL FILTER         C4969118         4         PC           55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C4937767         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL DRAIN         C5301453         4	48	THERMOSTAT	C4930315	20	PC
51         PULLEY, FAN         C3914458         4         PC           52         SUPPORT, FAN         C4932907         4         PC           53         HEAD, FUEL FILTER         C3930969         4         PC           54         HEAD, FUEL FILTER         C4989118         4         PC           55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4	49	ALTERNATOR	C3972529	4	PC
52         SUPPORT, FAN         C4932907         4         PC           53         HEAD, FUEL FILTER         C3930969         4         PC           54         HEAD, FUEL FILTER         C4989118         4         PC           55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4	50	SENSOR, SPEED	C3971994	40	PC
53         HEAD, FUEL FILTER         C3930969         4         PC           54         HEAD, FUEL FILTER         C4989118         4         PC           55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4<	51	PULLEY, FAN	C3914458	4	PÇ
54         HEAD, FUEL FILTER         C4989118         4         PC           55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217 <t< td=""><td>52</td><td>SUPPORT, FAN</td><td>C4932907</td><td>4</td><td>PC</td></t<>	52	SUPPORT, FAN	C4932907	4	PC
55         TUBE, FUEL SUPPLY         C5273909         4         PC           56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4 </td <td>53</td> <td>HEAD, FUEL FILTER</td> <td>C3930969</td> <td>4</td> <td>PC</td>	53	HEAD, FUEL FILTER	C3930969	4	PC
56         TUBE, FUEL SUPPLY         C3977536         4         PC           57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587 <td< td=""><td>54</td><td>HEAD, FUEL FILTER</td><td>C4989118</td><td>4</td><td>PC</td></td<>	54	HEAD, FUEL FILTER	C4989118	4	PC
57         FAN, ENGINE         C4931807         2         PC           58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           72         PAN, OIL         C3915703         1	55	TUBE, FUEL SUPPLY	C5273909	4	PÇ
58         ADAPTER, FAN         C4931791         2         PC           59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703	56	TUBE, FUEL SUPPLY	C3977536	4	PÇ
59         GEAR, FUEL PUMP         C3960730         4         PC           60         PUMP, FUEL INJECTION         C5318046         2         PC           61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155 </td <td>57</td> <td>FAN, ENGINE</td> <td>C4931807</td> <td>2</td> <td>PC</td>	57	FAN, ENGINE	C4931807	2	PC
60 PUMP, FUEL INJECTION C5318046 2 PC 61 PUMP, FUEL INJECTION C5267707 2 PC 62 PUMP, FUEL TRANSFER C5334912 2 PC 63 PUMP, FUEL TRANSFER C4937767 2 PC 64 TUBE, FUEL SUPPLY C4940671 2 PC 65 MANIFOLD, FUEL C4931027 4 PC 66 TUBE, FUEL DRAIN C5301453 4 PC 67 PIPE, AIR TRANSFER C4935790 4 PC 68 HEAD, LUBE OIL FILTER C4934217 4 PC 69 CORE, COOLER C3957544 4 PC 70 PUMP, LUBRICATING OIL C4939587 4 PC 71 CONNECTION, OIL SUCTION C3921992 4 PC 72 PAN, OIL C3915703 1 PC 73 SUPPORT, CAMSHAFT THRUST C3927155 4 PC	58	ADAPTER, FAN	C4931791	2	PC
61         PUMP, FUEL INJECTION         C5267707         2         PC           62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	59	GEAR, FUEL PUMP	C3960730	4	PC
62         PUMP, FUEL TRANSFER         C5334912         2         PC           63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	60	PUMP, FUEL INJECTION	C5318046	2	PC
63         PUMP, FUEL TRANSFER         C4937767         2         PC           64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	61	PUMP, FUEL INJECTION	C5267707	2	PC
64         TUBE, FUEL SUPPLY         C4940671         2         PC           65         MANIFOLD, FUEL         C4931027         4         PC           66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	62	PUMP, FUEL TRANSFER	C5334912	2	PC
65       MANIFOLD, FUEL       C4931027       4       PC         66       TUBE, FUEL DRAIN       C5301453       4       PC         67       PIPE, AIR TRANSFER       C4935790       4       PC         68       HEAD, LUBE OIL FILTER       C4934217       4       PC         69       CORE, COOLER       C3957544       4       PC         70       PUMP, LUBRICATING OIL       C4939587       4       PC         71       CONNECTION, OIL SUCTION       C3921992       4       PC         72       PAN, OIL       C3915703       1       PC         73       SUPPORT, CAMSHAFT THRUST       C3927155       4       PC	63	PUMP, FUEL TRANSFER	C4937767	2	PC
66         TUBE, FUEL DRAIN         C5301453         4         PC           67         PIPE, AIR TRANSFER         C4935790         4         PC           68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	64	TUBE, FUEL SUPPLY	C4940671	2	PÇ
67 PIPE, AIR TRANSFER C4935790 4 PC 68 HEAD, LUBE OIL FILTER C4934217 4 PC 69 CORE, COOLER C3957544 4 PC 70 PUMP, LUBRICATING OIL C4939587 4 PC 71 CONNECTION, OIL SUCTION C3921992 4 PC 72 PAN, OIL C3915703 1 PC 73 SUPPORT, CAMSHAFT THRUST C3927155 4 PC	65	MANIFOLD, FUEL	C4931027	4	PC
68         HEAD, LUBE OIL FILTER         C4934217         4         PC           69         CORE, COOLER         C3957544         4         PC           70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	66	<u>                                       </u>	C5301453	4	PC
69       CORE, COOLER       C3957544       4       PC         70       PUMP, LUBRICATING OIL       C4939587       4       PC         71       CONNECTION, OIL SUCTION       C3921992       4       PC         72       PAN, OIL       C3915703       1       PC         73       SUPPORT, CAMSHAFT THRUST       C3927155       4       PC	67	PIPE, AIR TRANSFER	C4935790	4	PC
70         PUMP, LUBRICATING OIL         C4939587         4         PC           71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	68	HEAD, LUBE OIL FILTER	C4934217	4	PC
71         CONNECTION, OIL SUCTION         C3921992         4         PC           72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	69	CORE, COOLER	C3957544	4	PC
72         PAN, OIL         C3915703         1         PC           73         SUPPORT, CAMSHAFT THRUST         C3927155         4         PC	70	PUMP, LUBRICATING OIL	C4939587	4	PC
73 SUPPORT, CAMSHAFT THRUST C3927155 4 PC	71	CONNECTION, OIL SUCTION	C3921992	4	PC
	L	<u> </u>	C3915703	1	PC
74 GEAR, CAMSHAFT C3929028 4 PC			C3927155	4	PC
	74	GEAR, CAMSHAFT	C3929028	4	PC

75	CAMSHAFT	C3970366	2	PC
76	INJECTOR	C4943468	24	PC
77	INJECTOR	C4948366	24	PC
78	ROD, ENGINE CONNECTING	C4943979	24	PC
79	TURBOCHARGER	C3767251	4	PC
79	TURBOCHARGER	C3767251	4	PC
80	TURBOCHARGER	C3788390	4	PC
81	HEAD, CYLINDER	C5254535ZZ	4	PC
82	HEAD, CYLINDER	C4981002	4	PC
83	TUBE, INJECTOR FUEL SUPPLY	C3960464	4	PC
84	TUBE, INJECTOR FUEL SUPPLY	C3960465	4	PC
85	TUBE, INJECTOR FUEL SUPPLY	C4929779	4	PC
86	TUBE, INJECTOR FUEL SUPPLY	C4931029	4	PC
87	RELAY	C4988354	4	PC
88	SENSOR, TEMPERATURE	C3967250	10	PC
89	MOTOR, STARTING	C4935789	4	PC
90	RELAY	C5266538	4	PC
91	MANIFOLD, EXHAUST	C3970066	4	PC
92	HOUSING, THERMOSTAT	C5257270	4	PC
93	CONNECTION, WATER INLET	C3973197	4	PC
94	PUMP, WATER	C4935793	4	PC
95	TENSIONER, BELT	C3937553	4	PC
96	RADIATOR	FOR 80KW 6BTAA5.9-G2	2	ASSY
97	RADIATOR	FOR 100KW 6BTAA5.9-	2	ASSY
98	RADIATOR	G12 FOR 120KW 6BTAA5.9-	2	ASSY
99	CONTROL, GOVERNOR	G2 FORTRUST C2002	4	PC
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## PACKAGE II: 200KW CUMMINS, MODEL: 6LTAA8.9-G3 & G2, ENGINE NOS. 78510306 & 78583531

ITEM	DESCRIPTION	PART NUMBER	Q	TY
1	GASKET KIT, TOP OVERHAULING	4089758	8	PC
2	COLLET, VALVE	3900250	384	PC

3	VALVE, INSERT INTAKE	3940152	96	РС
4	INSERT, VALVE EXHAUST	3968074	96	PC
5	RETAINER, VALVE SPRING	C3944452	192	PC
6	VALVE, INTAKE	D3942588	96	PC
7	VALVE EXHAUST	D3942589	96	PC
8	VALVE STEM GUIDE	4934063	120	PC
9	ROD, PUSH	C3964715	60	PC
10	VALVE TAPPET	C3965966	60	PC
11	GASKET, OIL COOLER CORE	C3918174	5	PC
12	GASKET, LUB OIL CLR COVER	C3929011	5	PC
13	GASKET, CONNECTION AIR	C3917892	5	PC
14	RING, OIL PISTON	C3921919	30	PC
15	RING, COMPRESSION PISTON	C3948412	30	PC
16	RING, COMPRESSION PISTON	C3964073	30	PC
17	BEARING, CONNECTING ROD	C3950661	30	PC
18	BEARING, CONNECTING ROD	C3966244	30	PC
19	RING, RETAINING	C3920692	60	PC
20	GASKET, OIL PAN	C3973509	5	PC
21	BEARING, MAIN	C3944153	18	PC
22	BEARING, MAIN	C3944158	21	PC
23	BEARING , CRAKSHAFT THRUST	C3994163	3	PC
24	LINER, CYLINDER	C3948095	18	PC
25	SEAL, RECTANGULAR	C3907177	18	PC
26	SEAL, RECTANGULAR RING	C3912473	3	PC
27	GASKET, REAR COVER	C3939353	3	PC
28	SEAL, OIL	C3942535	3	PC
29	SEAL, OIL	C3968562	3	PC
30	GASKET, CONNECTION	C3415658	3	PC
31	PIN, PISTON	C3950549	18	PC
32	PISTON, ENGINE	C5302254	18	PC
33	BUSHING, CAMSHAFT	C3945329	21	PC
34	SEAL, O RING	C3926048	3	PC
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35	SEAL, O RING	C3940386	3	PC
36	SEAL, O RING	C3969698	3	PC
37	SEAL, O-RING	C3913994	3	PC
38	SPRING, VALVE	3944711	72	PC
39	GASKET, GEAR HOUSING	C3944293	3	PC
40	PUMP, WATER	C4934058	4	PC
41	HOSE, PUMP	C3071049	16	PC
42	TENSION, BELT	C3976831	4	PC
43	HOUSING, TIMING PIN	C3913995	4	PC
44	HOUSING, GEAR	C3938086	4	PC
45	SENSOR, TEMPERATURE	C3979176	20	PC
46	SENSOR, OIL PRESSURE	C4931169	20	PC
47	NOZZLE PISTON COOLING	C3959291	24	PC
48	TAPPET GUIDE	C4944725	48	PC
49	MOTOR STARTER	C3415537	4	PC
50	TURBOCHARGER	C4047354	4	PC
51	INJECTOR	C3975929	24	PC
52	CONNECTOR, MALE	3936953	24	PC
53	CAMSHAFT	C3976620	1	PC
54	GEAR, CAMSHAFT	C3918777	1	PC
55	CORE, COOLER	C3966365	4	PC
56	FAN, ENGINE	C3911326	2	PC
57	PUMP, FUEL INJECTION	C5258154	1	PC
58	PUMP, FUEL INJECTION	5336899	2	PC
59	PUMP, FUEL LIFT	C3415661	3	PC
60	TUBE, FUEL DRAIN	C3415562	4	PC
61	TUBE, FUEL DRAIN	C3971125	4	PC
62	TUBE, FUEL SUPPLY	C3971124	4	PC
63	TUBE INJECTOR FUEL SUP	C3976434	4	PC
64	TUBE INJECTOR FUEL SUP	C3976433	4	PC
65	MANIFOLD, EXHAUST	C3937477	4	PC
66	MANIFOLD, EXHAUST	C3943841	4	PC
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67	PIPE, EXHAUST OUTLET	C3910994	4	PC
68	HEAD, FUEL FILTER	C3971399	4	PC
69	HEAD, FUEL FILTER	C4934663	4	PC
70	TUBE, FUEL SUPPLY	C3971123	4	PC
71	HEAD, LUBE OIL FILTER			PC
	<u>l</u>	C4936582	4	_
72	SWITCH, MAGNETIC	C3916302	10	PC
73	THERMOSTAT	C3968559	4	PC
74	ALTERNATOR	C3415691	4	PC
75	VALVE CROSSHEAD	C3943445	48	PC
76	ROCKER LEVER ASSY	C3972540	24	PC
77	SENSOR, SPEED	C3971994	20	PC
78	SUPPORT, FAN	C3415603	4	PC
79	PULLEY, FAN	C3926855	4	PC
80	DAMPER, VIBRATION	3967014	4	PC
81	PULLEY, CRANKSHAFT	C3943978	4	PC
82	PUMP, LUBRICATING OIL	C4941464	4	PC
83	CRANKSHAFT, ENGINE	C3976841	1	PC
84	SUPPORT, CAMSHAFT THRUST	C3944001	1	PC
85	ASSEMBLY, ROCKER LEVER	C5253887	24	PC
86	CONNECTING ROD ASSEMBLY	3979744	24	PC
87	SCREW, HEX FLANGE HEAD CA	C3960043	104	PC
88	HEAD, CYLINDER	C4936714	4	PC
89	CAP, MAIN BEARING	C3970955	28	PC
90	CONNECTION, AIR INTAKE	C3928519	4	PC
91	CONNECTION, AIR INTAKE	C3943613	4	PC
92	HEATER, INTAKE AIR	C4940600	4	PC
93	PIPE, AIR TRANSFER	C3883977	4	PC
94	PAN, OIL	C3944258	2	PC
95	CONNECTION, OIL SUCTION	3964028	2	PC
96	CLAMP, INJECTOR	C3940639	24	PC
97	CONNECTOR, WATER INLET	C3944720	4	PC
98	CONNECTION, WATER OUTLET	C3944429	4	PC

SECTION VI - TECHNICAL SPECIFICATIONS

99	RADIATOR	N/A	5	ASSY
100	SPEED CONTROLLER	S6700H	3	PC

PACKAGE III: 300KW CUMMINS, MODEL: KTA19-G2, ENGINE NO. 41274887

ITEM	DESCRIPTION	PART NUMBER		TY
1	UPPER ENGINE GASKET SET	3803598	7	PC
2	COLLET, VALVE	205091	96	PC
3	RETAINER, VALVE SPRING	205094	48	PC
4	INSERT, VALVE EXHAUST	205093	36	PC
5	INSERT, VALVE INTAKE	3026296	36	PC
6	VALVE, EXHAUST	3035110	36	PC
7	VALVE, INTAKE	207241	36	PC
8	SEAL, O RING	3010510	84	PC
9	SEAL, O RING	193736	84	PC
10	SEAL, O RING	205216	84	PC
11	ROD, PUSH	205492	36	PC
12	PUSH ROD	3017961	18	PC
13	GUIDE, VALVE SPRING	3001663	72	PC
14	GUIDE, VALVE CROSS	205169	36	PC
15	GUIDE, VALVE STEM	3201311	72	PC
16	TUBE, WATER TRANSFER	207378	3	PÇ
17	GASKET, ADAPTER	3202259	3	PC
18	GASKET, OIL PAN	3042589	3	PC
19	GASKET, OIL PAN	3042590	3	PC
20	RING SET, PISTON	4089500	42	PC
21	BEARING, CONNECTING ROD	205840	84	PC
22	BUSHING	3043909	42	PC
23	LOWER ENGINE GASKET SET	3801007	4	PC
24	KIT, LINER	3028434	24	PC
25	BUSHING	3004686	4	PC
26	BEARING, MAIN SHELL	AR12270	4	PC
27	SCREW, SLOTTED SET	168306	72	PC

28	BUSHING	132770	8	PC
29	BUSHING	205133	4	PC
30	SEAL, REAR OIL CRANKSHAFT	AR10591	4	PC
31	SEAL, RECTANGULAR RING	3096260	4	PC
32	SEAL, THERMOSTAT	186780	8	PC
33	GASKET, LUBE OIL FILTER	3200977	4	PC
34	PISTON ENGINE KIT	3631244	24	PC
35	BUSHING	3002834	28	PC
36	HUB, TIMING	3007111	4	PC
37	SPRING, VALVE	205208	96	PC
38	PULLEY, ALTERNATOR	3002323	4	PC
39	CAP, MAIN BEARING	205021	8	PC
40	CAP, MAIN BEARING	205022	2	PC
41	CAP, MAIN BEARING	205023	2	PC
42	CAP, MAIN BEARING	205075	2	PC
43	SCREW, TWELVE POINT CAP	3025482	28	PC
44	NOZZLE, PISTON COOLING	3200936	12	PC
45	GEAR, IDLER	3004680	2	PC
46	CRANKSHAFT	3418910	1	PC
47	LEVER, ROCKER	3065810	24	PC
48	FOLLOWER, CAMSHAFT	AR10627	24	PC
49	PUMP, LUBRICATING OIL	3047549	4	PC
50	COVER, ROCKER ARM HSG	3047710	12	PC
51	DAMPER, VIBRATION	217322	4	PC
52	PULLEY, CRANKSHAFT	3003696	2	PC
53	SWITCH, PRESSURE	3056344	20	PC
54	SWITCH, TEMPERATURE	3056353	20	PC
55	ALTERNATOR	3016627	4	PC
56	SWITCH, MAGNETIC	3050692	10	PC
57	HÜB, FÄN	3002233	4	PC
58	LEVER, IDLER	3033957	4	PC
59	PULLEY, IDLER	3009639	4	PC

60	ABSORBER, IDLER ARM	3201022	4	PC
61	HEAD, FUEL FILTER	3418763	4	PC
62	HOSE, FLEXIBLE	AS10018	4	PC
63	HOSE, FLEXIBLE	AS6029SS	6	PC
64	HOSE, FLEXIBLE	AS6050SS	6	PC
65	HOSE, FLEXIBLE	AS16025NF	6	PC
66	HOSE, FLEXIBLE	215195	6	PC
67	HOSE, FLEXIBLE	AS10018SS	6	PC
68	PICKUP, MAGNETIC	3034572	10	PC
69	CONTROL, GOVERNOR	3044195	4	PC
70	DRIVE, ACCESSORY	3016734	4	PC
71	PUMP, FUEL	3059651	4	PC
72	VALVE, SHUTOFF	3018453	4	PC
73	MANIFOLD, FUEL	AR45224	4	PC
74	TUBE, FUEL DRAIN	3200406	4	PC
75	TUBE, FUEL	3200885	4	PC
76	TUBE, FUEL SUPPLY	3201115	8	PC
77	TUBE, FUEL DRAIN	3201736	4	PC
78	VALVE, CHECK	178079	4	PC
79	VALVE, CHECK	185505	4	PC
80	THERMOSTAT HOUSING	3065803	4	PC
81	THERMOSTAT	201737	8	PC
82	LUBE OIL FILTER HEAD	3200965	4	PC
83	ADAPTER, FILTER HEAD	3034578	8	PC
84	HEAD, LUBE OIL FILTER	3004173	4	PC
85	PAN, OIL	AR12034	2	PC
86	CAMSHAFT	3028959	2	PC
87	CORE, AFTERCOOLER	3001290	4	PC
88	HEAD, CYLINDER	3021692	18	PC
89	CYLINDER HEAD MOUNTING	3013962	24	PC
90	INJECTOR	3016676	24	PC
91	TURBOCHARGER	3523850	4	PC

SECTION VI - TECHNICAL SPECIFICATIONS

92	HOUSING, ROCKER	3200499	20	PC
93	HOUSING, ROCKER	3200490	4	PC
94	MOTOR, STARTING	3021038	4	PC
95	CONNECTION, AIR CROSSOVER	3016139	4	PC
96	COOLER, ENGINE CAST	3201155	4	PC
97	CORE, COOLER	3023079	8	PC
98	TUBE, WATER BYPASS	3011224	4	PC
99	CONNECTION, WATER OUTLET	AR45710	4	PC
100	PUMP, WATER	3011389	4	PC
101	SHAFT, WATER PUMP	3025885	4	PC
102	CONNECTION, EXHAUST OUTLET	3026237	4	PC
103	FAN, ENGINE	3037710	2	PC
104	SPACER, FAN	167233	2	PC
105	SPACER, FAN	3045665	2	PC
106	MANIFOLD, EXHAUST	205186	8	PC
107	MANIFOLD, EXHAUST	207176	4	PC
108	ROD, ENGINE CONNECTING	3418553	24	PC
109	RADIATOR ASSEMBLY	N/A	2	ASSY

#### PACKAGE IV: 600KW CUMMINS, MODEL: KTA38-G1, ENGINE NO. 41235908

ITEM	DESCRIPTION	PART NO.	Q	ΤΥ
1	GASKET KIT, UPPER ENGINE	4352580	12	PC
2	COLLET VALVE	205091	192	PC
3	RETAINER, VALVE SPRING	205094	96	PC
4	VALVE, INTAKE	207241	48	PC
5	VALVE, EXHAUST	3035110	48	PC
6	INSERT VALVE, EXHAUST	205093	48	PC
7	INSERT VALVE, INTAKE	3026296	48	PÇ
8	SEAL, O RING	3010510	144	PC
9	SEAL, O RING	193736	144	PC
10	SEAL, O RING	205216	144	PC
11	SEAL, DUST	3088371	24	PC

12	PUSH ROD	3017961	24	PC
13	ROD, PUSH	205492	48	PC
14	RING, RETAINER	205439	48	PC
15	GUIDE, VALVE SPRING	3001663	96	PC
16	GUIDE VALVE CROSS	205169	48	PC
17	GUIDE VALVE STEM	3201311	96	PC
18	GASKET, OIL PAN	3043211	6	PC
19	GASKET, OIL PAN	3043212	6	PC
20	RING, COMPRESSION PISTON	3070589	72	PC
21	RING, OIL PISTON	3090450	72	PC
22	RING, COMPRESSION PISTON	3090460	72	PC
23	BEARING, CONNECTING ROD	3047390	144	PÇ
24	BUSHING, CONNECTING ROD	3043909	24	PC
25	LINER, CYLINDER	3006089	72	PC
26	SHELL, MAIN BEARING	AR45264	6	PC
27	GASKET, WATER PUMP	206193	6	PC
28	GASKET, WATER PUMP	206455	6	PC
29	SEAL, O RING	206457	6	PC
30	SEAL, OIL	3016787	6	PC
31	GASKET, GEAR COVER	3177160	6	PC
32	BUSHING	132770	12	PC
33	BUSHING	205133	6	PC
34	BUSHING	205683	6	PC
35	SEAL, OIL	3628895	6	PC
36	GASKET, GEAR HOUSING	3178076	6	PC
37	GASKET, SEAL RETA	205571	6	PC
38	SEAL, OIL	3082142	6	PC
39	GASKET, REAR GEAR	3005940	6	PC
40	GASKET, FUEL PUMP	3069103	-6	PC
41	SEAL, O RING	145600	6	PC
42	GASKET, FILTER HEAD	3177108	6	PC

43	GASKET, FILTER HEAD	3629387	6	PC
44	GASKET, LUB OIL J	3011651	6	PÇ
45	GASKET, HAND HOLE	3175856	6	PC
46	PISTON ENGINE KIT	3036074	72	PC
47	GASKET, WATER HEADER COVER	3009324	18	PC
48	GASKET, WATER HEADER COVER	3009323	18	PC
49	SPRING VALVE	205208	96	PC
50	SCREW, TWELVE POINT CAP	205584	56	PC
51	CAP, MAIN BEARING	206587	10	PC
52	CAP, MAIN BEARING	206588	4	PC
53	SCREW, HEXAGON HEAD CAP	3044578	28	PC
54	VALVE, PISTON COOLING	3179664	12	PC
55	SHAFT, IDLER	3178450	4	PC
56	SHAFT, IDLER	3033853	4	PC
57	SUPPORT, BEARING	3000138	4	PC
58	SUPPORT, BEARING	3175281	4	PC
59	GEAR, IDLER ASSY	3004681	4	PC
60	ASSY, ROCKER LEVER	3176363	24	PC
61	LINK, INJECTOR PL	205462	48	PC
62	RING, INJECTOR SMALL END	207244	48	PC
63	CLAMP, INJECTOR	3006696	48	PC
64	LEVER, CAM FOLLOWER	3039163	48	PC
65	LEVER, CAM FOLLOWER	3039164	96	PÇ
66	VALVE, PRESSURE RELIEF	AR11475	4	PC
67	PUMP, LUBRICATING OIL	AR12387	4	PC
68	COOLER, LUBE OIL	3022892	12	PC
69	SUPPORT, WATER PUMP	3024194	4	PC
70	PUMP, WATER	3050445	4	PC
71	GEAR, IDLER ASSY	3004682	4	PC
72	CONNECTION, WATER INLET	3001712	4	PC
73	HOSE, TURBO OIL SUPPLY	3176379	8	PC

74	UNION, TURBO OIL SUPPLY HOSE	3176592	8	PC
75	MANIFOLD, FUEL LH	3019581	8	PC
76	MANIFOLD, FUEL RH	3019582	8	PC
77	CONNECTION, FUEL BLOCK	3176708	8	PC
78	CONNECTION, FUEL BLOCK	3176709	8	PC
79	TUBE, FUEL SUPPLY	3176710	16	PC
80	INDICATOR, RESTRICTION	178957	8	PC
81	PULLEY, CRANKSHAFT	4060694	2	PC
82	ADAPTER, CRANKSHAFT	3031736	2	PC
83	SPACER, CRANKSHAFT	3037239	2	PC
84	DAMPER, VIBRATION	3418998	4	PC
85	TRANSDUCER, TEMPERATURE	3015238	8	PC
86	TRANSDUCER, PRESSURE	3165752	4	PC
87	HARNESS, WIRING	3165775	4	PC
88	SWITCH, PRESSURE	3056344	20	PC
89	SWITCH, TEMPERATURE	3056353	20	PC
90	PICK UP, MAGNETIC	3034572	20	PC
91	PULLEY, ALTERNATOR	3014711	4	PC
92	ALTERNATOR	3016627	4	PC
93	FAN IDLER ASSEMBLY	3016344	4	PC
94	FAN HUB	4060703	4	PC
95	HEAD, FUEL FILTER	3032630	4	PC
96	HOSE, FLEXIBLE	3175810	4	PÇ
97	COVER, REAR	207547	4	PC
98	FUEL PUMP TLN	3165400	4	PC
99	CONTROL, GOVERNOR	3044196	4	PC
100	HARNESS, WIRING	3063683	4	PC
101	SUPPORT, FUEL PUMP	3022725	4	PC
102	CONNECTION FUEL BLOCK	3177629	4	PC
103	TUBE, FUEL SUPPLY	3178525	4	PC
104	VALVE, SHUTOFF	3017993	4	PC

105 **HEAT EXCHANGER** 3165765 PC 4 TUBE, RADIATOR FILL LOWER 106 3003885 PC TUBE, RADIATOR FILL LOWER 107 3003909 PC 4 TUBE, WATER INLET 108 3165707 4 PC 109 TUBE, WATER OUTLET PC 4060677 8 110 FAN. ENGINE PC 3165799 111 CONNECTION, AIR INTAKE 3013114 8 PC MANIFOLD, AIR INTAKE 112 3019030 PC 113 MANIFOLD, AIR INTAKE 3019031 8 PC 114 PLUNGER, PRS REGULATOR PC 3021618 115 HEAD, LUB OIL FILTER 3178474 PC 116 HEAD, LUB OIL FILTER PC 3176127 117 ROD, ENGINE CONNECTING PC 3419120 24 118 HEAD, CYLINDER 3021692 18 PC 119 SCREW, CROSSHEAD ADJUST 3032697 96 PC 120 NUT, HEAVY HEAXAGON 203131 96 PC 121 CROSSHEAD, VALVE 3048620 96 PC 122 HOUSING, ROCKER LEVER 3629537 PC 123 HOUSING, ROCKER LEVER 3202197 PC 124 HOUSING, ROCKER LEVER 3202193 40 PC 125 CAMSHAFT R.B. PC AR12404 2 126 CAMSHAFT L.B. AR12405 PC 127 INJECTOR 3052255 48 PC 128 TURBOCHARGER 3594040 PC 8 129 PULLEY, ACCESSORY DRIVE PC 3015546 2 130 MOTOR, STARTING 3010125 PC 8 HEAD, CORROSION RESISTOR 131 3175452 PC 8 132 CONNECTION, WATER INLET PC 207538 4 133 TUBE, WTR TRANSFER LB 3005118 PC 4 134 TUBE, WATER BYPASS 3028483 4 PC 135 TUBE, WATER TRANSFER 3040881 PC 4

136	TUBE, WATER TRANSFER	AR12428	40	PC
137	THERMOSTAT	3076489	8	PC
138	HOUSING, THERMOSTAT	AR11501	4	PC
139	MANIFOLD, EXHAUST	3028235	8	PC
140	MANIFOLD, EXHAUST	3028237	8	PC
141	MANIFOLD, EXHAUST	3630261	8	PC
142	ASSY, MUFFLER	3418930	2	PC
143	GASKET, TURBOCHARGER	106322	8	PC
144	CONNECTION, EXHAUST OUTLET	203555	8	PC
145	CONNECTION, TURBO	3026447	8	PC
146	RADIATOR ASSEMBLY	N/A	2	ASSY
147	SWITCH, MAGNETIC	3050692	20	PC

#### PACKAGE V: 600KW CUMMINS, MODEL: QSK23-G3, ENGINE NO. 85000992

ITEM	DESCRIPTION	PART NO.	Q	TY
1	GASKET SET, UPPER ENGINE	4089360	8	PC
2	SEAL, VALVE STEM	4007185	192	PC
3	VALVE, INTAKE	4007179	24	PC
4	VALVE, EXHAUST	4007180	24	PC
5	WEARPLATE, VALVE SPRING	4007182	48	PC
6	RETAINER, VALVE SPRING	4007183	48	PC
7	INSERT, VALVE EXHAUST	4006184	24	PC
8	INSERT, VALVE INTAKE	4095988	24	PC
9	ROD, PUSH	4095506	24	PC
10	ROD, PUSH	4095511	12	PC
11	GUIDE, VALVE CROSSHEAD	4006186	24	PC
12	GUIDE, VALVE STEM	4096488	48	PC
13	BEARING SET, CONNECTING ROD	4095985	18	PC
14	RING SET, PISTON	4025382	18	PC
15	GASKET SET, LOWER ENGINE	4089361	3	PC
16	GASKET, AFT HOUSING	4095448	3	PC
17	GASKET, CONNECTION	4095450	3	PC

18	BUSHING	4095457	21	PC
19	GASKET, PLATE COVER	4095690	3	PC
20	SEAL, FRONT COVER	4096669	3	PC
21	SEAL, DUST	4096670	3	PC
22	BEARING SET, MAIN	4095973	21	PC
23	BEARING SET, THRUST	4095983	3	PC
24	KIT, CYLINDER LINER	4089364	18	PC
25	SEAL, OIL	4095640	3	PC
26	SEAL, OIL	4095800	3	PC
27	KIT, ENGINE PISTON	4089357	18	PC
28	COVER, AFTERCOOLER	4095447	2	PC
29	ALTERNATOR	4095421	2	PÇ
30	DAMPER, VIBRATION	4095438	2	PC
31	NOZZLE, PISTON COOLING	4095460	12	PC
32	CAMFOLLOWER, ASSY (TLA)	4095567	12	PC
33	COOLER, OIL	4096086	4	PC
34	THERMOSTAT	4095524	2	PC
35	SEAL, THERMOSTAT	4095526	2	PC
36	SEAL, ORING	4095541	8	PC
37	SEAL, ORING	4095542	4	PC
38	SEAL, ORING	4095898	4	PC
39	CORE, COOLER	4096005	2	PC
40	TUBE, WATER TRANSFER	4095958	2	PC
41	PULLEY, FAN	4096002	2	PC
42	TENSIONER, BELT	4096342	2	PC
43	HUB, FAN	4096000	2	PC
44	DRIVE, FUEL PUMP	4096329	2	PC
45	HEAD, FUEL FILTER	4096666	2	PC
46	HEAD, LUBE OIL FILTER	4096180	4	PC
47	TUBE, FUEL TRANSFER	4095637	2	PC
48	TUBE, FUEL SUPPLY	4095609	2	PC

49	HEAD, CYLINDER	4096555	8	PC
50	VALVE SPRING	3639621	48	PC
51	GEAR, IDLER	4096764	2	PC
52	SCREW, TWELVE POINT HEAD	4006200	84	PC
53	SCREW, TWELVE POINT CAP	4006201	24	PC
54	CROSSHEAD, VALVE	4095441	24	PC
55	LEVER, ROCKER EXHAUST	4095967	12	PC
56	LEVER, ROCKER INTAKE	4095968	12	PC
57	INJECTOR LEVER, ROCKER	4096490	12	PC
58	SENSOR, PRESSURE	2872254	10	PC
59	SENSOR, PRESSURE	3408587	20	PC
60	ACTUATOR, ETR FUEL CONTROL	3347905	2	PC
61	ACTUATOR, ETR FUEL CONTROL	3347907	2	PC
62	SENSOR, PRESSURE	3408583	10	PC
63	SENSOR, PRESSURE	3408585	10	PC
64	SENSOR, TEMPERATURE	4954905	20	PC
65	SENSOR, TEMPERATURE	4088832	10	PC
66	SENSOR, PRESSURE	4902720	10	PC
67	MOTOR, STARTING	4096443	2	PC
68	HARNESS, WIRING	4096434	2	PC
69	ROD, CONNECTING	4096475	12	PC
70	PUMP, FUEL	4087997	2	PÇ
71	SENSOR, PRESSURE	3408577	2	PC
72	SUPPORT, FUEL PUMP	4095606	2	PC
73	PUMP, LUBRICATING OIL	4095431	2	PC
74	WATER PUMP	4096429	2	PC
75	RESISTOR HEAD, CORROSION	4095766	2	PC
76	CRANKSHAFT PULLEY	4095499	2	PC
77	CAMSHAFT	4095508	1	PC
78	INJECTOR	4088431	10	PC
79	KIT, TURBOCHARGER	4025150	3	PC
	7/ 7/8/200			

80	MANIFOLD, EXHAUST	4095451	4	PC
81	MANIFOLD, EXHAUST	4095734	2	PC
82	CONNECTION, WATER TRANSFER	4095591	2	PC
83	RADIATOR	N/A	1	ASSY

#### TS-3.0 DELIVERY PERIOD AND LOCATION

The delivery period shall be **ONE HUNDRED TWENTY (120) CALENDAR DAYS** reckoned from receipt of Notice to Proceed.

The spare parts shall be delivered to <u>National Power Corporation</u>, <u>MQNLOD</u> <u>Office</u>, <u>Newtown Rd</u>, <u>Minuyan</u>, <u>San Jose Del Monte</u>, <u>Bulacan</u>.

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

- 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).
    - a.2.2 <u>Authorized Manufacturer/ Integrator/ Assembler of OEM Parts</u> with corresponding Authorization Letter from the OEM;
    - a.2.3 <u>Licensee</u> of the OEM with corresponding License issued by the OEM:
    - a.2.4 Distributor/Dealer. Certificate of Authorized а Distributorship/Dealership from the Authorized OEM or 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) yearafter acceptance by NPC.

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

PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005,

51-MQN24-004, S1-MQN24-005, S1-MQN24-007

#### **SECTION VI**

# TECHNICAL SPECIFICATIONS

(PART II - TECHNICAL DATA SHEETS)

### Section VI - Technical Specifications

### Part II - Technical Data Sheets

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SECTION	DESCRIPTION	PAGE
1.0	SPARE PARTS DATA	TDS-1

#### PART II - TECHNICAL DATA SHEETS

## SUPPLY AND DELIVERY OF CONSOLIDATEDPMS AND SECURITY SPARE PARTS FOR CUMMINS GENERATING SETS OF MONLOD.

- The Bidder shall complete this technical data sheet and submit the filled-up form with the technical proposal.
   The Bidder shall use continuation sheets asnecessary 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.
- 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**

Engine Nos. <u>87205475 & 78507376</u> Engine Serial No. <u>36080001&201805049</u>

Model No. 6BTAA5.9-G2 & G12

Make: CUMMINS

ITEM	DESCRIPTION	NPC REQUI	SUPPLIER'S DATA		
	<b>5200111111011</b>	PART NO.	QTY	PART NO.	QTY
1	SET, UPPER ENGINE GASKET	4089649	7 PC		
2	SEAL, RECTANGULAR RING	C3909356	42 PC		<del>                                     </del>
3	COLLET, VALVE	C3900250	168 PC	<del></del>	<del>                                     </del>
4	VALVE, EXHAUST	C4994143	42 PC	<u> </u>	
5	VALVE, INTAKE	C4995554	42 PC		-
6	RETAINER, VALVE SPRING	C3957913	84 PC	·	<u> </u>
7	GASKET, EXHAUST CONNECTION	C4928804	7 PC	· <u> </u>	:
8	GASKET, EXHAUST CONNECTION	C4928805	14 PC		
9	TAPPET VALVE	C3931623	60 PC		
10	GASKET, OIL PAN	C3959052	5 PC		
11	RING, COMPRESSION PISTON	C3904531	30 PC		
12	RING, COMPRESSION PISTON	C3918315	30 PC		
13	RING, OIL PISTON	C3932520	30 PC		
14	BEARING, CONNECTING ROD	C3969562	30 PC	•	

15	BEARING, CONNECTING ROD	C4893693	30	PC		1	
16	BEARING, MAIN	C3978818	30	PC			П
17	BEARING MAIN	C3978820	35	PC			Н
18	BEARING, THRUST	C3978822	5	PC			H
19	BUSHING	C3901306	5	PC			H
20	LINER, CYLINDER	C3904166	30	PC			H
21	RING, RETAINING	C3920691	60	PC	_		П
22	PISTON, ENGINE	C3926631	30	PC			П
23	PIN, PISTON	C3934047	30	PC			Ħ
24	GASKET, GEAR HOUSING	C3938156	5	PC			_
25	GASKET, REAR COVER	C3938159	5	PC	<u>-</u>		П
26	SEAL, RECTANGULAR RING	C3912473	5	PC			П
27	SEAL, OIL	C3968563	5	PC			Ħ
28	SEAL, OIL	C4982415	5	PC			П
29	SEAL, OIL	C4991305	5	PC	. ==		П
30	GASKET, GEAR COVER	D3918673	5	PC			П
31	GASKET, FILTER HEAD	C3942915	5	PC			Ħ
32	GASKET, OIL COOLER CORE	C5266445	5	PC		····	Ħ
33	SEAL, RECTANGULAR RING	C3906696	5	PC	· <del>-</del> ·		Ħ
34	PUSH ROD	C3284377	60	PC	_		$\prod$
35	SUPPORT, ROCKER LEVER	C3934920	30	PC			Ħ
36	SEAL, RECTANGULAR RING	C3906697	5	PC	<u>-</u>		$\parallel$
37	SEAL, RECTANGULAR RING	C3906698	5	PC			Ħ
38	SPRING, VALVE	C3916671	30	PC			Ħ
39	SPRING, VALVE	C3926700	30	PC			$\dagger$
40	FLANGE, CRANKSHAFT	C5265057	4	PC			$\dagger$
41	CONNECTION, SPACER	C5266557	4	PC			$\parallel$
42	CAP, MAIN BEARING	C3903492	14	PC			$\parallel$
43	GEAR, CRANKSHAFT	C3929027	2	PC	_		$\parallel$
44	CRANKSHAFT, ENGINE	C3929037	2	ASSY			$\parallel$
45	NOZZLE, PISTON COOLING	C3937214	12	PC			$\parallel$
46	HOUSING, GEAR	C5267783	4	PC	-		$\parallel$
47	DAMPER, VIBRATION	C3973659	4	PC			bracket

48	THERMOSTAT	C4930315	20	PC		
49	ALTERNATOR	C3972529	4	PC		
50	SENSOR, SPEED	C3971994	40	PÇ		
51	PULLEY, FAN	C3914458	4	PC		1 1
52	SUPPORT, FAN	C4932907	4	PC	-	<del>                                     </del>
53	HEAD, FUEL FILTER	C3930969	4	PC		1
54	HEAD, FUEL FILTER	C4989118	4	PC		
55	TUBE, FUEL SUPPLY	C5273909	4	PC		<del>  </del>
56	TUBE, FUEL SUPPLY	C3977536	4	PC		1
57	FAN, ENGINE	C4931807	2	PC		
58	ADAPTER, FAN	C4931791	2	PC		
59	GEAR, FUEL PUMP	C3960730	4	PC		
60	PUMP, FUEL INJECTION	C5318046	2	PC	_	1 1
61	PUMP, FUEL INJECTION	C5267707	2	PC	<u>.</u>	
62	PUMP, FUEL TRANSFER	C5334912	2	PC		
63	PUMP, FUEL TRANSFER	C4937767	2	PC		
64	TUBE, FUEL SUPPLY	C4940671	2	PĊ		1
65	MANIFOLD, FUEL	C4931027	4	PC		
66	TUBE, FUEL DRAIN	C5301453	4	PC		
67	PIPE, AIR TRANSFER	C4935790	4	PC		
68	HEAD, LUBE OIL FILTER	C4934217	4	PC	****	
69	CORE, COOLER	C3957544	4	PC	<u> </u>	-
70	PUMP, LUBRICATING OIL	C4939587	4	PC		
71	CONNECTION, OIL SUCTION	C3921992	4	PC		
72	PAN, ÖİL	C3915703	1	PC		1
73	SUPPORT, CAMSHAFT THRUST	C3927155	4	PC		
74	GEAR, CAMSHAFT	C3929028	4	PC		
75	CAMSHAFT	C3970366	2	PC		<del> </del>
76	INJECTOR	C4943468	24	PC		
77	INJECTOR	C4948366	24	PC		
78	ROD, ENGINE CONNECTING	C4943979	24	PC	•	1
79	TURBOCHARGER	C3767251	4	PC		
79	TURBOCHARGER	C3767251	4	PC		1

80	TURBOCHARGER	C3788390	4	PC		
81	HEAD, CYLINDER	C5254535ZZ	4	PC		Ť
82	HEAD, CYLINDER	C4981002	4	PC		$\dagger$
83	TUBE, INJECTOR FUEL SUPPLY	C3960464	4	PC		1
84	TUBE, INJECTOR FUEL SUPPLY	C3960465	4	PC		$\uparrow$
85	TUBE, INJECTOR FUEL SUPPLY	C4929779	4	PC		Ī
86	TUBE, INJECTOR FUEL SUPPLY	C4931029	4	PC		
87	RELAY	C4988354	4	PC		T
88	SENSOR, TEMPERATURE	C3967250	10	PC		Ť
89	MOTOR, STARTING	C4935789	4	PC		<del>-i</del>
90	RELAY	C5266538	4	PC		÷
91	MANIFOLD, EXHAUST	C3970066	4	PC		T
92	HOUSING, THERMOSTAT	C5257270	4	PC		+
93	CONNECTION, WATER INLET	C3973197	4	PC		$\dagger$
94	PUMP, WATER	C4935793	4	PC		+
95	TENSIONER, BELT	C3937553	4	PC	-	Ť
96	RADIATOR	FOR 80KW 6BTAA5.9-G2	2	ASSY	<del></del>	$\dagger$
97	RADIATOR	FOR 100KW 6BTAA5.9-G12	2	ASSY		Ť
98	RADIATOR	FOR 120KW 6BTAA5.9-G2	2	ASSY		†
99	CONTROL, GOVERNOR	FORTRUST C2002	4	PC		-i

#### **PACKAGE II**

Engine No. <u>78510306 & 78583531</u>

Engine Serial No.----

Model No. <u>6LTAA8.9-G3</u> & G2

Make: <u>CUMMINS</u>

ITEM	DESCRIPTION	NPC REQUI	SUPPLIER'S DATA			
1 1 16191		PART NO.	Q	ŀΤΥ	PART NO.	QTY
1	GASKET KIT, TOP OVERHAULING	4089758	8	PC		
2	COLLET, VALVE	3900250	384	PC		
3	VALVE, INSERT INTAKE	3940152	96	PC		
4	INSERT, VALVE EXHAUST	3968074	96	PC		

6         VALVE, INTAKE         D3942588         96         PC           7         VALVE EXHAUST         D3942589         96         PC           8         VALVE STEM GUIDE         4934063         120         PC           9         ROD, PUSH         C3964715         60         PC           10         VALVE TAPPET         C3965968         60         PC           11         GASKET, OIL COOLER CORE         C3918174         5         PC           12         GASKET, LUB OIL CLR         C3929011         5         PC           13         GASKET, CONNECTION AIR         C3917892         5         PC           14         RING, OIL PISTON         C3921919         30         PC           15         RING, COMPRESSION         C3948412         30         PC           16         RING, COMPRESSION         C3946073         30         PC           17         BEARING, CONNECTING ROD         C3950661         30         PC           18         BEARING, CONNECTING ROD         C3966244         30         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153	5	RETAINER, VALVE SPRING	C3944452	192	PC	<u> </u>	<u>_</u>
8         VALVE STEM GUIDE         4934063         120         PC           9         ROD, PUSH         C3964715         60         PC           10         VALVE TAPPET         C3965966         60         PC           11         GASKET, OIL COOLER CORE         C3918174         5         PC           12         CASKET, LUB OIL CLR         C3929011         5         PC           COVER         C3929011         5         PC           13         GASKET, CONNECTION AIR         C3917892         5         PC           14         RING, OIL PISTON         C3921919         30         PC           15         RING, COMPRESSION         C3948412         30         PC           16         RING, COMPRESSION         C3964073         30         PC           17         BEARING, CONNECTING ROD         C3966244         30         PC           18         BEARING, CONNECTING ROD         C3966244         30         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153         18         PC           22         BEARING, CRAKSHAFT         C3994163         3         <	6		D3942588	96	PC		
8         VALVE STEM GUIDE         4934063         120         PC           9         ROD, PUSH         C3964715         60         PC           10         VALVE TAPPET         C3965966         60         PC           11         GASKET, OLI COOLER CORE         C3918174         5         PC           12         GASKET, LUB OIL CLR         C3929011         5         PC           COVER         C3929011         5         PC           13         GASKET, CONNECTION AIR         C3917892         5         PC           14         RING, OIL PISTON         C3921919         30         PC           15         RING, COMPRESSION         C3948412         30         PC           16         RING, COMPRESSION         C3964073         30         PC           17         BEARING, CONNECTING ROD         C3964073         30         PC           18         BEARING, CONNECTING ROD         C3966244         30         PC           19         RING, RETAINING         C3920692         60         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153         18 <td< td=""><td>7</td><td>VALVE EXHAUST</td><td>D3942589</td><td>96</td><td>PC</td><td><u> </u></td><td><del>                                     </del></td></td<>	7	VALVE EXHAUST	D3942589	96	PC	<u> </u>	<del>                                     </del>
9 ROD, PUSH C3964715 60 PC  10 VALVE TAPPET C3965966 60 PC  11 GASKET, OIL COOLER CORE C3918174 5 PC  12 GASKET, LUB OIL CLR C3929011 5 PC  COVER  13 GASKET, CONNECTION AIR C3917892 5 PC  14 RING, OIL PISTON C3921919 30 PC  15 RING, COMPRESSION C3948412 30 PC  PISTON  16 RING, COMPRESSION C3964073 30 PC  PISTON  17 BEARING, CONNECTING ROD C3950661 30 PC  18 BEARING, CONNECTING ROD C3950661 30 PC  19 RING, RETAINING C3920692 60 PC  20 GASKET, OIL PAN C3973509 5 PC  21 BEARING, MAIN C3944153 18 PC  22 BEARING, MAIN C3944158 21 PC  23 BEARING, CRAKSHAFT C3994163 3 PC  THRUST C3948095 18 PC  24 LINER, CYLINDER C3948095 18 PC  25 SEAL, RECTANGULAR C3907177 18 PC  26 SEAL, RECTANGULAR C3907177 18 PC  27 GASKET, REAR COVER C3939353 3 PC  28 SEAL, OIL C3942535 3 PC  30 GASKET, CONNECTION C3415658 3 PC  31 PIN, PISTON C3950549 18 PC  32 PISTON, ENGINE C5302254 18 PC	8						
10         VALVE TAPPET         C3965966         60         PC           11         GASKET, OIL COOLER CORE         C3918174         5         PC           12         GASKET, LUB OIL CLR COVER         C3929011         5         PC           13         GASKET, CONNECTION AIR         C3917892         5         PC           14         RING, OIL PISTON         C3921919         30         PC           15         RING, COMPRESSION PISTON         C3948412         30         PC           16         RING, COMPRESSION PISTON         C3964073         30         PC           17         BEARING, CONNECTING ROD         C3950661         30         PC           18         BEARING, CONNECTING ROD         C3966244         30         PC           19         RING, RETAINING         C3920692         60         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153         18         PC           22         BEARING, CRAKSHAFT THRUST         C3994163         3         PC           24         LINER, CYLINDER         C3948095         18         PC           25         SEAL, RECTA							
11         GASKET, OIL COOLER CORE         C3918174         5         PC           12         GASKET, LUB OIL CLR COVER         C3929011         5         PC           13         GASKET, CONNECTION AIR         C3917892         5         PC           14         RING, OIL PISTON         C3921919         30         PC           15         RING, COMPRESSION PISTON         C3964073         30         PC           16         RING, COMPRESSION PISTON         C3950661         30         PC           17         BEARING, CONNECTING ROD         C3950661         30         PC           18         BEARING, CONNECTING ROD         C3920692         60         PC           19         RING, RETAINING         C3920692         60         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153         18         PC           22         BEARING, CRAKSHAFT         C3994163         3         PC           23         BEARING, CRAKSHAFT         C39948095         18         PC           25         SEAL, RECTANGULAR         C3907177         18         PC           26         SEAL, REC		<u> </u>					!
12 GASKET, LUB OIL CLR COVER 13 GASKET, CONNECTION AIR 13 GASKET, CONNECTION AIR 14 RING, OIL PISTON 15 RING, COMPRESSION PISTON 16 RING, COMPRESSION PISTON 17 BEARING, CONNECTING ROD 18 BEARING, CONNECTING ROD 19 RING, RETAINING 20 GASKET, OIL PAN 21 BEARING, MAIN 22 BEARING, MAIN 23 BEARING, CRAKSHAFT THRUST 24 LINER, CYLINDER 25 SEAL, RECTANGULAR RING 26 SEAL, RECTANGULAR RING 27 GASKET, CONNECTION 28 SEAL, OIL 29 SEAL, OIL 20 GASKET, REAR COVER 21 GASKET, CONNECTING 22 GASKET, REAR COVER 23 GASKET, CONNECTING 24 CONNECTING 25 SEAL, OIL 26 SEAL, OIL 27 GASKET, REAR COVER 28 SEAL, OIL 29 SEAL, OIL 29 SEAL, OIL 20 GASKET, CONNECTION 21 CONNECTION 22 CONNECTION 23 CONNECTION 24 CONNECTION 25 CONNECTION 26 CONNECTION 27 GASKET, REAR COVER 28 SEAL, OIL 29 SEAL, OIL 29 SEAL, OIL 20 GASKET, CONNECTION 20 CONNECTION 20 CONNECTION 21 CONNECTION 21 CONNECTION 22 CONNECTION 23 CONNECTION 24 CONNECTION 24 CONNECTION 25 CONNECTION 26 CONNECTION 27 CONNECTION 28 CONNECTION 28 CONNECTION 29 CONNECTION 29 CONNECTION 20 CO						<u> </u>	<u> </u>
COVER		·	-				
14         RING, OIL PISTON         C3921919         30         PC           15         RING, COMPRESSION PISTON         C3948412         30         PC           16         RING, COMPRESSION PISTON         C3964073         30         PC           17         BEARING, CONNECTING ROD         C3950661         30         PC           18         BEARING, CONNECTING ROD         C3966244         30         PC           19         RING, RETAINING         C3920692         60         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153         18         PC           22         BEARING, CRAKSHAFT         C3994163         3         PC           23         BEARING, CRAKSHAFT         C3994163         3         PC           24         LINER, CYLINDER         C3948095         18         PC           25         SEAL, RECTANGULAR         C3907177         18         PC           26         SEAL, RECTANGULAR RING         C3912473         3         PC           28         SEAL, OIL         C3942535         3         PC           29         SEAL, OIL         C396856	12		C3929011	5	PC		
15         RING, COMPRESSION PISTON         C3948412         30         PC           16         RING, COMPRESSION PISTON         C3964073         30         PC           17         BEARING, CONNECTING ROD         C3950661         30         PC           18         BEARING, CONNECTING ROD         C3966244         30         PC           19         RING, RETAINING         C3920692         60         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153         18         PC           22         BEARING, CRAKSHAFT         C3994163         3         PC           23         BEARING, CRAKSHAFT         C3994163         3         PC           24         LINER, CYLINDER         C3948095         18         PC           25         SEAL, RECTANGULAR         C3907177         18         PC           26         SEAL, RECTANGULAR RING         C3912473         3         PC           27         GASKET, REAR COVER         C39399353         3         PC           29         SEAL, OIL         C3968562         3         PC           30         GASKET, CONNECTION	13	GASKET, CONNECTION AIR	C3917892	5	PC		
PISTÓN   16	14	RING, OIL PISTON	C3921919	30	PC		
PISTON         17         BEARING, CONNECTING ROD         C3950661         30         PC           18         BEARING, CONNECTING ROD         C3966244         30         PC           19         RING, RETAINING         C3920692         60         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153         18         PC           22         BEARING, MAIN         C3944158         21         PC           23         BEARING, CRAKSHAFT         C3994163         3         PC           24         LINER, CYLINDER         C3948095         18         PC           25         SEAL, RECTANGULAR         C3907177         18         PC           26         SEAL, RECTANGULAR RING         C3912473         3         PC           27         GASKET, REAR COVER         C3939353         3         PC           28         SEAL, OIL         C3942535         3         PC           29         SEAL, OIL         C3968562         3         PC           30         GASKET, CONNECTION         C3415658         3         PC           31         PIN, PISTON         C395054	15		C3948412	30	PC		
18         BEARING, CONNECTING ROD         C3966244         30         PC           19         RING, RETAINING         C3920692         60         PC           20         GASKET, OIL PAN         C3973509         5         PC           21         BEARING, MAIN         C3944153         18         PC           22         BEARING, MAIN         C3944158         21         PC           23         BEARING, CRAKSHAFT         C3994163         3         PC           24         LINER, CYLINDER         C3948095         18         PC           25         SEAL, RECTANGULAR         C3907177         18         PC           26         SEAL, RECTANGULAR RING         C3912473         3         PC           27         GASKET, REAR COVER         C3939353         3         PC           28         SEAL, OIL         C3942535         3         PC           29         SEAL, OIL         C3968562         3         PC           30         GASKET, CONNECTION         C3415658         3         PC           31         PIN, PISTON         C3950549         18         PC           32         PISTON, ENGINE         C5302254         18	16	PISTON	C3964073	30	PC		
19       RING, RETAINING       C3920692       60       PC         20       GASKET, OIL PAN       C3973509       5       PC         21       BEARING, MAIN       C3944153       18       PC         22       BEARING, MAIN       C3944158       21       PC         23       BEARING, CRAKSHAFT       C3994163       3       PC         24       LINER, CYLINDER       C3948095       18       PC         25       SEAL, RECTANGULAR       C3907177       18       PC         26       SEAL, RECTANGULAR RING       C3912473       3       PC         27       GASKET, REAR COVER       C3939353       3       PC         28       SEAL, OIL       C3942535       3       PC         29       SEAL, OIL       C3968562       3       PC         30       GASKET, CONNECTION       C3415658       3       PC         31       PIN, PISTON       C3950549       18       PC         32       PISTON, ENGINE       C5302254       18       PC	17	BEARING, CONNECTING ROD	C3950661	30	PC		
20       GASKET, OIL PAN       C3973509       5       PC         21       BEARING, MAIN       C3944153       18       PC         22       BEARING, MAIN       C3944158       21       PC         23       BEARING, CRAKSHAFT THRUST       C3994163       3       PC         24       LINER, CYLINDER       C3948095       18       PC         25       SEAL, RECTANGULAR       C3907177       18       PC         26       SEAL, RECTANGULAR RING       C3912473       3       PC         27       GASKET, REAR COVER       C3939353       3       PC         28       SEAL, OIL       C3942535       3       PC         29       SEAL, OIL       C3968562       3       PC         30       GASKET, CONNECTION       C3415658       3       PC         31       PIN, PISTON       C3950549       18       PC         32       PISTON, ENGINE       C5302254       18       PC	18	BEARING, CONNECTING ROD	C3966244	30	PC		-
21         BEARING, MAIN         C3944153         18         PC           22         BEARING, MAIN         C3944158         21         PC           23         BEARING, CRAKSHAFT THRUST         C3994163         3         PC           24         LINER, CYLINDER         C3948095         18         PC           25         SEAL, RECTANGULAR         C3907177         18         PC           26         SEAL, RECTANGULAR RING         C3912473         3         PC           27         GASKET, REAR COVER         C3939353         3         PC           28         SEAL, OIL         C3942535         3         PC           29         SEAL, OIL         C3968562         3         PC           30         GASKET, CONNECTION         C3415658         3         PC           31         PIN, PISTON         C3950549         18         PC           32         PISTON, ENGINE         C5302254         18         PC	19	RING, RETAINING	C3920692	60	PC		
22         BEARING, MAIN         C3944158         21         PC           23         BEARING, CRAKSHAFT THRUST         C3994163         3         PC           24         LINER, CYLINDER         C3948095         18         PC           25         SEAL, RECTANGULAR         C3907177         18         PC           26         SEAL, RECTANGULAR RING         C3912473         3         PC           27         GASKET, REAR COVER         C3939353         3         PC           28         SEAL, OIL         C3942535         3         PC           29         SEAL, OIL         C3968562         3         PC           30         GASKET, CONNECTION         C3415658         3         PC           31         PIN, PISTON         C3950549         18         PC           32         PISTON, ENGINE         C5302254         18         PC	20	GASKET, OIL PAN	C3973509	5	PC		
23       BEARING, CRAKSHAFT THRUST       C3994163       3       PC         24       LINER, CYLINDER       C3948095       18       PC         25       SEAL, RECTANGULAR       C3907177       18       PC         26       SEAL, RECTANGULAR RING       C3912473       3       PC         27       GASKET, REAR COVER       C3939353       3       PC         28       SEAL, OIL       C3942535       3       PC         29       SEAL, OIL       C3968562       3       PC         30       GASKET, CONNECTION       C3415658       3       PC         31       PIN, PISTON       C3950549       18       PC         32       PISTON, ENGINE       C5302254       18       PC	21	BEARING, MAIN	C3944153	18	PC		<del> </del>
THRUST       C3948095       18       PC         24       LINER, CYLINDER       C3948095       18       PC         25       SEAL, RECTANGULAR       C3907177       18       PC         26       SEAL, RECTANGULAR RING       C3912473       3       PC         27       GASKET, REAR COVER       C3939353       3       PC         28       SEAL, OIL       C3942535       3       PC         29       SEAL, OIL       C3968562       3       PC         30       GASKET, CONNECTION       C3415658       3       PC         31       PIN, PISTON       C3950549       18       PC         32       PISTON, ENGINE       C5302254       18       PC	22	BEARING, MAIN	C3944158	21	PC		<del>                                     </del>
25         SEAL, RECTANGULAR         C3907177         18         PC           26         SEAL, RECTANGULAR RING         C3912473         3         PC           27         GASKET, REAR COVER         C3939353         3         PC           28         SEAL, OIL         C3942535         3         PC           29         SEAL, OIL         C3968562         3         PC           30         GASKET, CONNECTION         C3415658         3         PC           31         PIN, PISTON         C3950549         18         PC           32         PISTON, ENGINE         C5302254         18         PC	23		C3994163	3	PC		
26       SEAL, RECTANGULAR RING       C3912473       3       PC         27       GASKET, REAR COVER       C3939353       3       PC         28       SEAL, OIL       C3942535       3       PC         29       SEAL, OIL       C3968562       3       PC         30       GASKET, CONNECTION       C3415658       3       PC         31       PIN, PISTON       C3950549       18       PC         32       PISTON, ENGINE       C5302254       18       PC	24	LINER, CYLINDER	C3948095	18	P¢		
27       GASKET, REAR COVER       C3939353       3       PC         28       SEAL, OIL       C3942535       3       PC         29       SEAL, OIL       C3968562       3       PC         30       GASKET, CONNECTION       C3415658       3       PC         31       PIN, PISTON       C3950549       18       PC         32       PISTON, ENGINE       C5302254       18       PC	25	SEAL, RECTANGULAR	C3907177	18	PC		
28       SEAL, OIL       C3942535       3       PC         29       SEAL, OIL       C3968562       3       PC         30       GASKET, CONNECTION       C3415658       3       PC         31       PIN, PISTON       C3950549       18       PC         32       PISTON, ENGINE       C5302254       18       PC	26	SEAL, RECTANGULAR RING	C3912473	3	PC		
29       SEAL, OIL       C3968562       3       PC         30       GASKET, CONNECTION       C3415658       3       PC         31       PIN, PISTON       C3950549       18       PC         32       PISTON, ENGINE       C5302254       18       PC	27	GASKET, REAR COVER	C3939353	3	PÇ		
30         GASKET, CONNECTION         C3415658         3         PC           31         PIN, PISTON         C3950549         18         PC           32         PISTON, ENGINE         C5302254         18         PC	28	SEAL, OIL	C3942535	3	PC		
31         PIN, PISTON         C3950549         18         PC           32         PISTON, ENGINE         C5302254         18         PC	29	SEAL, OIL	C3968562	3	PC		
32 PISTON, ENGINE C5302254 18 PC	30	GASKET, CONNECTION	C3415658	3	PC		1
	31	PIN, PISTON	C3950549	18	PC		1
33 BUSHING, CAMSHAFT C3945329 21 PC	32	PISTON, ENGINE	C5302254	18	PC		1
	33	BUSHING, CAMSHAFT	C3945329	21	PC		-
34 SEAL, O RING C3926048 3 PC	34	SEAL, O RING	C3926048	3	PC	<del></del>	<del>                                     </del>
35 SEAL, O RING C3940386 3 PC	35	SEAL, O RING	C3940386	3	PC		1
36 SEAL, O RING C3969698 3 PC	36	SEAL, O RING	C3969698	3	PC		1

37	SEAL, O-RING	C3913994	3	PC	ļ <del></del>	
38	SPRING, VALVE	3944711	72	PC		+
39	GASKET, GEAR HOUSING	C3944293	3	PC		
40	PUMP, WATER	C4934058	4	PC		
41	HOSE, PUMP	C3071049	16	PC		
42	TENSION, BELT	C3976831	4	PC		<u> </u>
43	HOUSING, TIMING PIN	C3978631 C3913995	<u> </u>			
			4	PC		
44	HOUSING, GEAR	C3938086	4	PC		
45	SENSOR, TEMPERATURE	C3979176	20	PC		!
46	SENSOR, OIL PRESSURE	C4931169	20	PC		
47	NOZZLE PISTON COOLING	C3959291	24	PC		
48	TAPPET GUIDE	C4944725	48	PC		
49	MOTOR STÄRTER	C3415537	4	PC		
50	TURBOCHARGER	C4047354	4	PC		1
51	INJECTOR	C3975929	24	PC		
52	CONNECTOR, MALE	3936953	24	PC		<del> </del>
53	CAMSHAFT	C3976620	1	PC		
54	GEAR, CAMSHAFT	C3918777	1	PC		
55	CORE, COOLER	C3966365	4	PC		
56	FAN, ENGINE	C3911326	2	PC		
57	PUMP, FUEL INJECTION	C5258154	1	PC		
58	PUMP, FUEL INJECTION	5336899	2	PC		
59	PUMP, FUEL LIFT	C3415661	3	PC		
60	TUBE, FUEL DRAIN	C3415562	4	PC		<del>                                     </del>
61	TUBE, FUEL DRAIN	C3971125	4	PC		
62	TUBE, FUEL SUPPLY	C3971124	4	PC		
63	TUBE INJECTOR FUEL SUP	C3976434	4	PC		
64	TUBE INJECTOR FUEL SUP	C3976433	4	PC	-	
65	MANIFOLD, EXHAUST	C3937477	4	PC	<del>                                     </del>	
66	MANIFOLD, EXHAUST	C3943841	4	PC		
67	PIPE, EXHAUST OUTLET	C3910994	4	PC		
68	HEAD, FUEL FILTER	C3971399	4	PC		
69	HEAD, FUEL FILTER	C4934663	4	PC		-
	,				]	1

70	TUBE, FUEL SUPPLY	C3971123	4	PC		Ι
71	HEAD, LUBE OIL FILTER	C4936582	4	PC		
72	SWITCH, MAGNETIC	C3916302	10	PC		
73	THERMOSTAT	C3968559	4	PC		<del> </del> -
74	ALTERNATOR	C3415691	4	PC		
75	VALVE CROSSHEAD	C3943445	48	PC		1
76	ROCKER LEVER ASSY	C3972540	24	PC		
77	SENSOR, SPEED	C3971994	20	PC	<del></del>	
78	SUPPORT, FAN	C3415603	4	PC		
79	PULLEY, FAN	C3926855	4	PC		†
80	DAMPER, VIBRATION	3967014	4	PC		
81	PULLEY, CRANKSHAFT	C3943978	4	PC		
82	PUMP, LUBRICATING OIL	C4941464	4	PC		1
83	CRANKSHAFT, ENGINE	C3976841	1	PC		
84	SUPPORT, CAMSHAFT THRUST	C3944001	1	PC		
85	ASSEMBLY, ROCKER LEVER	C5253887	24	PC		
86	CONNECTING ROD ASSEMBLY	3979744	24	PC		1
87	SCREW, HEX FLANGE HEAD CA	C3960043	104	PC		
88	HEAD, CYLINDER	C4936714	4	PC		
89	CAP, MAIN BEARING	C3970955	28	PC		
90	CONNECTION, AIR INTAKE	C3928519	4	PC		
91	CONNECTION, AIR INTAKE	C3943613	4	PC		
92	HEATER, INTAKE AIR	C4940600	4	PC		
93	PIPE, AIR TRANSFER	C3883977	4	PC		
94	PAN, OIL	C3944258	2	PC		
95	CONNECTION, OIL SUCTION	3964028	2	PC		
96	CLAMP, INJECTOR	C3940639	24	PC		1
97	CONNECTOR, WATER INLET	C3944720	4	PC		
98	CONNECTION, WATER OUTLET	C3944429	4	PC		
99	RADIATOR	N/A	5	ASSY		
100	SPEED CONTROLLER	S6700H	3	PC		

# PACKAGE III

Engine No. <u>41274887</u> Engine Serial No.<u>SO46262</u> Model No. <u>KTA19-G2</u>

Make: CUMMINS

		NPC REQUIREMENTS			SUPPLIER'S DATA		
ITEM	DESCRIPTION	PART NO.	Q	TY	PART NO.	QTY	
1	UPPER ENGINE GASKET SET	3803598	7	PC	1.0.		
2	COLLET, VALVE	205091	96	PC			
3	RETAINER, VALVE SPRING	205094	48	PÇ			
4	INSERT, VALVE EXHAUST	205093	36	PC			
5	INSERT, VALVE INTAKE	3026296	36	PC			
6	VALVE, EXHAUST	3035110	36	PC	-		
7	VALVE, INTAKE	207241	36	PC			
8	SEAL, O RING	3010510	84	PC			
9	SEAL, O RING	193736	84	PC			
10	SEAL, O RING	205216	84	PC			
11	ROD, PUSH	205492	36	PC			
12	PUSH ROD	3017961	18	PC			
13	GUIDE, VALVE SPRING	3001663	72	PC			
14	GUIDE, VALVE CROSS	205169	36	PC			
15	GUIDE, VALVE STEM	3201311	72	PC			
16	TUBE, WATER TRANSFER	207378	3	PC			
17	GASKET, ADAPTER	3202259	3	PC	-	1	
18	GASKET, OIL PAN	3042589	3	PC			
19	GASKET, OIL PAN	3042590	3	PC			
20	RING SET, PISTON	4089500	42	PC			
21	BEARING, CONNECTING ROD	205840	84	PC			
22	BUSHING	3043909	42	PC			
23	LOWER ENGINE GASKET SET	3801007	4	PC			
24	KIT, LINER	3028434	24	PC			
25	BUSHING	3004686	4	PC			
26	BEARING, MAIN SHELL	AR12270	4	PC			
27	SCREW, SLOTTED SET	168306	72	PC			

28	BUSHING	132770	8	PC		<u> </u>
29	BUSHING	205133	4	PC		
30	SEAL, REAR OIL CRANKSHAFT	AR10591	4	PC	-	
31	SEAL, RECTANGULAR RING	3096260	4	PC		
32	SEAL, THERMOSTAT	186780	8	PC		
33	GASKET, LUBE OIL FILTER	3200977	4	PC		
34	PISTON ENGINE KIT	3631244	24	PC		
35	BUSHING	3002834	28	PC		
36	HUB, TIMING	3007111	4	PC		
37	SPRING, VALVE	205208	96	PC		
38	PULLEY, ALTERNATOR	3002323	4	PC		
39	CAP, MAIN BEARING	205021	8	PC		
40	CAP, MAIN BEARING	205022	2	PC		
41	CAP, MAIN BEARING	205023	2	PC		
42	CAP, MAIN BEARING	205075	2	PC		
43	SCREW, TWELVE POINT CAP	3025482	28	PC		
44	NOZZLE, PISTON COOLING	3200936	12	PC		
45	GEAR, IDLER	3004680	2	PC		
46	CRANKSHAFT	3418910	1	PC		
47	LEVER, ROCKER	3065810	24	PC		
48	FOLLOWER, CAMSHAFT	AR10627	24	PC		
49	PUMP, LUBRICATING OIL	3047549	4	PC		
50	COVER, ROCKER ARM HSG	3047710	12	PC		
51	DAMPER, VIBRATION	217322	4	PC		
52	PULLEY, CRANKSHAFT	3003696	2	PC		
53	SWITCH, PRESSURE	3056344	20	PC		
54	SWITCH, TEMPERATURE	3056353	20	PC		
55	ALTERNATOR	3016627	4	PC		
56	SWITCH, MAGNETIC	3050692	10	PC		
57	HUB, FAN	3002233	4	PC		
58	LEVER, IDLER	3033957	4	PC		
59	PULLEY, IDLER	3009639	4	PC		
60	ABSORBER, IDLER ARM	3201022	4	PC	İ	· ·

61	HEAD, FUEL FILTER	3418763	4	PC	
62	HOSE, FLEXIBLE	AS10018	4	PC	
63	HOSE, FLEXIBLE	AS6029SS	6	PC	
64	HOSE, FLEXIBLE	AS6050SS	6	PC	
65	HOSE, FLEXIBLE	AS16025NF	6	PC	
66	HOSE, FLEXIBLE	215195	6	PC	
67	HOSE, FLEXIBLE	AS10018SS	6	PC	
68	PICKUP, MAGNETIC	3034572	10	PC	
69	CONTROL, GOVERNOR	3044195	4	PC	
70	DRIVE, ACCESSORY	3016734	4	PC	
71	PUMP, FUEL	3059651	4	PC	
72	VALVE, SHUTOFF	3018453	4	PC	
73	MANIFOLD, FUEL	AR45224	4	PC	
74	TUBE, FUEL DRAIN	3200406	4	PC	
75	TUBE, FUEL	3200885	4	PC	
76	TUBE, FUEL SUPPLY	3201115	8	PC	 
77	TUBE, FUEL DRAIN	3201736	4	PC	
78	VALVE, CHECK	178079	4	PC	
79	VALVE, CHECK	185505	4	PC	
80	THERMOSTAT HOUSING	3065803	4	PC	
81	THERMOSTAT	201737	8	PC	
82	LUBE OIL FILTER HEAD	3200965	4	PC	
83	ADAPTER, FILTER HEAD	3034578	8	PC	
84	HEAD, LUBE OIL FILTER	3004173	4	PC	
85	PAN, OIL	AR12034	2	PC	
86	CAMSHAFT	3028959	2	PC	
87	CORE, AFTERCOOLER	3001290	4	PC	
88	HEAD, CYLINDER	3021692	18	PC	
89	CYLINDER HEAD MOUNTING	3013962	24	PC	
90	INJECTOR	3016676	24	PC	
91	TURBOCHARGER	3523850	4	PC	
92	HOUSING, ROCKER	3200499	20	PC	
93	HOUSING, ROCKER	3200490	4	PC	

#### SECTION VI - TECHNICAL SPECIFICATIONS

94	MOTOR, STARTING	3021038	4	PC		
95	CONNECTION, AIR CROSSOVER	3016139	4	PC		
96	COOLER, ENGINE CAST	3201155	4	PC		
97	CORE, COOLER	3023079	8	PC		
98	TUBE, WATER BYPASS	3011224	4	PC		
99	CONNECTION, WATER OUTLET	AR45710	4	PC		
100	PUMP, WATER	3011389	4	PC	· <del></del>	1
101	SHAFT, WATER PUMP	3025885	4	PC		
102	CONNECTION, EXHAUST OUTLET	3026237	4	PÇ		
103	FAN, ENGINE	3037710	2	PC		
104	SPACER, FAN	167233	2	PC		
105	SPACER, FAN	3045665	2	PC	<del></del>	
106	MANIFOLD, EXHAUST	205186	8	PC		
107	MANIFOLD, EXHAUST	207176	4	PC		
108	ROD, ENGINE CONNECTING	3418553	24	PC		
109	RADIATOR ASSEMBLY	N/A	2	ASSY		

# **PACKAGE IV**

Engine No. 41235908 Engine Serial No.SO66416 Model No. KTA38-G1

Make: CUMMINS

		NPC REQU	JIREMENT	S	SUPPLIER'S DATA		
ITEM	DESCRIPTION	PART NO.	Q	TY	PART NO.	QTY	
1	GASKET KIT, UPPER ENGINE	4352580	12	PC			
2	COLLET VALVE	205091	192	PC			
3	RETAINER, VALVE SPRING	205094	96	PC			
4	VALVE, INTAKE	207241	48	PC	1		
5	VALVE, EXHAUST	3035110	48	PC			
6	INSERT VALVE, EXHAUST	205093	48	PC			
7	INSERT VALVE, INTAKE	3026296	48	PC			
8	SEAL, O RING	3010510	144	PC			
9	SEAL, O RING	193736	144	PC			
10	SEAL, O RING	205216	144	PC			

11	SEAL, DUST	3088371	24	PC		
12	PUSH ROD	3017961	24	PC		
13	ROD, PÜSH	205492	48	PC		
14	RING, RETAINER	205439	48	PC		
15	GUIDE, VALVE SPRING	3001663	96	PC		
16	GUIDE VALVE CROSS	205169	48	PC		
17	GUIDE VALVE STEM	3201311	96	PC		
18	GASKET, OIL PAN	3043211	6	PC		
19	GASKET, OIL PAN	3043212	6	PC		
20	RING, COMPRESSION PISTON	3070589	72	PC		
21	RING, OIL PISTON	3090450	72	PC		
22	RING, COMPRESSION PISTON	3090460	72	PC		
23	BEARING, CONNECTING ROD	3047390	144	PC		
24	BUSHING, CONNECTING ROD	3043909	24	PC		
25	LINER, CYLINDER	3006089	72	PC		
26	SHELL, MAIN BEARING	AR45264	6	PC		_
27	GASKET, WATER PUMP	206193	6	PC		
28	GASKET, WATER PUMP	206455	6	PC		
29	SEAL, O RING	206457	6	PC		
30	SEAL, OIL	3016787	6	PC		-
31	GASKET, GEAR COVER	3177160	6	PC		
32	BUSHING	132770	12	PC		
33	BUSHING	205133	6	PC		
34	BUSHING	205683	6	PC		
35	SEAL, OIL	3628895	6	PC		
36	GASKET, GEAR HOUSING	3178076	6	PC		
37	GASKET, SEAL RETA	205571	6	PC		
38	SEAL, OIL	3082142	6	PC	-	
39	GASKET, REAR GEAR	3005940	6	PC		
40	GASKET, FUEL PUMP	3069103	6	PC		
41	SEAL, O RING	145600	6	PC	_	
42	GASKET, FILTER HEAD	3177108	6	PC		
43	GASKET, FILTER HEAD	3629387	6	PC		_

SECTION VI - TECHNICAL SPECIFICATIONS

45 GASKET, HAND HOLE 3175856 6 PC 46 PISTON ENGINE KIT 3036074 72 PC 47 GASKET, WATER HEADER COVER 48 GASKET, WATER HEADER 3009324 18 PC COVER 49 SPRING VALVE 205208 96 PC 50 SCREW, TWELVE POINT CAP 205584 56 PC 51 CAP, MAIN BEARING 206587 10 PC 52 CAP, MAIN BEARING 206588 4 PC 53 SCREW, HEXAGON HEAD CAP 3044578 28 PC 54 VALVE, PISTON COOLING 3179664 12 PC 55 SHAFT, IDLER 3033853 4 PC 56 SHAFT, IDLER 3033853 4 PC 57 SUPPORT, BEARING 3175281 4 PC 58 SUPPORT, BEARING 3175281 4 PC 60 ASSY, ROCKER LEVER 3176363 24 PC 61 LINK, INJECTOR PL 62 RING, INJECTOR SMALL END 207244 48 PC 63 CLAMP, INJECTOR SMALL END 207244 48 PC 64 LEVER, CAM FOLLOWER 3039163 48 PC 65 LEVER, CAM FOLLOWER 3039163 48 PC 66 VALVE, PRESSURE RELIEF AR11475 4 PC 67 PUMP, LUBRICATING OIL AR12387 4 PC 68 COOLER, LUBE OIL 3022892 12 PC 69 SUPPORT, WATER PUMP 3024194 4 PC 70 PUMP, WATER 3050445 4 PC 71 GEAR, IDLER ASSY 3004682 4 PC 72 CONNECTION, WATER INLET 3001712 4 PC 73 HOSE, TURBO OIL SUPPLY 3176399 8 PC 74 UNION, TURBO OIL SUPPLY 3176399 8 PC 75 MANIFOLD, FUEL LH 3019581 8 PC	44	GASKET, LUB OIL J	3011651	6	PC		
47 GASKET, WATER HEADER COVER 48 GASKET, WATER HEADER COVER 49 SPRING VALVE 205208 96 PC 50 SCREW, TWELVE POINT CAP 51 CAP, MAIN BEARING 52 CAP, MAIN BEARING 53 SCREW, HEXAGON HEAD CAP 54 VALVE, PISTON COOLING 55 SHAFT, IDLER 56 SHAFT, IDLER 57 SUPPORT, BEARING 58 SUPPORT, BEARING 59 GEAR, IDLER ASSY 60 ASSY, ROCKER LEVER 61 LINK, INJECTOR PL 62 RING, INJECTOR MAILLEND 64 LEVER, CAM FOLLOWER 65 COOLER, LUBE OIL 66 COOLER, LUBE OIL 67 PUMP, WATER PUMP 70 PUMP, WATER 71 GEAR, IDLER ASSY 71 GEAR, IDLER ASSY 72 CONNECTION, WATER INLET 73 HOSE, TURBO OIL SUPPLY 74 UNION, TURBO OIL SUPPLY 74 UNION, TURBO OIL SUPPLY 74 UNION, TURBO OIL SUPPLY 3176379 8 PC 74 UNION, TURBO OIL SUPPLY 3176379 8 PC 75 UNDON, TURBO OIL SUPPLY 3176379 8 PC 10 CONSTRUCTOR ON TORSON OIL SUPPLY 3176379 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176379 8 PC 10 CNONE TURBO OIL SUPPLY 3176379 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176379 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176379 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176379 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176379 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176379 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176592 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176592 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176592 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176592 8 PC 10 CONSTRUCTOR OIL SUPPLY 3176592 8 PC	45	GASKET, HAND HOLE	3175856	6	PC		
COVER  48 GASKET, WATER HEADER COVER  49 SPRING VALVE  50 SCREW, TWELVE POINT CAP  51 CAP, MAIN BEARING  52 CAP, MAIN BEARING  53 SCREW, HEXAGON HEAD CAP  54 VALVE, PISTON COOLING  55 SHAFT, IDLER  56 SHAFT, IDLER  57 SUPPORT, BEARING  58 SUPPORT, BEARING  59 GEAR, IDLER ASSY  60 ASSY, ROCKER LEVER  61 LINK, INJECTOR PL  62 RING, INJECTOR SMALL END  64 LEVER, CAM FOLLOWER  65 LEVER, CAM FOLLOWER  66 COOLER, LUBE OIL  67 PUMP, LUBRICATING OIL  68 COOLER, LUBE OIL  70 HOSE, TURBO OIL SUPPLY  71 HOSE, TURBO OIL SUPPLY  1176550  10 PC  11 PC  12 PC  13 PC  14 PC  15 PC  16 PC  16 PC  16 PC  17 PUMP, LUBRICATING OIL  17 GEAR, IDLER ASSY  17 HOSE, TURBO OIL SUPPLY  17 UNION, TURBO OIL SUPPLY  17 UNION, TURBO OIL SUPPLY  17 UNION, TURBO OIL SUPPLY  17 JESSUA PC  10 PC  10 PC  10 PC  10 PC  10 PC  10 PC  10 PC  10 PC  10 PC  10 PC  10 PC  11 PC  12 PC  13 PC  14 PC  17 UNION, TURBO OIL SUPPLY  13 176379  18 PC  14 PC  15 PC  16 PC  16 PC  17 UNION, TURBO OIL SUPPLY  11 PC  11 PC  11 PC  11 PC  11 PC  12 PC  13 176379  14 PC  14 PC  15 PC  16 PC  17 UNION, TURBO OIL SUPPLY  11 PC  11 PC  11 PC  11 PC  12 PC  13 176592  14 PC  14 PC  15 PC  16 PC  16 PC  17 UNION, TURBO OIL SUPPLY  11 PC  11 PC  11 PC  11 PC  11 PC  12 PC  12 PC  13 176379  14 PC  14 PC  15 PC  16 PC  17 UNION, TURBO OIL SUPPLY  11 PC  11 PC  11 PC  11 PC  12 PC  13 176379  14 PC  14 PC  15 PC  16 PC  17 UNION, TURBO OIL SUPPLY  11 PC	46	PISTON ENGINE KIT	3036074	72	PC		
COVER 49 SPRING VALVE 205208 96 PC 50 SCREW, TWELVE POINT CAP 205584 56 PC 51 CAP, MAIN BEARING 206587 10 PC 52 CAP, MAIN BEARING 206588 4 PC 53 SCREW, HEXAGON HEAD CAP 3044578 28 PC 54 VALVE, PISTON COOLING 3179664 12 PC 55 SHAFT, IDLER 3033853 4 PC 56 SHAFT, IDLER 3033853 4 PC 57 SUPPORT, BEARING 3000138 4 PC 58 SUPPORT, BEARING 3175281 4 PC 59 GEAR, IDLER ASSY 3004681 4 PC 60 ASSY, ROCKER LEVER 3176363 24 PC 61 LINK, INJECTOR PL 205462 48 PC 62 RING, INJECTOR 3006696 48 PC 63 CLAMP, INJECTOR 3006696 48 PC 64 LEVER, CAM FOLLOWER 3039163 48 PC 65 LEVER, CAM FOLLOWER 3039163 48 PC 66 VALVE, PRESSURE RELIEF AR11475 4 PC 67 PUMP, LUBRICATING OIL AR12387 4 PC 68 COOLER, LUBE OIL 3022892 12 PC 69 SUPPORT, WATER PUMP 3024194 4 PC 70 PUMP, WATER 3050445 4 PC 71 GEAR, IDLER ASSY 3004682 4 PC 72 CONNECTION, WATER INLET 3001712 4 PC 73 HOSE, TURBO OIL SUPPLY 3176379 8 PC UNION, TURBO OIL SUPPLY 3176379 8 PC	47		3009324	18	PC		
50         SCREW, TWELVE POINT CAP         205584         56         PC           51         CAP, MAIN BEARING         206587         10         PC           52         CAP, MAIN BEARING         206588         4         PC           53         SCREW, HEXAGON HEAD CAP         3044578         28         PC           54         VALVE, PISTON COOLING         3179664         12         PC           55         SHAFT, IDLER         3178450         4         PC           56         SHAFT, IDLER         3033853         4         PC           57         SUPPORT, BEARING         300138         4         PC           58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3036696         48         PC           64         LEVER, CAM FOLLOWER         3039163 <t< td=""><td>48</td><td>1 '</td><td>3009323</td><td>18</td><td>PC</td><td></td><td></td></t<>	48	1 '	3009323	18	PC		
51         CAP, MAIN BEARING         206587         10         PC           52         CAP, MAIN BEARING         206588         4         PC           53         SCREW, HEXAGON HEAD CAP         3044578         28         PC           54         VALVE, PISTON COOLING         3179684         12         PC           55         SHAFT, IDLER         3178450         4         PC           56         SHAFT, IDLER         3033853         4         PC           57         SUPPORT, BEARING         3000138         4         PC           58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164	49	SPRING VALVE	205208	96	PC		
52         CAP, MAIN BEARING         206588         4         PC           53         SCREW, HEXAGON HEAD CAP         3044578         28         PC           54         VALVE, PISTON COOLING         3179664         12         PC           55         SHAFT, IDLER         3178450         4         PC           56         SHAFT, IDLER         3033853         4         PC           57         SUPPORT, BEARING         3175281         4         PC           58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475	50	SCREW, TWELVE POINT CAP	205584	56	PC		
53         SCREW, HEXAGON HEAD CAP         3044578         28         PC           54         VALVE, PISTON COOLING         3179664         12         PC           55         SHAFT, IDLER         3178450         4         PC           56         SHAFT, IDLER         3033853         4         PC           57         SUPPORT, BEARING         3000138         4         PC           58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         3022892	51	CAP, MAIN BEARING	206587	10	PC		
54         VALVE, PISTON COOLING         3179664         12         PC           55         SHAFT, IDLER         3178450         4         PC           56         SHAFT, IDLER         3033853         4         PC           57         SUPPORT, BEARING         3000138         4         PC           58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         3022892         12         PC           69         SUPPORT, WATER         3050445 <t< td=""><td>52</td><td>CAP, MAIN BEARING</td><td>206588</td><td>4</td><td>PC</td><td></td><td></td></t<>	52	CAP, MAIN BEARING	206588	4	PC		
55         SHAFT, IDLER         3178450         4         PC           56         SHAFT, IDLER         3033853         4         PC           57         SUPPORT, BEARING         3000138         4         PC           58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         AR12387         4         PC           68         COOLER, LUBE OIL         3022892         12         PC           69         SUPPORT, WATER         3050445         4 <td>53</td> <td>SCREW, HEXAGON HEAD CAP</td> <td>3044578</td> <td>28</td> <td>PC</td> <td></td> <td></td>	53	SCREW, HEXAGON HEAD CAP	3044578	28	PC		
56         SHAFT, IDLER         3033853         4         PC           57         SUPPORT, BEARING         3000138         4         PC           58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         AR12387         4         PC           68         COOLER, LUBE OIL         3022892         12         PC           69         SUPPORT, WATER PUMP         3024194         4         PC           70         PUMP, WATER         3004682	54	VALVE, PISTON COOLING	3179664	12	PC		
57         SUPPORT, BEARING         3000138         4         PC           58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         AR12387         4         PC           68         COOLER, LUBE OIL         3022892         12         PC           69         SUPPORT, WATER PUMP         3024194         4         PC           70         PUMP, WATER         3004682         4         PC           72         CONNECTION, WATER INLET         3001712	55	SHAFT, IDLER	3178450	4	PC		
58         SUPPORT, BEARING         3175281         4         PC           59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         AR12387         4         PC           68         COOLER, LUBE OIL         3022892         12         PC           69         SUPPORT, WATER PUMP         3024194         4         PC           70         PUMP, WATER         3050445         4         PC           71         GEAR, IDLER ASSY         3004682         4         PC           72         CONNECTION, WATER INLET         301712	56	SHAFT, IDLER	3033853	4	PC	_	
59         GEAR, IDLER ASSY         3004681         4         PC           60         ASSY, ROCKER LEVER         3176363         24         PC           61         LINK, INJECTOR PL         205462         48         PC           62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         AR12387         4         PC           68         COOLER, LUBE OIL         3022892         12         PC           69         SUPPORT, WATER PUMP         3024194         4         PC           70         PUMP, WATER         3050445         4         PC           71         GEAR, IDLER ASSY         3004682         4         PC           72         CONNECTION, WATER INLET         301712         4         PC           74         UNION, TURBO OIL SUPPLY         3176592<	57	SUPPORT, BEARING	3000138	4	PC		
60 ASSY, ROCKER LEVER 3176363 24 PC 61 LINK, INJECTOR PL 205462 48 PC 62 RING, INJECTOR SMALL END 207244 48 PC 63 CLAMP, INJECTOR 3006696 48 PC 64 LEVER, CAM FOLLOWER 3039163 48 PC 65 LEVER, CAM FOLLOWER 3039164 96 PC 66 VALVE, PRESSURE RELIEF AR11475 4 PC 67 PUMP, LUBRICATING OIL AR12387 4 PC 68 COOLER, LUBE OIL 3022892 12 PC 69 SUPPORT, WATER PUMP 3024194 4 PC 70 PUMP, WATER 3050445 4 PC 71 GEAR, IDLER ASSY 3004682 4 PC 72 CONNECTION, WATER INLET 3001712 4 PC 73 HOSE, TURBO OIL SUPPLY 3176379 8 PC 74 UNION, TURBO OIL SUPPLY 3176592 8 PC	58	SUPPORT, BEARING	3175281	4	PC		
61 LINK, INJECTOR PL 62 RING, INJECTOR SMALL END 63 CLAMP, INJECTOR 64 LEVER, CAM FOLLOWER 65 LEVER, CAM FOLLOWER 66 VALVE, PRESSURE RELIEF 67 PUMP, LUBRICATING OIL 68 COOLER, LUBE OIL 69 SUPPORT, WATER PUMP 70 PUMP, WATER 71 GEAR, IDLER ASSY 72 CONNECTION, WATER INLET 73 HOSE, TURBO OIL SUPPLY 74 UNION, TURBO OIL SUPPLY 75 1000 3000696 76 PC 76 PC 77 2000 48 PC 78 PC 78 PC 79 PUMP, WATER PUMP 79 PUMP, WATER PUMP 70 PUMP, WATER 70 PUMP, WATER 71 GEAR, IDLER ASSY 72 CONNECTION, WATER INLET 73 HOSE, TURBO OIL SUPPLY 74 UNION, TURBO OIL SUPPLY 75 3176592 76 PC 77 PUMP, WATER 76 PC 77 PC 78 PC 79 PUMP, WATER 79 PC 70 PUMP, WATER 70 PUMP, WATER 70 PUMP, WATER 71 GEAR, IDLER ASSY 71 GEAR, IDLER ASSY 72 CONNECTION, WATER INLET 73 HOSE, TURBO OIL SUPPLY 74 UNION, TURBO OIL SUPPLY 75 BOOK ASS PC 76 PC 77 PC 78 PC 79 PUMP, WATER 79 PC 79 PUMP, WATER 79 PC 70 PUMP, WATER 70 PUMP, WATER 70 PUMP, WATER 71 GEAR, IDLER ASSY 71 GEAR, IDLER ASSY 72 CONNECTION, WATER INLET 73 HOSE, TURBO OIL SUPPLY 74 UNION, TURBO OIL SUPPLY 75 BOOK ASS PC 76 PC 77 PUMP, WATER 77 PC 78 PC 79 PUMP, WATER 79 PC 79 PUMP, WATER 79 PC 70 PUMP, WATER 70 PC 70 PUMP, WATER 71 GEAR, IDLER ASSY 71 GEAR 71 GEAR 71 PC 72 CONNECTION, WATER INLET 73 HOSE, TURBO OIL SUPPLY 74 UNION, TURBO OIL SUPPLY 75 BOOK ASS PC 76 PC 77 PUMP, WATER 77 PC 78 PC 79 PUMP, WATER 79 PC 79 PUMP, WATE	59	GEAR, IDLER ASSY	3004681	4	PC		
62         RING, INJECTOR SMALL END         207244         48         PC           63         CLAMP, INJECTOR         3006696         48         PC           64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         AR12387         4         PC           68         COOLER, LUBE OIL         3022892         12         PC           69         SUPPORT, WATER PUMP         3024194         4         PC           70         PUMP, WATER         3050445         4         PC           71         GEAR, IDLER ASSY         3004682         4         PC           72         CONNECTION, WATER INLET         3001712         4         PC           73         HOSE, TURBO OIL SUPPLY         3176379         8         PC           74         UNION, TURBO OIL SUPPLY         3176592         8         PC	60	ASSY, ROCKER LEVER	3176363	24	PC		
63 CLAMP, INJECTOR 3006696 48 PC 64 LEVER, CAM FOLLOWER 3039163 48 PC 65 LEVER, CAM FOLLOWER 3039164 96 PC 66 VALVE, PRESSURE RELIEF AR11475 4 PC 67 PUMP, LUBRICATING OIL AR12387 4 PC 68 COOLER, LUBE OIL 3022892 12 PC 69 SUPPORT, WATER PUMP 3024194 4 PC 70 PUMP, WATER 3050445 4 PC 71 GEAR, IDLER ASSY 3004682 4 PC 72 CONNECTION, WATER INLET 3001712 4 PC 73 HOSE, TURBO OIL SUPPLY 3176379 8 PC 74 UNION, TURBO OIL SUPPLY 3176592 8 PC	61	LINK, INJECTOR PL	205462	48	PC		
64         LEVER, CAM FOLLOWER         3039163         48         PC           65         LEVER, CAM FOLLOWER         3039164         96         PC           66         VALVE, PRESSURE RELIEF         AR11475         4         PC           67         PUMP, LUBRICATING OIL         AR12387         4         PC           68         COOLER, LUBE OIL         3022892         12         PC           69         SUPPORT, WATER PUMP         3024194         4         PC           70         PUMP, WATER         3050445         4         PC           71         GEAR, IDLER ASSY         3004682         4         PC           72         CONNECTION, WATER INLET         3001712         4         PC           73         HOSE, TURBO OIL SUPPLY         3176379         8         PC           74         UNION, TURBO OIL SUPPLY         3176592         8         PC	62	RING, INJECTOR SMALL END	207244	48	PC		
65 LEVER, CAM FOLLOWER 3039164 96 PC 66 VALVE, PRESSURE RELIEF AR11475 4 PC 67 PUMP, LUBRICATING OIL AR12387 4 PC 68 COOLER, LUBE OIL 3022892 12 PC 69 SUPPORT, WATER PUMP 3024194 4 PC 70 PUMP, WATER 3050445 4 PC 71 GEAR, IDLER ASSY 3004682 4 PC 72 CONNECTION, WATER INLET 3001712 4 PC 73 HOSE, TURBO OIL SUPPLY 3176379 8 PC 74 UNION, TURBO OIL SUPPLY 3176592 8 PC HOSE	63	CLAMP, INJECTOR	3006696	48	PC		
66       VALVE, PRESSURE RELIEF       AR11475       4       PC         67       PUMP, LUBRICATING OIL       AR12387       4       PC         68       COOLER, LUBE OIL       3022892       12       PC         69       SUPPORT, WATER PUMP       3024194       4       PC         70       PUMP, WATER       3050445       4       PC         71       GEAR, IDLER ASSY       3004682       4       PC         72       CONNECTION, WATER INLET       3001712       4       PC         73       HOSE, TURBO OIL SUPPLY       3176379       8       PC         74       UNION, TURBO OIL SUPPLY       3176592       8       PC         HOSE	64	LEVER, CAM FOLLOWER	3039163	48	PC		
67 PUMP, LUBRICATING OIL AR12387 4 PC 68 COOLER, LUBE OIL 3022892 12 PC 69 SUPPORT, WATER PUMP 3024194 4 PC 70 PUMP, WATER 3050445 4 PC 71 GEAR, IDLER ASSY 3004682 4 PC 72 CONNECTION, WATER INLET 3001712 4 PC 73 HOSE, TURBO OIL SUPPLY 3176379 8 PC 74 UNION, TURBO OIL SUPPLY 3176592 8 PC HOSE	65	LEVER, CAM FOLLOWER	3039164	96	PC		1
68 COOLER, LUBE OIL 3022892 12 PC 69 SUPPORT, WATER PUMP 3024194 4 PC 70 PUMP, WATER 3050445 4 PC 71 GEAR, IDLER ASSY 3004682 4 PC 72 CONNECTION, WATER INLET 3001712 4 PC 73 HOSE, TURBO OIL SUPPLY 3176379 8 PC 74 UNION, TURBO OIL SUPPLY 3176592 8 PC HOSE	66	VALVE, PRESSURE RELIEF	AR11475	4	PC		
69 SUPPORT, WATER PUMP 3024194 4 PC 70 PUMP, WATER 3050445 4 PC 71 GEAR, IDLER ASSY 3004682 4 PC 72 CONNECTION, WATER INLET 3001712 4 PC 73 HOSE, TURBO OIL SUPPLY 3176379 8 PC 74 UNION, TURBO OIL SUPPLY 3176592 8 PC HOSE	67	PUMP, LUBRICATING OIL	AR12387	4	PC		
70         PUMP, WATER         3050445         4         PC           71         GEAR, IDLER ASSY         3004682         4         PC           72         CONNECTION, WATER INLET         3001712         4         PC           73         HOSE, TURBO OIL SUPPLY         3176379         8         PC           74         UNION, TURBO OIL SUPPLY         3176592         8         PC           HOSE         HOSE         PC         HOSE	68	COOLER, LUBE OIL	3022892	12	PC		
71       GEAR, IDLER ASSY       3004682       4       PC         72       CONNECTION, WATER INLET       3001712       4       PC         73       HOSE, TURBO OIL SUPPLY       3176379       8       PC         74       UNION, TURBO OIL SUPPLY HOSE       3176592       8       PC	69	SUPPORT, WATER PUMP	3024194	4	PC		
72         CONNECTION, WATER INLET         3001712         4         PC           73         HOSE, TURBO OIL SUPPLY         3176379         8         PC           74         UNION, TURBO OIL SUPPLY HOSE         3176592         8         PC	70	PUMP, WATER	3050445	4	PC		
73 HOSE, TURBO OIL SUPPLY 3176379 8 PC  74 UNION, TURBO OIL SUPPLY 3176592 8 PC HOSE	71	GEAR, IDLER ASSY	3004682	4	PC		
74 UNION, TURBO OIL SUPPLY 3176592 8 PC HOSE	72	CONNECTION, WATER INLET	3001712	4	PC		
HOSE	73	HOSE, TURBO OIL SUPPLY	3176379	8	PC		
	74	•	3176592	8	PC		
	75		3019581	8	PC		

76	MANIFOLD, FUEL RH	3019582	8	PC		
77	CONNECTION, FUEL BLOCK	3176708	8	PC		İ
78	CONNECTION, FUEL BLOCK	3176709	8	PC		
79	TUBE, FUEL SUPPLY	3176710	16	PC	·	<del></del>
80	INDICATOR, RESTRICTION	178957	8	PC		
81	PULLEY, CRANKSHAFT	4060694	2	PC		
82	ADAPTER, CRANKSHAFT	3031736	2	PC		
83	SPACER, CRANKSHAFT	3037239	2	PC		
84	DAMPER, VIBRATION	3418998	4	PÇ		
85	TRANSDUCER, TEMPERATURE	3015238	8	PC		
86	TRANSDUCER, PRESSURE	3165752	4	PC		
87	HARNESS, WIRING	3165775	4	PC		
88	SWITCH, PRESSURE	3056344	20	PC		
89	SWITCH, TEMPERATURE	3056353	20	PC		
90	PICK UP, MAGNETIC	3034572	20	PC		
91	PULLEY, ALTERNATOR	3014711	4	PC		
92	ALTERNATOR	3016627	4	PC		
93	FAN IDLER ASSEMBLY	3016344	4	PC		<del></del> -
94	FAN HUB	4060703	4	PC		
95	HEAD, FUEL FILTER	3032630	4	PC		
96	HOSE, FLEXIBLE	3175810	4	PC		-
97	COVER, REAR	207547	4	PC		
98	FUEL PUMP TLN	3165400	4	PC		
99	CONTROL, GOVERNOR	3044196	4	PC		
100	HARNESS, WIRING	3063683	4	PC		
101	SUPPORT, FUEL PUMP	3022725	4	PC		
102	CONNECTION FUEL BLOCK	3177629	4	PC		
103	TUBE, FUEL SUPPLY	3178525	4	PC		
104	VALVE, SHUTOFF	3017993	4	PC		
105	HEAT EXCHANGER	3165765	4	PC		
106	TUBE, RADIATOR FILL LOWER	3003885	4	PC		
107	TUBE, RADIATOR FILL LOWER	3003909	4	PC		
108	TUBE, WATER INLET	3165707	4	PC		

109	TUBE, WATER OUTLET	4060677	8	PC		
110	FAN, ENGINE	3165799	4	PC		-
111	CONNECTION, AIR INTAKE	3013114	8	PC	<b></b>	<del> </del>
112	MANIFOLD, AIR INTAKE	3019030	8	PC		
113	MANIFOLD, AIR INTAKE	3019031	8	PC		
114	PLUNGER, PRS REGULATOR	3021618	4	PC		<del></del>
115	HEAD, LUB OIL FILTER	3178474	4	PC		<del> </del>
116	HEAD, LUB OIL FILTER	3176127	4	PC		
117	ROD, ENGINE CONNECTING	3419120	24	PC		
118	HEAD, CYLINDER	3021692	18	PC		
119	SCREW, CROSSHEAD ADJUST	3032697	96	PC		
120	NUT, HEAVY HEAXAGON	203131	96	PC		
121	CROSSHEAD, VALVE	3048620	96	PC		<del> </del>
122	HOUSING, ROCKER LEVER	3629537	4	PC		
123	HOUSING, ROCKER LEVER	3202197	4	PC	••••	
124	HOUSING, ROCKER LEVER	3202193	40	PC		
125	CAMSHAFT R.B.	AR12404	2	PC		
126	CAMSHAFT L.B.	AR12405	2	PC		
127	INJECTOR	3052255	48	PC		
128	TURBOCHARGER	3594040	8	PC		
129	PULLEY, ACCESSORY DRIVE	3015546	2	PC		
130	MOTOR, STARTING	3010125	8	PÇ		
131	HEAD, CORROSION RESISTOR	3175452	8	PC		
132	CONNECTION, WATER INLET	207538	4	PC		
133	TUBE, WTR TRANSFER LB	3005118	4	PC		
134	TUBE, WATER BYPASS	3028483	4	PC		
135	TUBE, WATER TRANSFER	3040881	4	PC		
136	TUBE, WATER TRANSFER	AR12428	40	PC		<del>  -</del> -
137	THERMOSTAT	3076489	8	PC		
138	HOUSING, THERMOSTAT	AR11501	4	PC		
139	MANIFOLD, EXHAUST	3028235	8	PC		
140	MANIFOLD, EXHAUST	3028237	8	PC		
141	MANIFOLD, EXHAUST	3630261	8	PC		

142	ASSY, MUFFLER	3418930	2	PC	
143	GASKET, TURBOCHARGER	106322	8	PC	
144	CONNECTION, EXHAUST OUTLET	203555	8	PC	
145	CONNECTION, TURBO	3026447	8	PC	
146	RADIATOR ASSEMBLY	N/A	2	ASSY	
147	SWITCH, MAGNETIC	3050692	20	PC	

# **PACKAGE V**

Engine Nos. <u>85000992</u> Engine Serial No. <u>478816 3</u> Model Nos. <u>QSK23-G3</u>

Make: CUMMINS

		NPC REQUIREMENTS			SUPPLIER'S DATA		
ITEM	DESCRIPTION  GASKET SET, UPPER ENGINE	PART NO.	QTY		PART NO.	QTY	
1		4089360	8	PÇ			
2	SEAL, VALVE STEM	4007185	192	PC			
3	VALVE, INTAKE	4007179	24	PC			
4	VALVE, EXHAUST	4007180	24	PC			
5	WEARPLATE, VALVE SPRING	4007182	48	PC			
6	RETAINER, VALVE SPRING	4007183	48	PC	-		
7	INSERT, VALVE EXHAUST	4006184	24	PC		<del>                                     </del>	
8	INSERT, VALVE INTAKE	4095988	24	PC			
9	ROD, PUSH	4095506	24	PC			
10	ROD, PUSH	4095511	12	PC			
11	GUIDE, VALVE CROSSHEAD	4006186	24	PC			
12	GUIDE, VALVE STEM	4096488	48	PC		1	
13	BEARING SET, CONNECTING ROD	4095985	18	PC			
14	RING SET, PISTON	4025382	18	PC			
15	GASKET SET, LOWER ENGINE	4089361	3	PC			
16	GASKET, AFT HOUSING	4095448	3	PC			
17	GASKET, CONNECTION	4095450	3	PC			
18	BUSHING	4095457	21	PC			
19	GASKET, PLATE COVER	4095690	3	PC	1		
20	SEAL, FRONT COVER	4096669	3	PC	1		

21	SEAL, DUST	4096670	3	PC		
22	BEARING SET, MAIN	4095973	21	PC		
23	BEARING SET, THRUST	4095983	3	PC		
24	KIT, CYLINDER LINER	4089364	18	PC		
25	SEAL, OIL	4095640	3	PC		
26	SEAL, OIL	4095800	3	PÇ		
27	KIT, ENGINE PISTON	4089357	18	PC		
28	COVER, AFTERCOOLER	4095447	2	PC	<del></del>	
29	ALTERNATOR	4095421	2	PC		
30	DAMPER, VIBRATION	4095438	2	PC		
31	NOZZLE, PISTON COOLING	4095460	12	PC		
32	CAMFOLLOWER, ASSY (TLA)	4095567	12	PC		
33	COOLER, OIL	4096086	4	PC		
34	THERMOSTAT	4095524	2	PC		
35	SEAL, THERMOSTAT	4095526	2	PC		
36	SEAL, ORING	4095541	8	PC		
37	SEAL, ORING	4095542	4	PC		
38	SEAL, ORING	4095898	4	PC		
39	CORE, COOLER	4096005	2	PC		
40	TUBE, WATER TRANSFER	4095958	2	PC		
41	PULLEY, FAN	4096002	2	PC		
42	TENSIONER, BELT	4096342	2	PC		
43	HUB, FAN	4096000	2	PC		
44	DRIVE, FUEL PUMP	4096329	2	PC		
45	HEAD, FUEL FILTER	4096666	2	PC		
46	HEAD, LUBE OIL FILTER	4096180	4	PC		
47	TUBE, FUEL TRANSFER	4095637	2	PC		
48	TUBE, FUEL SUPPLY	4095609	2	PC	· <del></del>	
49	HEAD, CYLINDER	4096555	8	PC		
50	VALVE SPRING	3639621	48	PC		
51	GEAR, IDLER	4096764	2	PC		
52	SCREW, TWELVE POINT HEAD	4006200	84	PC	ĺ	
53	SCREW, TWELVE POINT CAP	4006201	24	PC		
54	CROSSHEAD, VALVE	4095441	24	PC		
55	LEVER, ROCKER EXHAUST	4095967	12	PC		
					1	

56	LEVER, ROCKER INTAKE	4095968	12	PC		
57	INJECTOR LEVER, ROCKER	4096490	12	PC		<u> </u>
58	SENSOR, PRESSURE	2872254	10	PC		
59	SENSOR, PRESSURE	3408587	20	PC		
60	ACTUATOR, ETR FUEL CONTROL	3347905	2	PC		
61	ACTUATOR, ETR FUEL CONTROL	3347907	2	PC		
62	SENSOR, PRESSURE	3408583	10	PC		
63	SENSOR, PRESSURE	3408585	10	PC		
64	SENSOR, TEMPERATURE	4954905	20	PC		
65	SENSOR, TEMPERATURE	4088832	10	PC		
66	SENSOR, PRESSURE	4902720	10	PC	<u> </u>	
67	MOTOR, STARTING	4096443	2	PC		
68	HARNESS, WIRING	4096434	2	PC		
69	ROD, CONNECTING	4096475	12	PC		
70	PUMP, FUEL	4087997	2	PC		
71	SENSOR, PRESSURE	3408577	2	PC		
72	SUPPORT, FUEL PUMP	4095606	2	PC	-	
73	PUMP, LUBRICATING OIL	4095431	2	PC		
74	WATER PUMP	4096429	2	PC		
75	RESISTOR HEAD, CORROSION	4095766	2	PC		
76	CRANKSHAFT PULLEY	4095499	2	PC		
77	CAMSHAFT	4095508	1	PC		
78	INJECTOR	4088431	10	PC		
79	KIT, TURBOCHARGER	4025150	3	PC		
80	MANIFOLD, EXHAUST	4095451	4	PC		
81	MANIFOLD, EXHAUST	4095734	2	PC		
82	CONNECTION, WATER TRANSFER	4095591	2	PC		
83	RADIATOR	N/A	1	ASSY		

"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". or "Certification from the OEM/Manufacturer that the item(s) offered is the same as required in the Tender Documents" must be submitted as post qualification requirement.

#### **BID DOCUMENTS**

SECTION VI - TECHNICAL SPECIFICATIONS

SUPPLY AND DELIVERY OF CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINSDIESEL GENERATING SETS OF MQNLOD PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

Note:

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

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

Name of Bidder	Name and Signature of	Signature
	Authorized Representative	_

SUPPLY AND DELIVERY OF CONTINUE ATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MONLOD

PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

# **SECTION VII**

# SCHEDULE OF REQUIREMENTS

#### ( Bid Price Schedule )

					•	UNIT PI	IVERED	TOTAL PRICE			
NO.	DESCRIPTION		QTY	UNIT	C O D	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = I x C )
(A)	(B)		C	)	(D)	(E)	(F)	(G)	(H)	(1)	(J)
	PACKAGE	I / PR NO. \$1-MQN	124-003								
1	SET, UPPER ENGINE GASKET	4089649	7	PC							
2	SEAL, RECTANGULAR RING	C3909356	42	PC							
3	COLLET, VALVE	C3900250	168	PC							
4	VALVE, EXHAUST	C4994143	42	PC							
5	VALVE, INTAKE	C4995554	42	PC		_					
6	RETAINER, VALVE SPRING	C3957913	84	PC							
7	GASKET, EXHAUST CONNECTION	C4928804	7	PC							
8	GASKET, EXHAUST CONNECTION	C4928805	14	PC							
9	TAPPET VALVE	C3931623	60	PC							
10	GASKET, OIL PAN	C3959052	5	PC							
11	RING, COMPRESSION PISTON	C3904531	30	PC							
12	RING, COMPRESSION PISTON	C3918315	30	PC							
13	RING, OIL PISTON	C3932520	30	PC							
14	BEARING, CONNECTING ROD	C3969562	30	PC	<u> </u>						
15	BEARING, CONNECTING ROD	C4893893	30	PC	] <del></del>						
16	BEARING, MAIN	C3978818	30	PC							
17	BEARING MAIN	C3978820	35	PC	]						
18	BEARING, THRUST	C3978822	5	PC	_ · <del></del>						
19	BUSHING	C3901306	5	PC	<u> </u>						
20	LINER, CYLINDER	C3904166	30	PC							
21	RING, RETAINING	C3920691	60	PC							
22	PISTON, ENGINE	C3926631	30	PC							
23	PIN, PISTON	C3934047	30	PC							
24	GASKET, GEAR HOUSING	C3938156	5	PC			[				

					•	UNIT PI	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
NO.	o. description		QTY	QTY UNIT		Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J=IxC)
(A)	(B)		{C	)	(D)	(E)	(F)	(G)	(H)	(1)	(J)
25	GASKET, REAR COVER	C3938159	5	PC							
26	SEAL, RECTANGULAR RING	C3912473	5	PC							
27	SEAL, OIL	C3968563	5	PC							
28	SEAL, OIL	C4982415	5	PC							
29	SEAL, OIL	C4991305	5	PC							-
30	GASKET, GEAR COVER	D3918673	5	PC		_					-
31	GASKET, FILTER HEAD	C3942915	5	PC							"
32	GASKET, OIL COOLER CORE	C5266445	5	PC							
33	SEAL, RECTANGULAR RING	C3906696	5	PC		!	-				
34	PUSH ROD	C3284377	60	PC							
35	SUPPORT, ROCKER LEVER	C3934920	30	PC							
36	SEAL, RECTANGULAR RING	C3906697	5	PC		<del></del>					
37	SEAL, RECTANGULAR RING	C3906698	5	PC							
38	SPRING, VALVE	C3916671	30	PC	<b>i</b>				. —		
39	SPRING, VALVE	C3926700	30	PC							
40	FLANGE, CRANKSHAFT	C5265057	4	PC	i			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
41	CONNECTION, SPACER	C5266557	4	PC							
42	CAP, MAIN BEARING	C3903492	14	PC							
43	GEAR, CRANKSHAFT	C3929027	2	PC	•						
44	CRANKSHAFT, ENGINE	C3929037	2	ASSY							
45	NOZZLE, PISTON COOLING	C3937214	12	PC							
46	HOUSING, GEAR	C5267783	4	PC		_	· <del>-</del>				
47	DAMPER, VIBRATION	C3973859	4	PC							
48	THERMOSTAT	C4930315	20	PC					•		
49	ALTERNATOR	C3972529	4	PC							
50	SENSOR, SPEED	C3971994	40	PC							
51	PULLEY, FAN	C3914458	4	PC							
52	SUPPORT, FAN	C4932907	4	PC							·
53	HEAD, FUEL FILTER	C3930969	4	PC					<del></del>		
54	HEAD, FUEL FILTER	C4989118	4	PC					· · <del>-</del>		

					•	UNIT PI	RICE FOR GOODS AND	RELATED SERVICES TO	BE SUPPLIED AND DEL	LIVERED	TOTAL PRICE
ITEM NO.	DESCRIPTIO	N	QTY	QTY UNIT		Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J=IxC)
(A)	(8)		(C	)	(D)	(E)	(F)	(G)	(H)	(1)	(J)
55	TUBE, FUEL SUPPLY	C5273909	4	PC							
56	TUBE, FUEL SUPPLY	C3977536	4	PC	<u> </u>						
57	FAN, ENGINE	C4931807	2	PC							
58	ADAPTER, FAN	C4931791	2	PC							
59	GEAR, FUEL PUMP	C3960730	4	PĆ							
60	PUMP, FUEL INJECTION	C5318046	2	PC				_			
61	PUMP, FUEL INJECTION	C5267707	2	PC							
62	PUMP, FUEL TRANSFER	C5334912	2	PC							<u> </u>
63	PUMP, FUEL TRANSFER	C4937767	2	PC		··					
64	TUBE, FUEL SUPPLY	C4940671	2	PC							
65	MANIFOLD, FUEL	C4931027	4	PC							
66	TUBE, FUEL DRAIN	C5301453	4	PC						_	
67	PIPE, AIR TRANSFER	C4935790	4	PC			-				····
68	HEAD, LUBE OIL FILTER	C4934217	4	PC							
69	CORE, COOLER	C3957544	4	PC							
70	PUMP, LUBRICATING OIL	C4939587	4	PC	<u> </u>						
71	CONNECTION, OIL SUCTION	C3921992	4	PC		_	•				
72	PAN, OIL	C3915703	1	PC							· · · · · · · · · · · · · · · · · · ·
73	SUPPORT, CAMSHAFT THRUST	C3927155	4	PC			-				
74	GEAR, CAMSHAFT	C3929028	4	PC						··	
75	CAMSHAFT	C3970366	2	PC						<del>_</del> _	
76	INJECTOR	C4943468	24	PC							
77	INJECTOR	C4948366	24	PC	li				<u></u> .		
78	ROD, ENGINE CONNECTING	C4943979	24	PC							,
79	TURBOCHARGER	C3767251	4	PC	- <del></del>	_	-	<del></del>			
80	TURBOCHARGER	C3788390	4	PC							
81	HEAD, CYLINDER	C5254535ZZ	4	PC	!			<del></del>			
82	HEAD, CYLINDER	Ç4981002	4	PC			,				
83	TUBE, INJECTOR FUEL SUPPLY	C3960464	4	PC				\ <del></del> -			
84	TUBE, INJECTOR FUEL SUPPLY	C3960465	4	PC			-				

	DESCRIPTION				UNIT PI	RICE FOR GOODS AND F	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE						
ITEM NO.	DESCRIPTION		QTY UNIT							C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = I x C )
(A)	(B)		(0	:)	(D)	(E)	(F)	(G)	(H)	(1)	(J)					
85	TUBE, INJECTOR FUEL SUPPLY	C4929779	4	PC PC							<u>.</u>					
86	TUBE, INJECTOR FUEL SUPPLY	C4931029	4	PC												
87	RELAY	C4988354	4	PC												
88	SENSOR, TEMPERATURE	C3967250	10	PC												
89	MOTOR, STARTING	C4935789	4	PC							-					
90	RELAY	C5266538	4	PC												
91	MANIFOLD, EXHAUST	C3970066	4	PC					•	·-···						
92	HOUSING, THERMOSTAT	C5257270	4	PC				;								
93	CONNECTION, WATER INLET	C3973197	4	PC												
94	PUMP, WATER	C4935793	4	PC												
95	TENSIONER, BELT	C3937553	4	PC												
96	RADIATOR	FOR 80KW 6BTAA5.9-G2	2	ASSY							-					
97	RADIATOR	FOR 100KW 6BTAA5.9-G12	2	ASSY						·						
98	RADIATOR	FOR 120KW 6BTAA5.9-G2	2	ASSY												
99	CONTROL, GOVERNOR	FORTRUST C2002	4	PC												
	TOTAL			. <u>-</u>	ł	<u>.</u>			<u> </u>	<del></del>	P					
							(Amount in Word	(at								
•	Bidders shall enter a code represer equipment, materials and accessor		gin of all import	ed				ı	Code	1	Country of Origin					
	Cost of equipment, freight, insurance, etc. up to Phil. port of entry															
<	Unit Price for Local Transportation, delivery of the goods from the Phili			ntal to							<u> </u>					
Note: Final delivery site of spare parts shall be at National Power Corporation, MQNLOD Office, Minuyan, San Joes Del Monte City, Bulacan																

Page	4	of	4
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Name of Bidder: Signature of Bidder:

#### ( Bid Price Schedule )

					•	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED  Total Price of Goods   Import Duties & other   Value Added Tax and					TOTAL PRICE
ITEM NO.	DESCRIPTION	ı	QTY	UNIT	C O D	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J=IxC)
(A)	(B)		(C	)	(0)	(E)	(F)	(G)	(H)	Ø	(J)
	PACKAGE	II / PR NO. \$1-MQI	V24-004								
1	GASKET KIT, TOP OVERHAULING	4089758	8	PC							
2	COLLET, VALVE	3900250	384	PC							
3	VALVE, INSERT INTAKE	3940152	96	PC							
4	INSERT, VALVE EXHAUST	3968074	96	PC							
5	RETAINER, VALVE SPRING	C3944452	192	PC							
6	VALVE, INTAKE	D3942588	96	PC							
7	VALVE EXHAUST	D3942589	96	PC							
8	VALVE STEM GUIDE	4934063	120	PC							
9	ROD, PUSH	C3964715	60	PC							
10	VALVE TAPPET	C3965966	60	PC							
11	GASKET, OIL COOLER CORE	C3918174	5	PC							
12	GASKET, LUB OIL GLR COVER	C3929011	5	PC							
13	GASKET, CONNECTION AIR	C3917892	5	PC							
14	RING, OIL PISTON	C3921919	30	PC	ļ						
15	RING, COMPRESSION PISTON	C3948412	30	PC							
16	RING, COMPRESSION PISTON	C3964073	30	PC							
17	BEARING, CONNECTING ROD	C3950661	30	PC							
18	BEARING, CONNECTING ROD	C3966244	30	PC							
19	RING, RETAINING	C3920692	60	PC							ĺ
20	GASKET, OIL PAN	C3973509	5	PC							
21	BEARING, MAIN	C3944153	18	PC					, , , , , , , , , , , , , , , , , , , ,		
22	BEARING, MAIN	C3944158	21	PC		<u> </u>					
23	BEARING , CRAKSHAFT THRUST	C3994163	3	PC							
24	LINER, CYLINDER	C3948095	18	PC							

					*	UNIT PI	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DELI	VERED	TOTAL PRICE
ITEM NO.	DESCRIPTIO	<b>N</b>	QTY	UNIT	C O D	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J=IxC)
(A)	(B)		(¢	]	(D)	(E)	(F)	(G)	(H)	(1)	(J)
25	SEAL, RECTANGULAR	C3907177	18	PC							
26	SEAL, RECTANGULAR RING	C3912473	3	PC				<u></u>		·	
27	GASKET, REAR COVER	C3939353	3	PC							·
28	SEAL, OIL	C3942535	3	PC							
29	SEAL, OIL	C3968562	3	PC				<u> </u>			
30	GASKET, CONNECTION	C3415658	3	PC							
31	PIN, PISTON	C3950549	18	PC							
32	PISTON, ENGINE	C5302254	18	PC							
33	BUSHING, CAMSHAFT	C3945329	21	PC	[						
34	SEAL, O RING	C3926048	3	PC	[						
35	SEAL, O RING	C3940386	3	PC	<del></del>						
36	SEAL, O RING	C3969698	3	PC	l						
37	SEAL, O-RING	C3913994	3	PC							
38	SPRING, VALVE	3944711	72	PC							
39	GASKET, GEAR HOUSING	C3944293	3	PC	[						
40	PUMP, WATER	C4934058	4	PC	[						
41	HOSE, PUMP	C3071049	16	PC	ļ						
42	TENSION, BELT	C3976831	4	PC							
43	HOUSING, TIMING PIN	C3913995	4	PC							
44	HOUSING, GEAR	C3938086	4	PC							
45	SENSOR, TEMPERATURE	C3979176	20	PC					<u>-</u>		
46	SENSOR, OIL PRESSURE	C4931169	20	PC				]			
47	NOZZLE PISTON COOLING	C3959291	24	PC							
48	TAPPET GUIDE	C4944725	48	PC							
49	MOTOR STARTER	C3415537	4	PC							
50	TURBOCHARGER	C4047354	4	PC							
51	INJECTOR	C3975929	24	PC							
52	CONNECTOR, MALE	3936953	24	PC							
53	CAMSHAFT	C3976620	1	PC							
54	GEAR, CAMSHAFT	C3918777	1	PC				· ·			

					*	UNIT P	RICE FOR GOODS AND	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
ITEM NO.	DESCRIPTIO			UNIT	CODE	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = I x C )
(A)	(B)		{(	;)	(D)	(E)	(F)	(G)	(H)	(1)	(J)
55	CORE, COOLER	C3966365	4	PC							
56	FAN, ENGINE	C3911328	2	PC	<u> </u>						
57	PUMP, FUEL INJECTION	C5258154	1	PC							
58	PUMP, FUEL INJECTION	5336899	2	PC							
59	PUMP, FUEL LIFT	C3415661	3	PC							
60	TUBE, FUEL DRAIN	C3415562	4	PC							
61	TUBE, FUEL DRAIN	C3971125	4	PC							
62	TUBE, FUEL SUPPLY	C3971124	4	PC							
63	TUBE INJECTOR FUEL SUP	C3976434	4	PC							
84	TUBE INJECTOR FUEL SUP	C3976433	4	PC							
65	MANIFOLD, EXHAUST	C3937477	4	PC							
86	MANIFOLD, EXHAUST	C3943841	4	PC		· <del></del>					
B7	PIPE, EXHAUST OUTLET	C3910994	4	PC	-						
68	HEAD, FUEL FILTER	C3971399	4	PC							
69	HEAD, FUEL FILTER	C4934663	4	PC							
70	TUBE, FUEL SUPPLY	C3971123	4	PC							
71	HEAD, LUBE OIL FILTER	C4936582	4	PC							
72	SWITCH, MAGNETIC	C3916302	10	PC		- · · · · -		1			
73	THERMOSTAT	C3968559	4	PC				1			
74	ALTERNATOR	C3415691	4	PC	† — — — — — — — — — — — — — — — — — — —		- · · · - · ·	1			
75	VALVE CROSSHEAD	C3943445	48	PC	···-			1			
76	ROCKER LEVER ASSY	C3972540	24	PC	1						
77	SENSOR, SPEED	C3971994	20	PC	1						
78	SUPPORT, FAN	C3415603	4	PC	i		İ	·			
79	PULLEY, FAN	C3926855	4	PC		<u> </u>					
80	DAMPER, VIBRATION	3967014	4	PC		· ·	-				
81	PULLEY, CRANKSHAFT	C3943978	- 4	PC		-	···				
82	PUMP, LUBRICATING OIL	C4941464	4	PC	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	<del>-</del>		<del></del>		
83	CRANKSHAFT, ENGINE	C3976841	1	PC	·					·	
84	SUPPORT, CAMSHAFT THRUST	C3944001	<del>                                     </del>	PC		j		i	· <del></del> -		

					•	UNIT PI	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	,IVERED	TOTAL PRICE		
ITEM NO.	DESCRIPTION				QIYUNII C		C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = I x C )
(A)	(8)		(D)	(E) (F) (G) (H)			(1)	(1)					
85	ASSEMBLY, ROCKER LEVER	C5253887	24	PC									
86	CONNECTING ROD ASSEMBLY	3979744	24	PC									
87	SCREW, HEX FLANGE HEAD CA	C3980043	104	PC									
68	HEAD, CYLINDER	C4936714	4	PC			~				<b></b>		
89	CAP, MAIN BEARING	C3970955	28	PC							<del></del> -		
90	CONNECTION, AIR INTAKE	C3926519	4	PĊ			<del></del>						
91	CONNECTION, AIR INTAKE	C3943613	4	PC						<u></u>			
92	HEATER, INTAKE AIR	C4940600	4	PC									
93	PIPE, AIR TRANSFER	C3883977	4	PC	ļ						····		
94	PAN, OIL	C3944258	2	PC			<u></u>			<u></u>			
95	CONNECTION, OIL SUCTION	3964028	2	PC									
96	CLAMP, INJECTOR	C3940639	24	PC									
97	CONNECTOR, WATER INLET	C3944720	4	PC									
98	CONNECTION, WATER OUTLET	C3944429	4	PC									
99	RADIATOR	N/A	5	ASSY									
100	SPEED CONTROLLER	\$6700H	3	PC									
						<u> </u>							
	TOTAL						(Amount in Won				P		
							(Autount in vvon	usj	<del>-</del>		Country of Origin		
*	Bidders shall enter a code representing the Country of Origin of all imported												

Bidders shall enter a code representing the Country of Origin of all Imported
equipment materials and accessories

Note:	Final delivery site	of spare parts shall be at Nationa	I Power Corporation,	MQNLOD Office, Minuyan,	San Joes Del Monte City, Bulacai
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Name of Bidder:		
Name of Bidder:	 	
Signature of Bidder:		

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equipment, materials and accessories

Cost of equipment, freight, insurance, etc. up to Phit, 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

# ( Bid Price Schedule )

					•	UNIT PE	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
ITEM NO.	DESCRIPTION	N	QTY	UNIT	C O D E	Total Price of Goods Delivered up to Philippine Port (Phil. Peso)+	Delivered up to Philippine Port Govt.  Levies Imposed by Phil. other Taxes Imposed by Port to Delivery Site Philippine Port Govt.  Philippine Port Philippine				
(A)	(B)		(C	)	(D)	(E)	(F)	(G)	(H)	(f)	(J)
	PACKAG	E III / PR NO. \$1-MQI	N24-005								
1	UPPER ENGINE GASKET SET	3803598	7	PÇ			<u>,                                      </u>		. <del></del> _ <del></del>		<del></del>
2	COLLET, VALVE	205091	96	PC							
3	RETAINER, VALVE SPRING	205094	48	PC							
4	INSERT, VALVE EXHAUST	205093	36	PC						· <b></b>	
5	INSERT, VALVE INTAKE	3026296	36	PC						, <u>.</u>	<u> </u>
В	VALVE, EXHAUST	3035110	36	PC	_					_	
7	VALVE, INTAKE	207241	36	PC							
В	SEAL, O RING	3010510	84	PC							
9	SEAL, O RING	193736	84	PC			<u></u>				·
10	SEAL, O RING	205216	84	PC			<u> </u>				
11	ROD, PUSH	205492	36	PC				<u> </u>		· · · · · · · · · · · · · · · · · · ·	
12	PUSH ROD	3017961	18	PC							
13	GUIDE, VALVE SPRING	3001663	72	PC							
14	GUIDE, VALVE CROSS	205169	36	PC	_						
15	GUIDE, VALVE STEM	3201311	72	PC							
16	TUBE, WATER TRANSFER	207378	3	PC							
17	GASKET, ADAPTER	3202259	3	PC						·	
18	GASKET, OIL PAN	3042589	3	PÇ			ļ				
19	GASKET, OIL PAN	3042590	3	PC			İ				
20	RING SET, PISTON	4089500	42	PC			<u> </u>				
21	BEARING, CONNECTING ROD	205840	84	PC							
22	BUSHING	3043909	42	PC							" <del></del>
23	LOWER ENGINE GASKET SET	3801007	4	PC							
24	KIT, LINER	3028434	24	PC			J	1			

					•	UNIT P	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
NO.	DESCRIPTIO	<b>N</b>	QTY	UNIT	C O D	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = 1 x C )
(A)	(B)		(C	}	(D)	(E)	(F)	(G)	(H)	(1)	(J)
25	BUSHING	3004686	4	PC							
26	BEARING, MAIN SHELL	AR12270	4	PC		<u></u>					
27	SCREW, SLOTTED SET	168306	72	PC							
28	BUSHING	132770	8	PC							
29	BUSHING	205133	4	PC							
30	SEAL, REAR OIL CRANKSHAFT	AR10591	4	PC							
31	SEAL, RECTANGULAR RING	3096260	4	PC							
32	SEAL, THERMOSTAT	186780	8	PC							
33	GASKET, LUBE OIL FILTER	3200977	4	PC							
34	PISTON ENGINE KIT	3631244	24	PC	1				· -		
35	BUSHING	3002834	28	PC		-					
36	HUB, TIMING	3007111	4	PC							•
37	SPRING, VALVE	205208	96	PC						-7	
38	PULLEY, ALTERNATOR	3002323	4	PC						··· · ·	
39	CAP, MAIN BEARING	205021	8	PC PC			<u> </u>				
40	CAP, MAIN BEARING	205022	2	PC							
41	CAP, MAIN BEARING	205023	2	PC							
42	CAP, MAIN BEARING	205075	2	PC		Ü.					
43	SCREW, TWELVE POINT CAP	3025482	28	PC							
44	NOZZLE, PISTON COOLING	3200936	12	PC							
45	GEAR, IDLER	3004680	2	PC							·
46	CRANKSHAFT	3418910	1	PC							<del></del> -
47	LEVER, ROCKER	3065810	24	PC							
48	FOLLOWER, CAMSHAFT	AR10627	24	PC							
49	PUMP, LUBRICATING OIL	3047649	4	PC						_	
50	COVER, ROCKER ARM HSG	3047710	12	PC				<del> </del>			
51	DAMPER, VIBRATION	217322	4	PC				·			
52	PULLEY, CRANKSHAFT	3003696	2	PĊ	<b> </b>					7-	
53	SWITCH, PRESSURE	3056344	20	PC	<u> </u>						
54	SWITCH, TEMPERATURE	3056353	20	PC	<b></b> _						

-					•	UNIT PI	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
ITEM NO.	DESCRIPTIO	DESCRIPTION QTY UNIT		C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = I x C )	
(A)	(B)		(0	;}	(D)	(E)	(F)	(G)	(H)	(0)	(J)
55	ALTERNATOR	3016627	4	PC							
56	SWITCH, MAGNETIC	3050692	10	PC					, <u></u> -		
57	HUB, FAN	3002233	4	PC					. <u> </u>		
58	LEVER, IDLER	3033957	4	PC							
59	PULLEY, IDLER	3009639	4	PC							. <u></u>
60	ABSORBER, IDLER ARM	3201022	4	PC							
61	HEAD, FUEL FILTER	3418763	4	PC							
62	HOSE, FLEXIBLE	A\$10018	4	PC							
63	HO\$E, FLEXIBLE	AS6029SS	6	PC							
64	HOSE, FLEXIBLE	AS6050SS	6	PC							
65	HOSE, FLEXIBLE	AS16025NF	6	PC							
66	HOSE, FLEXIBLE	215195	6	PC							
67	HOSE, FLEXIBLE	AS10018SS	6	PC							
68	PICKUP, MAGNETIC	3034572	10	PC		· <b></b>					
69	CONTROL, GOVERNOR	3044195	4	PC							
70	DRIVE, ACCESSORY	3016734	4	PC	<u> </u>						<u></u>
71	PUMP, FUEL	3059651	4	PC		1	1				
72	VALVE, SHUTOFF	3018453	4	PC		 					
73	MANIFOLD, FUEL	AR45224	4	PC	1	1					
74	TUBE, FUEL ORAIN	3200406	4	PC							
75	TUBE, FUEL	3200885	4	PC							
76	TUBE, FUEL SUPPLY	3201115	8	PC							
77	TUBE, FUEL DRAIN	3201736	4	PC	1	<u> </u>	· <b>-</b> /			.,	
78	VALVE, CHECK	178079	4	PC							
79	VALVE, CHECK	185505	4	PC							
80	THERMOSTAT HOUSING	3065803	4	PC							
81	THERMOSTAT	201737	8	PC	<u> </u>						
82	LUBE OIL FILTER HEAD	3200965	4	PC							
83	ADAPTER, FILTER HEAD	3034578	8	PC							
84	HEAD, LUBE OIL FILTER	3004173	4	PC			·				

					•	UNIT P	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
ITEM NO.	DESCRIPTION			QTY UNIT		Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J=IxC)
(A)	(B)		(0	)	(D)	(E)	(F)	(G)	(H)	(0)	(J)
85	PAN, OIL	AR12034	2	PC							
88	CAMSHAFT	3028959	2	PC	ļ						
87	CORE, AFTERCOOLER	3001290	4	PC							
88	HEAD, CYLINDER	3021692	18	PC							
89	CYLINDER HEAD MOUNTING	3013962	24	PC							
90	INJECTOR	3016676	24	PC							
91	TURBOCHARGER	3523850	4	PC							
92	HOUSING, ROCKER	3200499	20	PC							
93	HOUSING, ROCKER	3200490	4	PC							
94	MOTOR, STARTING	3021038	4	PC							
95	CONNECTION, AIR CROSSOVER	3016139	4	PC							
96	COOLER, ENGINE CAST	3201155	4	PC							
97	CORE, COOLER	3023079	8	PC							
98	TUBE, WATER BYPASS	3011224	4	PC							
99	CONNECTION, WATER OUTLET	AR45710	4	PC							
100	PUMP, WATER	3011389	4	PC							
101	SHAFT, WATER PUMP	3025885	4	PC	_					_	
102	CONNECTION, EXHAUST OUTLET	3026237	4	PC							
103	FAN, ENGINE	3037710	2	PC							
104	SPACER, FAN	167233	2	PC							
105	SPACER, FAN	3045665	2	PC							
106	MANIFOLD, EXHAUST	205188	8	PC							
107	MANIFOLD, EXHAUST	207176	4	PC							
108	ROD, ENGINE CONNECTING	3418553	24	PC							<del></del>
109	RADIATOR ASSEMBLY	N/A	2	ASSY							
			<u> </u>					<u> </u>			
	TOTAL						(Amount in Wor	ds)			₽

				UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND D					BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
ITEM NO.	DESCRIPTION	QTY UNIT	C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J=IxC)		
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	Ø	(J)		

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

Final delivery site of spare parts shall be at National Power Corporation, MQNLOD Office, Minuyan, San Joes Del Monte City, Bulacan

lame of Bidder:			
lignature of Bidder:	 	 	

# ( Bid Price Schedule )

	<del>!!=</del>		-			. UNIT P	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
ITEM NO.	DESCRIPTION		QTY	UNIT	C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = I x C )
(A)	(8)		(C	)	(O)	(E)	(F)	(G)	(H)	(6)	(J)
	PACKAGE	IV / PR NO. S1-MQ	N24-006								
1	GASKET KIT, UPPER ENGINE	4352580	12	PÇ							*
2	COLLET VALVE	205091	192	PC					·		·
3	RETAINER, VALVE SPRING	205094	96	PC					<u></u> .		
4	VALVE, INTAKE	207241	48	PC			·				
5	VALVE, EXHAUST	3035110	48	PC							
6	INSERT VALVE, EXHAUST	206093	48	PC		_					
7	INSERT VALVE, INTAKE	3026298	48	PC						·	
8	SEAL, O RING	3010510	144	PC							
9	SEAL, O RING	193736	144	PC							
10	SEAL, O RING	205216	144	PC			ì				
i1	SEAL, DUST	3088371	24	PC	<u> </u>						
12	PUSH ROD	3017961	24	PC							
13	ROD, PUSH	205492	48	PC	1						
14	RING, RETAINER	205439	48	PC	1						
15	GUIDE, VALVE SPRING	3001663	96	PC							
16	GUIDE VALVE CROSS	205169	48	PC	_						
17	GUIDE VALVE STEM	3201311	96	PC							
18	GASKET, OIL PAN	3043211	6	PÇ							
19	GASKET, OIL PAN	3043212	- 6	PC	1						
20	RING, COMPRESSION PISTON	3070589	72	PC			1				
21	RING, OIL PISTON	3090450	72	PC			]				
22	RING, COMPRESSION PISTON	3090460	72	PC							
23	BEARING, CONNECTING ROD	3047390	144	PC							
24	BUSHING, CONNECTING ROD	3043909	24	PC							

				•		UNIT P	RICE FOR GOODS AND	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
NO.	DESCRIPTION	I	QTY UNIT		C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J=IxC)
(A)	(B)		(0	:)	(D)	(E)	(F)	(G)	(H)	(4)	(J)
25	LINER, CYLINDER	3006089	72	PC	1					<u> </u>	
26	SHELL, MAIN BEARING	AR45264	6	PC				.,		:	
27	GASKET, WATER PUMP	206193	6	PC					· · · · · · · · · ·		- '
28	GASKET, WATER PUMP	208455	6	PC							
29	SEAL, O RING	206457	6	PC							
30	SEAL, OIL	3016787	6	PC	T			• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·		:
31	GASKET, GEAR COVER	3177160	6	PC	1				•		
32	BUSHING	132770	12	PC	İ						
33	BUSHING	205133	6	PC			<u> </u>			<del></del>	
34	BUSHING	205683	6	PC	·		1	<u> </u>	<del></del>		
35	SEAL, OIL	3628895	6	PC			-	, <del></del>			
36	GASKET, GEAR HOUSING	3178076	6	PC		.,			:	,	
37	GASKET, SEAL RETA	205571	6	PC	1		· ·- ·- · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
38	SEAL, OIL	3082142	6	PC	1	-	:				
39	GASKET, REAR GEAR	3005940	6	PC	<u> </u>		·	m.v	· · · · · ·		<del>-</del>
40	GASKET, FUEL PUMP	3069103	6	PC	<u> </u>			<del></del>			<del>-</del>
41	SEAL, O RING	145600	6	PC							· · · · · · · · · · · · · · · · · ·
42	GASKET, FILTER HEAD	3177108	6	PC			·			·	
43	GA\$KET, FILTER HEAD	3829387	6	PC				· <b></b> ··			<del></del> -
44	'GASKET, LUB OIL J	3011651	6	PC				· <del></del>		-	<del></del> /
45	GASKET, HAND HOLE	3175856	6	PC				<del></del>			
46	PISTON ENGINE KIT	3036074	72	PC			<del></del>				
47	GASKET, WATER HEADER COVER	3009324	18	PC			<del></del>				
48	GASKET, WATER HEADER COVER		18	PC	-						
49	SPRING VALVE	205208	96	PC				· <del></del>			,
50	SCREW, TWELVE POINT CAP	205584	56	PC	1		· · · · ·	<del></del>			
51	CAP, MAIN BEARING	206587	10	PÇ		·	\				
52	CAP, MAIN BEARING	206588	4	PC				<u>-</u> -			
53	SCREW, HEXAGON HEAD CAP	3044578	28	PC			· <del>-</del>				
54	VALVE, PISTON COOLING	3179864	12	PC			<del></del> -	<del></del> -			

					*	UNIT P	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	.IVERED	TOTAL PRICE
NO.	DESCRIPTION	DESCRIPTION		QTY UNIT		Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil, Peso) ( J = I x C )
(A)	(B)		(0	:)	(D)	(E)	(F)	(G)	(H)	(1)	(J)
55	SHAFT, IDLER	3178450	4	PC		-					
56	SHAFT, IDLER	3033853	4	PC					-		
57	SUPPORT, BEARING	3000138	4	PC	<u> </u>						
58	SUPPORT, BEARING	3175281	4	PÇ	<u> </u>						
59	GEAR, IDLER ASSY	3004681	4	PĊ							
60	ASSY, ROCKER LEVER	3176363	24	PC			***				
61	LINK, INJECTOR PL	205482	48	PC							
62	RING, INJECTOR SMALL END	207244	48	PC							
63	CLAMP, INJECTOR	3006696	48	PC				· - · · j			
64	LEVER, CAM FOLLOWER	3039163	48	PC				i			
65	LEVER, CAM FOLLOWER	3039154	96	PC				ii			-,,
66	VALVE, PRESSURE RELIEF	AR11475	4	PC					· <del>-</del> ·		
67	PUMP, LUBRICATING OIL	AR12387	4	PC		•					
68	COOLER, LUBE OIL	3022692	12	PC	1				•		
69	SUPPORT, WATER PUMP	3024194	4	PC						•	- <b></b> -
70	PUMP, WATER	3050445	4	PC						,	
71	GEAR, IDLER ASSY	3004582	4	PC	İ		· · · · · · · · · · · · · · · · · · ·				
72	CONNECTION, WATER INLET	3001712	4	PC							- ·- ·
73	HOSE, TURBO OIL SUPPLY	3176379	8	PC				·			
74	UNION, TURBO OIL SUPPLY HOSE	3176592	8	PC			· <del></del>				
75	MANIFOLD, FUEL LH	3019581	8	PC					· · · · · · · · · · · · · · · · · · ·		
76	MANIFOLD, FUEL RH	3019582	8	PC			,				
77	CONNECTION, FUEL BLOCK	3176708	8	PC						<del></del>	_
78	CONNECTION, FUEL BLOCK	3176709	8	PC						<del></del> -	
79	TUBE, FUEL SUPPLY	3176710	16	PC				·			
80	INDICATOR, RESTRICTION	178957	В	PC			·· <del>-</del>				
81	PULLEY, CRANKSHAFT	4060694	2	PC							
82	ADAPTER, CRANKSHAFT	3031736	2	PC							
83	SPACER, CRANKSHAFT	3037239	2	PC	-		<del></del>	[ <del></del>			
84	DAMPER, VIBRATION	3416998	4	PC	-					· · · · · · · · · · · · · · · · · · ·	

					*	UNIT P	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	.(VERED	TOTAL PRICE	
ITEM NO.	I DESCRIPTION		DESCRIPTION QTY UNIT		C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = 1 x C )	
(A)	(B)		(0	:)	(D)	(E)	(F)	(G)	(H)	Ø	(J)	
85	TRANSDUCER, TEMPERATURE	3015238	8	PC								
86	TRANSDUCER, PRESSURE	3165752	4	PC				ĺ				
87	HARNESS, WIRING	3165775	4	PC	!							
88	SWITCH, PRESSURE	3056344	20	PC								
89	SWITCH, TEMPERATURE	3056353	20	PC		,						
90	(PICK UP, MAGNETIC	3034572	20	PC								
91	PULLEY, ALTERNATOR	3014711	4	PC								
92	ALTERNATOR	3016627	4	PC								
93	FAN IDLER ASSEMBLY	3016344	4	PC								
94	FAN HUB	4060703	4	PC								
95	HEAD, FUEL FILTER	3032630	4	PC						<u> </u>		
96	HOSE, FLEXIBLE	3175810	4	PC		<del></del>					·	
97	COVER, REAR	207547	4	PC								
98	FUEL PUMP TLN	3165400	4	PC						,,		
99	CONTROL, GOVERNOR	3044196	4	PC			-· <u>-</u>					
100	HARNESS, WIRING	3063683	4	PC				<del></del>				
101	SUPPORT, FUEL PUMP	3022725	4	PC	, ·							
102	CONNECTION FUEL BLOCK	3177629	4	PÇ	,							
103	TUBE, FUEL SUPPLY	3178525	4	PC		<u> </u>						
104	VALVE, SHUTOFF	3017993	4	PC								
105	HEAT EXCHANGER	3165765	4	PC		-					<u></u>	
106	TUBE, RADIATOR FILL LOWER	3003885	4	PC			<u>-</u>					
107	TUBE, RADIATOR FILL LOWER	3003909	4	PC					-			
108	TUBE, WATER INLET	3165707	4	PC			-		<u> </u>			
109	TUBE, WATER OUTLET	4060677	8	PC								
110	FAN, ENGINE	3165799	4	PC		· · · · · · · · · · · · · · · · · · ·						
111	CONNECTION, AIR INTAKE	3013114	8	PC				_				
112	MANIFOLD, AIR INTAKE	3019030	8	PC	ĺ							
113	MANIFOLD, AIR INTAKE	3019031	8	PC					,			
114	PLUNGER, PRS REGULATOR	3021618	4	PC		-						

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					•	UNIT P	RICE FOR GOODS AND	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
NO.	DESCRIPTION	DESCRIPTION		UNIT	C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = I x C )
(A)	(B)		(0	(¢)		(E)	(F)	(G)	(H)	(1)	(J)
115	HEAD, LUB OIL FILTER	3178474	4	PC							
116	HEAD, LUB OIL FILTER	3176127	4	PC							
117	ROD, ENGINE CONNECTING	3419120	24	PC							
118	HEAD, CYLINDER	3021692	15	PC							
119	SCREW, CROSSHEAD ADJUST	3032697	96	PC							
120	NUT, HEAVY HEAXAGON	203131	96	PC							
121	CROSSHEAD, VALVE	3048620	96	PC							
122	HOUSING, ROCKER LEVER	3629537	4	PC							
123	HOUSING, ROCKER LEVER	3202197	4	PC							
124	HOUSING, ROCKER LEVER	3202193	40	PC							
125	CAMSHAFT R.B.	AR12404	2	PC							
126	CAMSHAFT L.B.	AR12405	2	PC							
127	INJECTOR	3052255	48	PC							
128	TURBOCHARGER	3594040	8	PC							
129	PULLEY, ACCESSORY DRIVE	3015546	2	PC.	<u> </u>		<b>_</b>				
130	MOTOR, STARTING	3010125	8	PC							
131	HEAD, CORROSION RESISTOR	3175452	8	PC							
132	CONNECTION, WATER INLET	207538	4	PC							
133	TUBE, WTR TRANSFER LB	3005118	4	PC							
134	TUBE, WATER BYPASS	3028483	4	PC							
135	TUBE, WATER TRANSFER	3040881	4	PC							
136	TUBE, WATER TRANSFER	AR12428	40	PC							
137	THERMOSTAT	3076489	8	29							
138	HOUSING, THERMOSTAT	AR11501	4	PC							
139	MANIFOLD, EXHAUST	3028235	8	PC							
140	MANIFOLD, EXHAUST	3028237	8	PC							
141	MANIFOLD, EXHAUST	3630261	В	PC							
142	ASSY, MUFFLER	3418930	2	PC							
143	GASKET, TURBOCHARGER	106322	8	PC							
144	CONNECTION, EXHAUST OUTLET	203555	8	PC							

		DESCRIPTION		QTY UNIT C D D E		" UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED							
ITEM NO.	DESCRIP					QTY UNIT		QTY UNIT		Total 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)<
(A)	(B)		(C	)	(D) (E) (F) (G) (H) (I)	(1)	(J)						
145	CONNECTION, TURSO	3025447	θ	PC					***				
146	RADIATOR ASSEMBLY	N/A	2	ASSY									
147	SWITCH, MAGNETIC	3050692	20	PC									
TOTAL										P			
		· · · · ·				(Amount in Words)					<u></u>		
•	Bidders shall enter a code rep	resenting the Country of	f Origin of all Import	ed					Code		Country of Origin		

Bidders	shall enter a code representing the Country of Origin of all Imported	
eguipm	ent, malerials 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 site of spa	are parts shall be at National I	Power Corporation	, MQNLOD Office, Minu	wan, San Joes Del Monte City	r. Bulacan
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Name of Bidder:		<u> </u>
Signature of Bidder:		

### ( Bid Price Schedule )

		·			*	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					Local Currency (Phill. Peso) (J=1xC)  (J)
ITEM NO.	DESCRIPTION		QTY	QTY UNIT C O D E		Total 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 (Phil. Peso) ( E+F+G+H )	(Phil. Peso)
(A)	(6)		(C	(C)		(E)	(F)	(G)	(H)	(1)	(1)
	PACKAGE V	V / PR NO. S1-MQN	24-007								
1	GASKET SET, UPPER ENGINE	4089360	8	PC							
2	SEAL, VALVE STEM	4007185	192	PC							
3	VALVE, INTAKE	4007179	24	PC							
4	VALVE, EXHAUST	4007180	24	PC.							
5	WEARPLATE, VALVE SPRING	4007182	48	PC							
6	RETAINER, VALVE SPRING	4007183	48	PC						. <b>_</b> ,,,_	
7	INSERT, VALVE EXHAUST	4006184	24	PC							
8	INSERT, VALVE INTAKE	4095988	24	PC							
9	ROD, PUSH	4095506	24	PC	· · ·						
10	ROD, PUSH	4095511	12	PC							
11	GUIDE, VALVE CROSSHEAD	4006186	24	PC							
12	GUIDE, VALVE STEM	4096488	48	PC							
13	BEARING SET, CONNECTING ROD	4095985	18	PC							
14	RING SET, PISTON	4025382	18	PC							
15	GASKET SET, LOWER ENGINE	4089361	3	PC							
16	GASKET, AFT HOUSING	4095448	3 _	PC							
17	GASKET, CONNECTION	4095450	3	PC							
18	BUSHING	4095457	21	PC							
19	GASKET, PLATE COVER	4095690	3	PC							
20	SEAL, FRONT COVER	4096869	3	PC							
21	SEAL, DUST	4096670	3	PC							
22	BEARING SET, MAIN	4095973	21	PC							

					•	UNIT P	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	TOTAL PRICE
NO.	DESCRIPTIO	N	QTY	UNIT	C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) (J=IxC)
(A)	(B)		(0	)	(D)	(E)	(F)	(G)	(H)	(1)	(J)
23	SEARING SET, THRUST	4095983	3	PC							
24	KIT, CYLINDER LINER	4089364	18	PC							
25	SEAL, OIL	4095640	3	PC							
26	SEAL, OIL	4095800	3	PC							
27	KIT, ENGINE PISTON	4089357	18	PC							
28	COVER, AFTERCOOLER	4095447	2	PC							
29	ALTERNATOR	4095421	2	PC							
30	DAMPER, VIBRATION	4095438	2	PC							
31	NOZZLE, PISTON COOLING	4095460	12	PC							
32	CAMFOLLOWER, ASSY (TLA)	4095567	12	PC							
33	COOLER, OIL	4096086	4	PC							-
34	THERMOSTAT	4095524	2	PC							
35	SEAL, THERMOSTAT	4095526	2	PC							
36	SEAL, ORING	4095541	8	PC							
37	SEAL, ORING	4095542	4	PC						_	
38	SEAL, ORING	4095898	4	PC							
39	CORE, COOLER	4096005	2	₽C							
40	TUBE, WATER TRANSFER	4095958	2	PC		1			•		
41	PULLEY, FAN	4096002	2	PC							
42	TENSIONER, BELT	4096342	2	PC							
43	HUB, FAN	4096000	2	PC							
44	DRIVE, FUEL PUMP	4096329	2	PC							
45	HEAD, FUEL FILTER	4096666	2	PC							
46	HEAD, LUBE OIL FILTER	4096180	4	PC							
47	TUBE, FUEL TRANSFER	4095637	2	PC							
48	TUBE, FUEL SUPPLY	4095609	2	PC							
49	HEAD, CYLINDER	4096555	8	PC							
50	VALVE SPRING	3639621	48	PC							
51	GEAR, IDLER	4096764	2	PC							
52	SCREW, TWELVE POINT HEAD	4006200	84	PC							

					•	UNIT PI	RICE FOR GOODS AND I	RELATED SERVICES TO	BE SUPPLIED AND DEL	IVERED	Local Currency (Phil. Peso) ( J = l x C )
ITEM NO.	DESCRIPTION	·	QTY	UNIT	C O D E	Total 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 (Phil. Peso) (E+F+G+H)	(Phil, Peso)
(A)	(B)		(B) (C)	)	(D)	(E)	(F)	(G)	(H)	(1)	(J)
53	SCREW, TWELVE POINT CAP	4006201	24	PC			, ,				
54	CROSSHEAD, VALVE	4095441	24	PC	<b> </b>						
55	LEVER, ROCKER EXHAUST	4095967	12	PC							
56	LEVER, ROCKER INTAKE	4095968	12	PC	Ī						
57	INJECTOR LEVER, ROCKER	4096490	12	PC							
58	SENSOR, PRESSURE	2872254	10	PC							
59	SENSOR, PRESSURE	3408587	20	PC					-		
60	ACTUATOR, ETR FUEL CONTROL	3347905	2	PC					,		
61	ACTUATOR, ETR FUEL CONTROL	3347907	2	PÇ					,		
62	SENSOR, PRESSURE	3408583	10	PC	1	-			,		,
63	SENSOR, PRESSURE	3408585	10	PC							
64	SENSOR, TEMPERATURE	4954905	20	PC	1	"			,		
65	SENSOR, TEMPERATURE	4088832	10	PC	1						
66	SENSOR, PRESSURE	4902720	10	PC							
67	MOTOR, STARTING	4096443	2	PC							
68	HARNESS, WIRING	4096434	2	PG			1		,		
69	ROD, CONNECTING	4096475	12	PC							
70	PUMP, FUEL	4087997	2	PC							
71	SENSOR, PRESSURE	3408577	2	PC						-1-1-1-1-1	
72	SUPPORT, FUEL PUMP	4095606	2	PC							
73	PUMP, LUBRICATING OIL	4095431	2	PC							
74	WATER PUMP	4096429	2	PC							
75	RESISTOR HEAD, CORROSION	4095766	2	PC							
76	CRANKSHAFT PULLEY	4095499	2	PC							
77	CAMSHAFT	4095508	1	PC							
78	INJECTOR	4088431	10	PC							
79	KIT, TURBOCHARGER	4025150	3	PC							
80	MANIFOLD, EXHAUST	4095451	4	PC			<u> </u>				
81	MANIFOLD, EXHAUST	4095734	2	PC					-	·	

-..<u>=</u>-:..

					•	UNIT PRICE FOR GOODS AND RELATED SERVICES TO BE SUPPLIED AND DELIVERED					TOTAL PRICE
ITEM NO.		DESCRIPTION	QTY.	UNIT	C O D E	Total 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 (Phil. Peso) (E+F+G+H)	Local Currency (Phil. Peso) ( J = I x C )
(A)		(B)		C)	(D)	(E)	(F)	(G)	(H)	(i)	(J)
82	CONNECTION, WATE	ER TRANSFER 4095591	2	PC							
83	RADIATOR	N/A	1	ASSY							
-	TOTAL										₽
	IOIAL						(Amount in Wor	rds)			
	Made a shall aster a	code representing the Country of	Odele of all import	od			<del>_</del>		Code		Country of Origin

Bidders shall enter a code representing the Country of Origin of all imported
equipment, materials and accessories

Cost of equipment, insertals 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

ktodo:	Final delivery site of space parts shall be at National Power Corporation	i. MQNLOD Office	. Minuvan.	. San Joes Del Monte City	r. Bulacan

Name of Bidder:		
Signature of Bidder:	 	

PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

## **SECTION VIII**

# **BIDDING FORMS**

### **SECTION VIII - BIDDING FORMS**

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SECTION VIII - BIDDING FORMS

Standard Form No: NPCSF-GOODS-01

#### Checklist of Technical & Financial Envelope Requirements for Bidders

#### A. THE 1<sup>ST</sup> ENVELOPE (TECHNICAL COMPONENT) SHALL CONTAIN THE FOLLOWING:

- 1. ELIGIBILITY DOCUMENTS
  - a. (CLASS A)
  - Any of the following:
    - PhilGEPS Certificate of Registration and Membership under Platinum Category (all pages) in accordance with Section 8.5.2 of the IRR;

#### Note:

- The failure by the prospective bidder to update its Certificate with the current and updated Class "A" eligibility documents shall result in the automatic suspension of the validity of its Certificate until such time that all of the expired Class "A" eligibility documents has been updated.
- Statement of all its ongoing government and private contracts if any, whether similar or not similar in nature and complexity to the contract to be bid(NPCSF-GOODS-02)
- ➤ The Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, and whose value, adjusted to current prices using the Philippine Statistics Authority (PSA) consumer price index, must be at least 50% of the ABC (NPCSF-GOODS-03) complete with the following supporting documents:
  - 1. Certificate of Acceptance;
    - or Certificate of Completion;
    - or Official Receipt (O.R);
    - or Sales Invoice

(The Single Largest Completed Contract (SLCC) as declared by the bidder shall be verified and validated to ascertain such completed contract. Hence, bidders must ensure access to sites of such projects/equipment to NPC representatives for verification and validation purposes during post-qualification process.

It shall be a ground for disqualification, if verification and validation cannot be conducted for reasons attributable to the Bidder.)

▶ Duly signed computation of its Net Financial Contracting Capacity (NFCC) at least equal to the ABC (NPCSF-GOODS-04) or Committed Line of Credit (CLC) at least equal to ten percent (10%) of the ABC, issued by a Universal or Commercial Bank; If the Bidder opted to submit a Committed Line of Credit (CLC), the bidder must submit a granted credit line valid/effective at the date of bidding.

#### b. (CLASS B)

- For Joint Venture (if applicable), any of the following:
  - Valid Joint Venture Agreement (NPCSF-GOODS-05)

#### OR

- Notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA, if awarded the contract
- Certification from the relevant government office of their country stating that Filipinos are allowed to participate in their government procurement activities for the same item/product (For foreign bidders claiming eligibility by reason of their country's extension of reciprocal rights to Filipinos)

#### 2. Technical Documents

- Bid Security, any one of the following:
  - Bid Securing Declaration (NPCSF-GOODS-06c)

OR

 Cash or Cashier's/Manager's check issued by a Universal or Commercial Bank – 2% of ABC;

OR

 Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: (NPCSF-GOODS-06a) -2% of ABC;

OR

- Surety Bond callable upon demand issued by a reputable surety or insurance company (NPCSF-GOODS-06b) -5% of ABC, with
  - Certification from the Insurance Commission as authorized company to issue surety
- Duly signed, completely filled-out and notarized Omnibus Sworn statement (Revised) (NPCSF-GOODS-07), complete with the following attachments:
  - For Sole Proprietorship:
    - Special Power of Attorney
  - For Partnership/Corporation/Cooperative/Joint Venture:
    - Document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)
- Data and Information to be submitted with the Bid/Proposal as specified in the Clause TS-5.0 of Section VI - Technical Specifications (if any or if applicable)
- Complete eligibility documents of the proposed subcontractor, if any

# B. THE 2<sup>ND</sup> ENVELOPE (FINANCIAL COMPONENT) SHALL CONTAIN THE FOLLOWING:

- Duly signed Bid Letter indicating the total bid amount in accordance with the prescribed form (NPCSF-GOODS-08)
- Duly signed and completely filled-out Schedule of Requirement(Section VII) indicating the unit and total prices per item and the total amount in the prescribed Price Schedule form.
- For Domestic Bidder claiming for domestic preference:
  - Letter address to the BAC claiming for preference
  - Certification from DTI as Domestic Bidder in accordance with the prescribed forms provided

#### **CONDITIONS:**

- Each Bidder shall submit one copy of the first and second components of its Bid. NPC may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.
- In the case of foreign bidders, the eligibility requirements under Class "A" Documents (except for Tax Clearance) may be substituted by the appropriate equivalent documents, if any, issued by the country of the foreign bidder concerned. The eligibility requirements or statements, the bids, and all other documents to be submitted to the BAC must be in English. If the eligibility requirements or statements, the bids, and all other documents submitted to the BAC are in foreign language other than English, it must be accompanied by a translation of the documents in English. The documents shall be translated by the relevant foreign government agency, the foreign government agency authorized to translate documents, or a registered translator in the foreign bidder's country; and shall be authenticated by the appropriate Philippine foreign service establishment/post or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines.
  - These documents shall be accompanied by a Sworn Statement in a form prescribed by the GPPB stating that the documents submitted are complete and authentic copies of the original, and all statements and information provided therein are true and correct. Upon receipt of the said documents, the PhilGEPS shall process the same in accordance with the guidelines on the Government of the Philippines Official Merchants Registry (GoP-OMR).
- A Bidder not submitting bid for reason that his cost estimate is higher than the ABC, is required to submit his letter of nonparticipation/regret supported by corresponding detailed estimates. Failure to submit the two (2) documents shall be understood as acts that tend to defeat the purpose of public bidding without valid reason as stated under Section 69.1.(i) of the revised IRR of R.A. 9184.

#### List of All Ongoing Government and Private Contracts Including Contract Awarded But Not Yet Started

Business Name :		<del></del>					
			Bidder's Rok	9	a. Date Awarded	· · · · · · · · · · · · · · · · · · ·	
Name of Contract/ Project Cost	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Description %		b. Date Started c. Date of Completion or Contract Duration/ Date of Delivery	Value of Outstanding Works / Undelivered Portion	
Government							
				<del> </del>			
Private			· · · · · · · · · · · · · · · · · · ·				
				<del></del>			
			<del></del>	<u> </u>			
			<del></del>	<del></del>	<del> </del>		
	<u>L</u>			J	Total Cost		
			<del></del>		T WINDLE OF WARD		

The bidder shall declare in this form all his on-going government and private contracts including contracts where the bidder (either as individual or as a Joint Venture) is a partner in a Joint Venture agreement other than his current joint venture where he is a partner. Non declaration will be a ground for disqualification of bid.

Note: This statement shall be supported with the following documents for all the contract(s) stated above which shall be submitted during Post-qualification:

- 1. Contract/Purchase Order and/or Notice of Award
- 2. Certification coming from the project owner/client that the performance is satisfactory as of the bidding date.

Submitted by	:	(Printed Name & Signature)
Designation Date	:	

The Statement of the bidder's S	ngle Largest	t Completed Contract	(SLCC	) similar to the contract to be bid
			<b>,</b>	,

Business Name	:	
Business Address	:	

a Owner's Name		Contractor's F	Role	a Amount at Award	a. Date Awarded b. Contract Effectivity c. Date Completed	
b. Address c. Telephone Nos.	Nature of Work	Description	%	b.Amount at Completion c. Duration		
	u.					
		b. Address Nature of Work	a. Owner's Name b. Address Nature of Work	b. Address Nature of Work %	a. Owner's Name b. Address Nature of Work a. Amount at Award b. Amount at Completion	

- Notes:
   The bidder must state only one (1) Single Largest Completed Contract (SLCC) similar to the contract to be bid.
   Supporting documents such as any of the following: Certificate of Acceptance; or Certificate of Completion; or Official Receipt (O.R); or Sales Invoice for the contract stated above shall be submitted during Bid Opening.

Submitted by	:	
		(Printed Name & Signature)
Designation	:	
Date	: —	

#### **NET FINANCIAL CONTRACTING CAPACITY (NFCC)**

Α.	Summary of the Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis
	of the income tax return and audited financial statement for the immediately preceding
	calendar year are:

		Year 20
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

B.	The Net Financial	Contracting	Capacity	(NFCC)	based	on the	above	data is	s compute	30
	as follows:									

NFCC = [(Current assets minus current liabilities)  $\times$  15] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract for this Project.

Herewith	attache	ed is	certifie	ed true	сору	of	the	audited	financia	l statement,	stamped
"RECEIVE	ED" by	the B	IR or B	3IR auti	norized	CO	llectin	ig agent	for the i	mmediately	preceding
calendar v	vear.									•	,

NFCC = P

Submitted by:
Name of Supplier / Distributor / Manufacturer
Signature of Authorized Representative
Data .
Date:

#### JOINT VENTURE AGREEMENT

KNO	OW ALI	T WEN B.	Y THESE PRESENTS:		
				(civil status)	entered into by and between:, authorized representative of
				- and–	
_			, of legal age, <i>[c</i> a resident of	ivil status)	, authorized representative of
	urces a	nd efforts		ture to partic	oital, manpower, equipment, and other ipate in the Bidding and Undertaking of poration.
		NAME	OF PROJECT		CONTRACT AMOUNT
	Tha	t the capit	al contribution of each r	nember firm:	
		NAME	OF FIRM		CAPITAL CONTRIBUTION
1.				₽	
2.				₽	
Bidd	ling and	Undertak	ting of the said contract.		ally liable for their participation in the
do, do a	he Offic execute ling and ind if pe Tha	ial Represent and perfet lundertal resonally perfet this Joi	sentative/s of the Joint \ orm any and all acts ne \ king of the said contractors of the said contractors of the said power of the said power of the said th	/enture, and cessary and/ , as fully and substitution	and/or shall are granted full power and authority to or to represent the Joint Venture in the deffectively and the Joint Venture may and revocation.
-		-	ture of Authorized sentative		Name & Signature of Authorized Representative
-		Official L	Designation		Official Designation
•		Name	e of Firm		Name of Firm
			и	îtnesses	
1.				2.	

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

SUPPLY AND DELIVERY OF CUISOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MQNLOD PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

Standard Form Number: NPCSF-GOODS-06a

#### FORM OF BID SECURITY (BANK GUARANTEE)

WHEREAS, (Name of Bidder) (hereinafter called "the Bidder") has submitted his bid dated (Date) for the [name of project] (hereinafter called "the Bid").
KNOW ALL MEN by these presents that We (Name of Bank)  (Name of Country)  (hereinafter called "the Bank" are bound unto National Power Corporation (hereinafter called "the Entity") in the sum of [amount in words & figures as prescribed in the bidding documents] for which payment well and truly to be made to the said Entity the Bank binds himself, hi successors and assigns by these presents.
SEALED with the Common Seal of the said Bank this day of 20
THE CONDITIONS of this obligation are that:
<ol> <li>if the Bidder withdraws his Bid during the period of bid validity specified in the Bidding Documents; or</li> </ol>
<ol> <li>if the Bidder does not accept the correction of arithmetical errors of his bid price i accordance with the Instructions to Bidder; or</li> </ol>
<ol> <li>if the Bidder, having determined as the LCB, fails or refuses to submit the required ta clearance, latest income and business tax returns and PhilGEPs registration certificat within the prescribed period; or</li> </ol>
4) if the Bidder having been notified of the acceptance of his bid and award of contract the him by the Entity during the period of bid validity:
a) fails or refuses to execute the Contract; or
b) fails or refuses to submit the required valid JVA, if applicable; or
<ul> <li>c) fails or refuses to furnish the Performance Security in accordance with th Instructions to Bidders;</li> </ul>
we undertake to pay to the Entity up to the above amount upon receipt of his first writte demand, without the Entity having to substantiate its demand, provided that in his demand the Entity will note that the amount claimed by it is due to the occurrence of any one or combination of the four (4) conditions stated above.
The Guarantee will remain in force up to 120 days after the opening of bids or as it may be extended by the Entity, notice of which extension(s) to the Bank is hereby waived. Any deman in respect of this Guarantee should reach the Bank not later than the above date.
DATE SIGNATURE OF THE BANK
WITNESS SEAL
(Signature, Name and Address)

SUPPLY AND DELIVERY OF CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MQNLOD PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

Standard Form Number: NPCSF-GOODS-06b

#### FORM OF BID SECURITY (SURETY BOND)

BOND	NO.: DATE BOND EXECUTED:
of Sure transac unto N (amous payme	s bond, We ( <u>Name of Bidder</u> ) (hereinafter called "the Principal") and ( <u>Name of Verty</u> ) of ( <u>Name of Country of Surety</u> ), authorized to ct business in the Philippines (hereinafter called "the Surety") are held and firmly bound lational Power Corporation (hereinafter called "the Employer") as Obligee, in the sum of <u>nt in words &amp; figures as prescribed in the bidding documents</u> ), callable on demand, for the ent of which sum, well and truly to be made, we, the said Principal and Surety bind was, our successors and assigns, jointly and severally, firmly by these presents.
SEALE	ED with our seals and dated this day of 20
WHER	REAS, the Principal has submitted a written Bid to the Employer dated the day of 20, for the (hereinafter called "the Bid").
NOW,	THEREFORE, the conditions of this obligation are:
1)	if the Bidder withdraws his Bid during the period of bid validity specified in the Bidding Documents; or
2)	if the Bidder does not accept the correction of arithmetical errors of his bid price in accordance with the Instructions to Bidder; or
3)	if the Bidder, having determined as the LCB, fails or refuses to submit the required tax clearance, latest income and business tax returns and PhilGEPs registration certificate within the prescribed period; or
4)	if the Bidder having been notified of the acceptance of his bid and award of contract to him by the Entity during the period of bid validity:
	d) fails or refuses to execute the Contract; or
	e) fails or refuses to submit the required valid JVA, if applicable; or
	f) fails or refuses to furnish the Performance Security in accordance with the

then this obligation shall remain in full force and effect, otherwise it shall be null and void.

PROVIDED HOWEVER, that the Surety shall not be:

Instructions to Bidders;

- a) liable for a greater sum than the specified penalty of this bond, nor
- b) liable for a greater sum that the difference between the amount of the said Principal's Bid and the amount of the Bid that is accepted by the Employer.

BID DOCUMENTS
SECTION VIII - BIDDING FORMS

SUPPLY AND DELIVERY OF CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MQNLOD PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

Standard Form Number: NPCSF-GOODS-06b

Page 2 of 2

This Surety executing this instrument hereby agrees that its obligation shall be valid for 120 calendar days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Surety is hereby waived.

PRINCIPAL	SURETY
SIGNATURE(S)	SIGNATURES(S)
	. ,
NAME(S) AND TITLE(S)	NAME(S)
	* /
SEAL	SEAL

Standard Form No: NPCSF-GOODS-06c

REPUBLIC OF THE PHILIPPINES )	
CITY OF	) S.S.

# BID-SECURING DECLARATION SUPPLY AND DELIVERY OF CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MQNLOD PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

To: National Power Corporation
BIR Road cor. Quezon Ave.
Diliman, Quezon City

I/We<sup>1</sup>, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
- 2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the Procuring Entity for the commission of acts resulting to the enforcement of the Bid Securing Declaration under Sections 23.1 (b), 34.2, 40.1 and 69.1, except 69.1 (f) of the IRR of R.A. 9184; without prejudice to other legal action the government may undertake.
- 3. I/We understand that this Bid-Securing Declaration shall cease to be valid on the following circumstances:
  - (a) Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - (b) I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right;
  - (c) I am/we are declared as the bidder with the Lowest Calculated and Responsive Bid, and I/we have furnished the performance security and signed the Contract.

20	IN WITNESS WHEREOF, I/we have hereunto set my hand this day of at, Philippines.
	[Name and Signature of Bidder's Representative/ Authorized Signatory] [Signatory's legal capacity] Affiant
	[Jurat]

 $<sup>^{</sup>m \it l}$  Select one and delete the other. Adopt same instruction for similar terms throughout the document.

SUPPLY AND DELIVERY OF CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MQNLOD PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

[Format shall be based on the latest Rules on Notarial Practice]

Standard Form No: NPCSF-GOODS-07

#### Omnibus Sworn Statement (Revised)

REPUBLIC OF THE PHILIPPINES	)
CITY/MUNICIPALITY OF	) S.S.

#### **AFFIDAVIT**

- I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:
- 1. [Select one, delete the other:]

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

- 3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
- Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- [Select one, delete the rest:]

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - Carefully examining all of the Bidding Documents;
  - Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- 10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN —	WITNESS	WHEREOF, , Philippines.	l	have	hereunto	set	my	hand	this	 day	of	 20	at

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE] [Insert signatory's legal capacity] Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

SUPPLY AND DELIVERY OF USUSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MONLOD PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

Standard Form No: NPCSF-GOODS-08

#### RID | FITER

BID LEI IEK		
Date:		
To: THE PRESIDENT National Power Corporation BIR Road cor. Quezon Ave. Diliman, Quezon City		
Gentlemen:		
Having examined the Bidding Documents including Bid Bulletin Numbers [insert numbers] , the receipt of which is hereby duly acknowledged, we, the undersigned, offer to perform SUPPLY AND DELIVERY OF CONSOLIDATED PMS AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MQNLOD (PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007) in conformity with the said Bidding Documents for the sum of total Bid amount in words and figures] or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.		
We undertake, if our Bid is accepted, to supply and deliver the goods and perform other services, if required within the contract duration and in accordance with the scope of the contract specified in the Schedule of Requirements and Technical Specifications.		
If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.		
We agree to abide by this Bid for the Bid Validity Period specified in Bid Documents and it shall remain binding upon us and may be accepted at any time before the expiration of that period.		
Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.		
We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.		
We certify/confirm that we comply with the eligibility requirements pursuant to the Bidding Documents.		
We likewise certify/confirm that the undersigned, <i>Ifor sole proprietorships, insert</i> :as the owner and sole proprietor or authorized representative of <i>Insert</i> : as the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the <i>Insert</i> : of the National Power Corporation <i>Ifor partnerships, corporations, cooperatives, or joint ventures, insert</i> : is granted full power and authority by the <i>Insert</i> : of the ensuing contract on the latter's behalf for <i>Insert</i> : of the National Power Corporation.		
We acknowledge that failure to sign each and every page of this Bid Letter, including the attached Schedule of Requirements (Bid Price Schedule), shall be a ground for the rejection of our bid.		
[name and signature of authorized signatory] [in the capacity of]		
Duly authorized to sign Bid for and on behalf of		

[name of bidder]

#### **Bank Guarantee Form for Advance Payment**

To: THE PRESIDENT

National Power Corporation BIR Road cor. Quezon Ave. Diliman, Quezon City

[name of Contract]

#### Gentlemen and/or Ladies:

In accordance with the Advance Payment Provision, of the General Conditions of Contract, <u>Iname and address of Supplier</u>] (hereinafter called the "Supplier") shall deposit with the PROCURING ENTITY a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of <u>Jamount of guarantee in figures and words</u>].

We, the <u>[name of the universal/commercial bank]</u>, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the PROCURING ENTITY on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding <u>[amount of guarantee in figures and words]</u>.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the PROCURING ENTITY and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date the advance payment is received by the Supplier under the Contract and until the Goods are accepted by the PROCURING ENTITY.

Yours truly,

[name of bank or financial institution]	
[address]	
[date]	 

SUPPLY AND DELIVERY OF SUPPLY AND SECURITY SPARE PARTS FOR CUMMINS DIESEL GENERATING SETS OF MONLOD PR NOS. S1-MQN24-003, S1-MQN24-004, S1-MQN24-005, S1-MQN24-006 & S1-MQN24-007

# **CERTIFICATION AS A DOMESTIC BIDDER**

This is to certify that based on the records of this office, (Name	of Bidder) is
duly registered with the DTI on	
This further certifies that the articles forming part of the produc	it of <u>(Name of Bidder)</u>
which are/is (Specify)are	substantially composed of
articles, materials, or supplies grown, produced or manufactured i	
encircle the applicable description/s).	
This certification is issued upon the request of (Name of Person	(Entity) in connection with
his intention to participate in the bidding for the (Name	
of the National Power Corporation (NPC).	
Given this day of20 at,	Philippines
	Phone
	Name
	Position
Departm	ent of Trade & Industry