



## **PENGUMUMAN PELELANGAN**

NOMOR : 257.PENG/SCM/PJBS/2017

TENTANG

### **PENGADAAN DAN JASA PERIODIK MAINTENANCE SERVICE (PMS) 72.000 JAM PLTD SUPPA # 3**

Tim Pengadaan Barang/Jasa PT Pembangkitan Jawa Bali Services akan melaksanakan Pelelangan Pengadaan Dan Jasa Periodik Maintenance Service (PMS) 72.000 Jam PLTD Suppa # 3, dengan persyaratan sebagai berikut :

#### **1 Persyaratan Peserta Lelang :**

Persyaratan Penyedia Barang/Jasa yang dapat mengikuti Pelelangan ini sebagai berikut :

- a. Mempunyai Surat Ijin Usaha Perdagangan (SIUP) atau Izin Usaha Tetap (IUT) dengan sub bidang *Mechanical* atau *Electrical* atau sesuai dengan lingkup pekerjaan yang masih berlaku.
- b. Mempunyai kekayaan bersih diatas Rp 600,000,000.00.
- c. Penyedia Barang/ Jasa tidak sedang menjalani sanksi Blacklist di lingkungan PT PJBS.

#### **2 Pelaksanaan Pengadaan**

- a. Pendaftaran dan Pengambilan Dokumen :  
Tanggal : 13 April s.d 20 April 2017  
Waktu : 09.00 s.d. 14.00 WIB  
Tempat : 1. PT PEMBANGKITAN JAWA-BALI SERVICES  
Jalan Raya Bandara Juanda No. 17  
Desa Semambung, Gedangan, Sidoarjo Jawa Timur 61253  
atau  
2. melalui email pengadaan@pjbservices.com
- b. Membayar biaya dokumen sebesar Rp 250.000,00  
Pembayaran dilakukan dengan pemindahbukuan/transfer melalui Bank ke rekening sebagai berikut :  
Bank : BRI  
Nomor Rekening : 009601001463305  
Atas nama : PT. PJB Services  
Bukti Transfer atas penyetoran tersebut agar discan dan diemail :  
[umaryahya@pt.pjbservices.com](mailto:umaryahya@pt.pjbservices.com) cc [andon@pjbservices.com](mailto:andon@pjbservices.com) dan  
[pengadaan@pjbservices.com](mailto:pengadaan@pjbservices.com)
- c. Dokumen Pengadaan dapat diemail atau diambil dalam bentuk *hard copy* atau *soft copy*.

#### **3 Spesifikai Barang/ Jasa**

Sesuai daftar terlampir

Demikian disampaikan untuk menjadi perhatian.

Sidoarjo, 11 April 2017

#### **Tim Pengadaan Barang/ Jasa PT. PJB Services**

Catatan : Peserta yang mendaftar diharapkan membawa flashdisk apabila membutuhkan softcopy dokumen

**PT PJB SERVICES**

Jl. Raya Bandara Juanda No. 17 Sidoarjo 61253  
Telp. (62-31) 8548391 - 8557909, Fax : (62-31) 8548360  
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[www.pjbservices.com](http://www.pjbservices.com)

**TOTAL SOLUTION**  
FOR POWER GENERATION

Lampiran Pengumuman	:	257.PENG/SCM/PJBS/2017
Tanggal	:	11 April 2017

**SPEKIFIKASI BARANG YANG DIMINTAKAN PENAWARAN**

NO	DESCRIPTION	SPARE PART	PART NO.	JUMLAH	SATUAN	HARGA SATUAN	JUMLAH HARGA
	Lubricating Oil System						
	Mounting set						
	Repair set						
		Liquid locking medium 50 cc	1810-012	1	Pcs		
		O-ring ID. 78,97 W 3.53	3521-063	2	Pcs		
		Sealing ring 273X220X1,5;ND 16	3521-065	1	Pcs		
		O-ring diam 73.39	3521-067	1	Pcs		
		O-ring 5,33X170,82	3521-020	4	Pcs		
		O-ring 240,67X5,33	3521-068	2	Pcs		
		Trek washer for M16	3521-060	8	Pcs		
		O-ring ID. 78,97 W 3.53	3521-063	4	Pcs		
		Packing ring 107X61X1,5;ND 40	3521-064	1	Pcs		
		Sealing washer 218X169X1,5;ND 16	3521-019	1	Pcs		
		Sealing ring 273X220X1,5;ND 16	3521-065	3	Pcs		
		O-ring I.D. 98.02 W.3.53	3521-066	2	Pcs		
		O-ring 5,33 X 253,37	3521-069	1	Pcs		
		Loctite NR. 515	3521-075	1	Pcs		
		Gasket	3522-032	2	Pcs		

	Lock ring RND.13	3522-015	18	Pcs	
	Steel washer diam 13 mm	3522-015	20	Pcs	
	Lock washer M12	3522-016	18	Pcs	
	O-ring	3522-019	36	Pcs	
	O-ring I.D. 23,16 W 5,33	3522-021	19	Pcs	
	Loctite NR. 270	3522-046	1	Pcs	
	O-ring grease	3522-025	1	Pcs	
Bellow					
	Compensator	3521-036	2	Pcs	
Cooling Water System					
Mounting set					
	Mounting set HT	1910-800	1	Set	
Repair set					
	Repair kit HT	1912-800	1	Set	
	Repair kit LT	1913-800	1	Set	
Bearings					
	Cylinder bearing round 110X2 HT	1912-027	1	Pcs	
	Ball bearing round 110X27 HT	1912-028	1	Pcs	
	Cylinder bearing round 110X2 LT	1913-027	1	Pcs	
	Ball bearing round 110X27 LT	1913-028	1	Pcs	
Impeller					
	Impeller HT	1912-005	1	Pcs	
	Joint washer HT	1912-006	1	Pcs	
	Bush HT	1912-008	1	Pcs	
	Impeller nut HT	1912-012	1	Pcs	
	Joint washer LT	1913-006	1	Pcs	
	Bush LT	1913-008	1	Pcs	

	Impeller nut LT	1913-012	1	Pcs	
Shaft seal					
	Shaft seal HT	1912-010	1	Pcs	
	Shaft seal LT	1913-010	1	Pcs	
Bellow					
	Flexible coupling	3551-021	1	Pcs	
	Flexible coupling	3522-047	2	Pcs	
	Flexible coupling	3553-012	6	Pcs	
	Flexible coupling	3553-017	1	Pcs	
	Packing ring 162X115X1,5;ND 16	3552-023	8	Pcs	
<b>Charge Air and Exhaust Gas System</b>					
Exhaust bellows					
	Bellow	2001-002	20	Pcs	
	Hex. Head Bolt M16X65	2001-006	488	Pcs	
	Nut M16	2001-007	480	Pcs	
	Lock ring round 17	2001-016	480	Pcs	
Turbin blades (due to wear)					
<b>Start / Control System</b>					
Oil mist detector					
	O-ring	5060-044	10	Pcs	
	O-ring	5060-030	10	Pcs	
Cylinder head starting valves					
	Ring sealing; SF-CU	1230-006	18	Pcs	
	O-ring ID.47.29 W2.62	1230-009	9	Pcs	
	Selflocking nut M10	1230-010	9	Pcs	

Starting air distributor	O-ring	2111-005	1	Pcs			
	Sealing plug M30X1,5	2111-007	9	Pcs			
	Spring	2111-009	9	Pcs			
	Cylinder liner	2111-010	9	Pcs			
	Control mechanism	Rod head	2240-064	3	Pcs		
		Bearing	2240-048	4	Pcs		
	Governor	O-ring	2200-005	1	Pcs		
		Loctite NR.270	2200-006	1	Pcs		
		O-ring grease	2200-007	1	Pcs		
		Loctite NR.5910	2200-008	1	Pcs		
Governor drive	Loctite NR.5910	2230-018	1	Pcs			
	Liquid locking medium 50 cc	2230-020	1	Pcs			
	Ball bearing S64 80X25X21	2230-012	1	Pcs			
	Ball bearing	2230-014	1	Pcs			
	Ball bearing	2230-016	1	Pcs			
	Securing medium, Type 638	2230-021	1	Pcs			
	Clamping element	2230-022	2	Pcs			
	Socket head screw M16X30	2230-024	4	Pcs			
	Ball bearing SKF80X35X21 S6307	2230-025	1	Pcs			
	Spring locking ring	2230-026	1	Pcs			
Retaining ring round 80X1	2230-029	1	Pcs				
Cylinder block with bearings, cylinder liner, piston,							

crankshaft, connecting rod						
Gudgeon pin						
Piston ring						
	Piston ring set		18	1130-800		Pcs
Piston						
	Piston complete		9	1130-001		Pcs
O-ring piston skirt						
	O-Ring		18	1130-008		Pcs
Cylinder liner						
	Cyl Liner		18	1050-001		pcs
	O-ring set for cylinder liner		18	1050-700		Pcs
	Molykote TP 42		1	1050-004		Pcs
	Grease lubricant		1	1050-012		Pcs
	Permatex super 300; Partno.83		1	1050-009		Pcs
V-ring						
	V-ring V500A		1	1100-007		Pcs
	Strip		1	1100-008		Pcs
	Slide Strip		12	1100-009		Pcs
Cylinder head with valves						
Turnomat / rotocap						
	Rotocap KK30		25	1210-003		Pcs
	Turnomat		36	1211-007		Pcs
Stud bolt						
	Stud Cyl Head		36	1000-008		Pcs
Inlet valve / Inlet valve seat						
	Valve seat (inlet)		10	1201-006		Pcs

O-ring inlet valve guide	O-ring	1210-006	36	Pcs		
Inlet valve guide	Valve guide inlet	1201-010	36	Pcs		
Exhaust valve & exhaust valve seat	Valve seat (exhaust)	1201-012	10	Pcs		
O-ring exhaust valve guide	O-ring	1211-006	36	Pcs		
Exhaust valve guide	Valve guide exhaust	1201-011	36	Pcs		
O-ring exhaust valve seat	O-ring	1201-008	36	Pcs		
Valve spring	Loctite NR.290	1201-015	9	Pcs		
Starting valve (cylinder head)	Valve spring	1211-002	20	Pcs		
	Spring	1230-005	9	Pcs		
	Ring sealing; SF-CU	1230-006	9	Pcs		
	O-ring ID.47.29 W2.62	1230-009	9	Pcs		
Rocker arm pivot	Pivot	1430-001	18	Pcs		
	Pivot	1430-007	18	Pcs		
Bridge piece						

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	Hexagon socket screw M5X5	1431-006	18	Pcs	
	Liquid sealing medium 50 CC	1431-007	9	Pcs	
	Cup	1431-008	36	Pcs	
Guide pin	Guide pin	1201-005	36	Pcs	
Guide block	Guide block	1431-009	36	Pcs	
	Socket head screw M12X90	1431-010	72	Pcs	
Cover rubber gasket	Sealing washer	1072-008	18	Pcs	
	Sealing washer	1072-009	18	Pcs	
<b>Camshaft &amp; valve drive mechanism</b>					
Inlet / exhaust roller	Roller	1410-006	36	Pcs	
	Elastic ring M16	1410-010	72	Pcs	
	O-ring ID 20.22 W3.53	1410-012	18	Pcs	
	Pressure spring	1410-013	36	Pcs	
Camshaft bearing	Camshaft bearing	1000-013	22	Pcs	
	Camshaft bearing	1000-035	2	Pcs	
Push rod complete	O-ring	1411-001	36	Pcs	
	Push rod assembly	1411-002	10	Pcs	
	O-ring ID.89.44 W 3.53	1411-007	36	Pcs	
Axial Bearing	Axial bearing	1480-015	2	Pcs	
	O-ring	1480-001	2	Pcs	
	O-ring	1480-020	4	Pcs	



Fuel (injection) system								
Fuel injection nozzles	(injector) nozzle	1501 DT 178	18	Pcs				
Fuel injector mounting set								
	O-ring DI:68 D2:5	1670-005	18	Pcs				
	O-ring DI:85 D2:5	1670-006	36	Pcs				
Fuel injector holder								
	Injector holder	1671-700	10	Pcs				
	Molykote	1670-004	5	Pcs				
Fuel injector inner parts (set)								
	Pivot	1671-003	18	Pcs				
	Spring housing	1671-004	18	Pcs				
	Compression spring	1671-005	18	Pcs				
	Ring-O	1671-008	18	Pcs				
Spring fuel pump								
	Plunger spring	1650-010	18	Pcs				
Anti cavitation plugs								
	Sealing washer 26X31X1,5	1650-037	36	Pcs				
	Plug	1650-038	36	Pcs				
Pump element, liner + plunger. Renew depending on inspection report								
Main delivery valve	Pump element	1650-002	18	Pcs				
	Delivery valve spring	1650-021	18	Pcs				

Constant pressure valve	Constant pressure valve	1650-022	18	Pcs		
Push rod + sealing ring						
	Push rod	1650-015	12	Pcs		
Spring fuel bracket						
	Compression spring	1610-002	18	Pcs		
Sealing set fuel bracket						
	Pressure spring	1610-004	18	Pcs		
	Locking nut	1610-011	18	Pcs		
	Socket head screw M8X70	1610-013	36	Pcs		
	Steel washer diam. 13mm	1610-014	36	Pcs		
	O-ring ID 20.22 W3.53	1610-016	18	Pcs		
	O-ring I.D. 135,89 W5,33	1610-017	18	Pcs		
	Liquid sealing medium 50 CC	1610-018	9	Pcs		
	O-ring	1610-003	36	Pcs		
Seal ring LP fuel system						
	O-ring ID. 78,97 W 3.53	3500-011	76	Pcs		
	O-ring ID. 66.04 W 5.33	3500-012	36	Pcs		
	Guide ring	3500-002	36	Pcs		
	Backup ring	3500-003	72	Pcs		
LP fuel lines						
	Pressure Pipe	3510-001	5	Pcs		
	Connecting piece	3510-002	15	Pcs		
	Steel washer 8,4	3501-055	16	Pcs		
	Cylindrical pin RND. 12X40	3501-056	2	Pcs		

	O-ring 5,33X62,87	3501-057	4	Pcs	
	O-ring 3,53X69,44	3501-058	2	Pcs	
	O-ring 5,33X66,27	3501-059	6	Pcs	
	Packing ring 107X61X1,5;ND 40	3501-061	2	Pcs	
<b>Engine foundation and Flexible coupling</b>					
	Positioning block longitudinal	636308706DT050	2	Set	
	Flexibel element	636308706DT178	10	Pcs	
<b>Charge air cooler</b>					
Charge air cooler	Fixating set air cooler	4762-802	2	Set	
<b>Electrical system</b>					
Sensor and cabling					
	Interconnection cable bank A 8203 DT 654	5130-022	2	Pcs	
	Interconnection cable bank A 8203 DT 655	5130-023	2	Pcs	
	Thermocouple Exhaust gas 8203 DT 665	5132-041	4	Pcs	
	Temperature sensor liners B Bank 8203 DT 657	5130-024	2	Pcs	
	Limit switch for STOP lever (Type BZ-2RQ77-N23, Brand : Honeywell)	5081-001	2	Pcs	
	Temperatur transmitter type 8100.02.0003, range: 0-150 oC, Brand : TRAFAG)	5120-021	2	Pcs	
	Presostat (1-10) bar type: 9KO.2078, P-Max:100 Bar, brand:TRAFAG	5150-002	1	Pcs	

	Pressure Transmitter 0-4 bar, type:8244.76.2318, brand:TRAFAG	5150-003	1	Pcs	
	Solenoid valve 3/2 , Eugen Seitz AG CH-8623 Wetzikon Switzerland A no.122 048 00 Type:343/41 DN 10 P: 0-40 bar Medium Luft F. No.9606	3532-003	1	Pcs	
Bearing Motor (SKF)					
	Radiator	6308 ZZ-C3	4	Pcs	
		6310 ZZ-C3	4	Pcs	
	Booster Unit	6306 ZZ-C3	4	Pcs	
	Leak Off	6202 ZZ-C3	2	Pcs	
	Preheating	6204 ZZ-C3	2	Pcs	
	Air intake filter	6202 ZZ-C3	2	Pcs	
		6201 ZZ-C3	2	Pcs	
	Electrical annex	6311 ZZ-C3	4	Pcs	
	Pre lube	6212 ZZ-C3	2	Pcs	
	Mechanical Annex	6306 ZZ-C3	2	Pcs	
	FOPX	6309 ZZ-C3	2	Pcs	
	Feed pump FOPX	6205 ZZ-C3	2	Pcs	
	Viscosity	6201 ZZ-C3	2	Pcs	
		6000 ZZ-C3	2	Pcs	
				<b>TOTAL</b>	
				<b>PPN 10%</b>	
				<b>JUMLAH</b>	
				<b>TOTAL</b>	



## JASA

NO	DESCRIPTION	JUMLAH (PERSON)	SATUAN (DAYS)	HARGA SATUAN	JUMLAH HARGA
<b>1</b>	<b>Man Power</b>				
	<b>Traveling Hour</b>				
	Service Engineer Mechanicals	3	14		
	Services Engineer Electrical	1	28		
	Mechanics	3	14		
	<b>Daily Charge</b>				
	Service Engineer Mechanicals	3	30		
	Services Engineer Electrical	2	23		
	Mechanics	3	30		
	Helpers	6	30		
<b>2</b>	<b>Accomodation</b>				
	Service Engineer Mechanicals	3	30		
	Services Engineer Electrical	1	23		
	Mechanics	3	30		
<b>3</b>	<b>Air Ticket and Taxi</b>				
	Service Engineer Mechanicals	3	2		
	Services Engineer Electrical	1	4		
	Mechanics	3	2		
<b>4</b>	<b>Local Transport</b>				
	Car Rental	1	30		
<b>5</b>	<b>Tools and Consumables</b>				
	Site Consumables & Standart Tools	1	1		
	Delivery	1	2		
<b>6</b>	<b>Workshop Job</b>				
	Change Air Cooler	1	2		
	Governor	1	1		
	Delivery	1	2		
				<b>TOTAL</b>	
				<b>PPN 10%</b>	
				<b>TOTAL HARGA</b>	

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## DAFTAR KONSUMABEL

NO	DESCRIPTION	MNT		REMARK
		JUMLAH	SATUAN	
1	Oli Mobil oil DTE Medium	50,00	Ltr	
2	Oli Hydraulic S 10	30,00	Ltr	
3	Grease Mobil XHP 222 @400 gr	5,00	Kg	
4	Abrasive paper no 100	24,00	Ea	
5	Abrasive paper no 1000	18,00	Ea	
6	Acytelene	1,00	Tube	
7	Affdunner	6,00		
8	Oxygen	1,00	Tube	
9	Amplas 220	12,00	Ea	
10	Amplas 600	13,00	Ea	
11	Auxiliary contact 'Telemechanic'	4,00	Ea	
12	Balok 10x10x4	3,00	Ea	
13	Balok 15x15x4	5,00	Ea	
14	Balok 20x20x4 mtr	5,00	Ea	
15	Kayu Tumeya 3x15 cm	6,00	Ea	
16	Ban Dalam Gerobak	1,00	Ea	
17	Basket / Keranjang	36,00	Ea	
18	Baskom black	22,00	Ea	
19	Battery size AA	52,00	Ea	
20	Battery size AAA	24,00	Ea	
21	Battery size D 1,5 V	12,00	Ea	
22	Batu Honing @8 Pcs Halus	1,00	Ea	
23	Batu Honing @8 Pcs Kasar	8,00	Ea	
33	Besi Kanal 'U' 150x75x6.5 mm	2,00	Ea	
34	Brasso metal polish 200 ml	1,00	Can	
35	Cat Avian Abu Abu	11,00	Can	

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36	Cat Avian Hijau	2,00		
37	Cat Avian Hitam	4,00	Can	
38	Cat Avian Merah	2,00	Can	
39	Cat Avian Putih	2,00	Can	
40	Circlip kecil	9,00	Ea	
41	Contact Cleaner 'CRC'	15,00	Can	
42	Cutting disc 100 x 2 x 16 mm	4,00	Ea	
43	Detergen Rinso 900 Gr	51,00	Ea	
44	Detergent Rinso 1.4 Kg	1,00	Ea	
45	Gasket Steam KLINGKRIK 2 mm	1,00	Ea	
46	Grinding disc 100 x 6 x 16 mm 'Bosch'	4,00	Ea	
47	Hebron Penetrant for crack detector DP-432	4,00	Can	
48	Hebron Penetrant for crack detector LD-452	4,00	Can	
49	Hebron Spot check cleaner SC-412	4,00	Can	
50	Isolasi Bakar	20,00	Ea	
51	Isolasi Kertas 1"	16,00	Ea	
52	Isolasi Kertas 2"	31,00	Ea	
53	Isolasi Listrik	6,00	Ea	
54	Kantong Plastik	3,00	Kg	
55	Kaos Tangan	334,00	Pair	
56	Kuas 1"	7,00	Ea	
57	Kuas 2"	3,00	Ea	
58	Kuas Roll Refill	10,00	Ea	
59	Lampu Phipps 24W	5,00	Ea	
60	Lem Dextone	10,00	Ea	
61	Lem Fox	3,00	Ea	
62	Lem Korea	8,00	Ea	
63	Lem Permatex 26B	22,00	Ea	
64	Lem Silicone Clear	6,00	Ea	
65	Majun Putih	188,00	Kg	

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66	Majun Warna	150,00	Kg	
67	Masker	300,00	Ea	
68	Mata Gergaji 24 TPI	4,00	Ea	
69	Minyak Tanah	408,00	Ltr	
70	Solar / Diesel Fuel	364,00	Ltr	
71	Bensin	405,00	Ltr	
72	Nitrogen Cair N2	2,00	Gallon	
73	Oil seal 40 x 52 x 8 'NOK'	1,00	Ltr	
74	Oil Seal NOK 40 55 8	1,00	Ltr	
75	Paint Nippon Protective	9,00	Can	
76	Paku 10 cm	1,00	Kg	
77	Plastic mika	1,00	Ea	
78	Seal Tape Small	23,00	Ea	
79	Sendok Dempul	13,00	Ea	
80	Sikat Besi	5,00	Ea	
81	Sikat Mangkok / Cup Brush	37,00	Ea	
82	Sikat Tembaga	25,00	Ea	
83	Spidol Hitam Permanent	15,00	Ea	
84	Spidol Putih Permanent	22,00	Ea	
85	Spons Kawat / Stainless	50,00	Ea	
86	Spoons Nilon	56,00	Ea	
87	Teplon 140mm 5"	1,00	Ea	
88	Thinner A	12,00	Can	
89	Tiewrap 15 cm	200,00	Ea	
90	Tripleks 5 mm	4,00	Ea	
91	Tripleks 6 mm	40,00	Ea	
92	Valve "1 Kitz	1,00	Ea	
93	WD 40 382 ml	20,00	Can	

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