

**BILL OF QUANTITY (BOQ)**  
**PENGADAAN MATERIAL SPAREPART DALAM RANGKA PERIODEC MAINTENANCE SCHEDULE (PMS) 30.000 JAM PLTMG BAWEAN**

| No       | Nama Barang/Jasa                                                                                             | Jumlah | Satuan | Harga Satuan (Rp) | Jumlah Harga (Rp) |
|----------|--------------------------------------------------------------------------------------------------------------|--------|--------|-------------------|-------------------|
| <b>A</b> | <b>Pengadaan Material Sparepart Dalam Rangka Periodec Maintenance Schedule (PMS) 30.000 Jam PLTMG Bawean</b> | 1      | LOT    | -                 | -                 |
|          | <b>Part Number Ignition and Elastic Parts for Electric</b>                                                   |        |        |                   |                   |
| 1        | 102981 Sealing spark plug                                                                                    | 120    | Pcs    |                   |                   |
| 2        | 462203 Spark Plug P7.1V5 / P3V3                                                                              | 30     | Pcs    |                   |                   |
|          | <b>Oil Filter - Oil Cooler - Oil Pipes - Oil Pump</b>                                                        |        |        |                   |                   |
| 3        | 225125 Oil Filter                                                                                            | 6      | Pcs    |                   |                   |
| 4        | 235027 Spin-On Filter                                                                                        | 3      | Pcs    |                   |                   |
| 5        | 582697 Gasket Set                                                                                            | 3      | Set    |                   |                   |
|          | <b>Suction Line (Control Linkage - Throttlet Valve - Actuator - intercooler - Bypass - Line - Crankcc)</b>   |        |        |                   |                   |
| 6        | 1203122 Sealing                                                                                              | 3      | Pcs    |                   |                   |
| 7        | 415397 Servemotor                                                                                            | 3      | Pcs    |                   |                   |
| 8        | 582688 Sealing set                                                                                           | 3      | Pcs    |                   |                   |
|          | <b>Air Filter - GE. Crbicator</b>                                                                            |        |        |                   |                   |
| 9        | 523275 Bag Filter                                                                                            | 6      | Pcs    |                   |                   |
| 10       | 464424 Bag Filter                                                                                            | 3      | Pcs    |                   |                   |
|          | <b>Water Pump - Water Hose</b>                                                                               |        |        |                   |                   |
| 11       | 505738 Sealing                                                                                               | 6      | Pcs    |                   |                   |
| 12       | 100065 Gasket                                                                                                | 3      | Pcs    |                   |                   |
| 13       | 376483 O Ring                                                                                                | 6      | Pcs    |                   |                   |
|          | <b>Exchange of Cylinder Heads I Valve Clearence Adjusment</b>                                                |        |        |                   |                   |
| 14       | 375631 Intake Valve                                                                                          | 3      | Pcs    |                   |                   |
| 15       | 375630 Exhaust Gas Valve                                                                                     | 3      | Pcs    |                   |                   |
| 16       | 375647 Exhaust Valve Seat                                                                                    | 3      | Pcs    |                   |                   |
| 17       | 375634 Intake Valve Seatring                                                                                 | 3      | Pcs    |                   |                   |
| 18       | 456737 O-Ring                                                                                                | 6      | Pcs    |                   |                   |
| 19       | 107613 Screw Pug                                                                                             | 6      | Pcs    |                   |                   |
| 20       | 100843 Sealing Ring                                                                                          | 12     | Pcs    |                   |                   |
| 21       | 102307 Snap Ring                                                                                             | 6      | Pcs    |                   |                   |
| 22       | 359913 Disk                                                                                                  | 6      | Pcs    |                   |                   |
| 23       | 100261 Valve Crone                                                                                           | 12     | Pcs    |                   |                   |
| 24       | 359854 Spring Plate                                                                                          | 6      | Pcs    |                   |                   |
| 25       | 174473 Valve Spring                                                                                          | 6      | Pcs    |                   |                   |
| 26       | 110538 Roto Cap                                                                                              | 6      | Pcs    |                   |                   |
| 27       | 174469 Valve Spring                                                                                          | 6      | Pcs    |                   |                   |
| 28       | 172703 Valve Guide                                                                                           | 6      | Pcs    |                   |                   |
| 29       | 1216943 Engine Gasket Set                                                                                    | 3      | Set    |                   |                   |
|          | <b>Various Engine Parts</b>                                                                                  |        |        |                   |                   |
| 30       | 395571 Shaft Seal                                                                                            | 3      | Pcs    |                   |                   |
| 31       | 395570 Shaft Seal                                                                                            | 3      | Pcs    |                   |                   |
| 32       | 448651 Cylinder Liner                                                                                        | 15     | Pcs    |                   |                   |
| 33       | 337459 Scraper Ring                                                                                          | 60     | Pcs    |                   |                   |
| 34       | 448657 Cylinder Head Gasket                                                                                  | 60     | Pcs    |                   |                   |
| 35       | 375592 Piston (Complete Rings)                                                                               | 3      | Pcs    |                   |                   |
| 36       | 364563 Compression Rings                                                                                     | 60     | Pcs    |                   |                   |
| 37       | 322788 Tapered Piston Rings                                                                                  | 60     | Pcs    |                   |                   |

|                    |         |                                             |     |     |                     |             |
|--------------------|---------|---------------------------------------------|-----|-----|---------------------|-------------|
| 38                 | 281127  | Roof Chamfer Piston Rings                   | 45  | Pcs |                     |             |
| 39                 | 482681  | Connecting Rod Bearing                      | 60  | Pcs |                     |             |
| 40                 | 190308  | Connecting Rod Bushing                      | 60  | Pcs |                     |             |
| 41                 | 1231308 | Main Bearing (280409)                       | 33  | Pcs |                     |             |
| 42                 | 117279  | Pressure Ring (axial bearing)               | 6   | Pcs |                     |             |
| 43                 | 117361  | Bumper                                      | 6   | Pcs |                     |             |
| 44                 | 106904  | Ball Soket                                  | 6   | Pcs |                     |             |
| 45                 | 101819  | Hexagon Nut (MIO)                           | 120 | Pcs |                     |             |
| 46                 | 9010789 | Oil Mist Separator                          | 3   | Pcs |                     |             |
| 47                 | 238824  | Compressor (If Required)                    | 3   | Pcs |                     |             |
| 48                 | 100099  | Sealing (If Required)                       | 6   | Pcs |                     |             |
| 49                 | 100548  | Sealing                                     | 60  | Pcs |                     |             |
| 50                 | 100357  | Hexagonal Head Screw (If Required)          | 36  | Pcs |                     |             |
| 51                 | 101815  | Hexagonal Nut (If Required)                 | 36  | Pcs |                     |             |
|                    |         | <b>Eleastic Parts</b>                       |     |     |                     |             |
| 52                 | 268544  | Rubber Roil (2000 x 60 x 60)                | 3   | Pcs |                     |             |
| 53                 | 268547  | Rubber Roil (2000 x 60 x 60)                | 3   | Pcs |                     |             |
| 54                 | 196574  | Rubber Roil (830 x 60 x 60)                 | 6   | Pcs |                     |             |
|                    |         | <b>Gas Train</b>                            |     |     |                     |             |
| 55                 | 1219674 | Filter Cartridge (201601)                   | 3   | Pcs |                     |             |
| 56                 | 201602  | Sealing Kit                                 | 6   | Pcs |                     |             |
|                    |         | <b>Module Control Panel</b>                 |     |     |                     |             |
| 57                 | 226692  | Filter Plate for Filter Ventilator (123858) | 3   | Pcs |                     |             |
|                    |         | <b>Sealing</b>                              |     |     |                     |             |
| 58                 | 100092  | Sealing Jaket Water                         | 120 | Pcs |                     |             |
| 59                 | 100093  | Sealing Head Push Rod                       | 120 | Pcs |                     |             |
| 60                 | 100947  | Sealing Air Intake Pipe                     | 60  | Pcs |                     |             |
| 61                 | 100875  | Sealing JW Pipe                             | 60  | Pcs |                     |             |
| 62                 | 376511  | O-Ring Inlet Oil Pipe Turbo                 | 3   | Pcs |                     |             |
| 63                 | 174461  | O-Ring Outlet Oil Pipe Turbo                | 3   | Pcs |                     |             |
| 64                 | 514104  | O-Ring Air Suction System                   | 6   | Pcs |                     |             |
| 65                 | 259035  | O-Ring Air Suction System                   | 6   | Pcs |                     |             |
| <b>Terbilang :</b> |         |                                             |     |     | <b>TOTAL</b>        | 0,00        |
|                    |         |                                             |     |     | <b>PPN 10%</b>      | 0,00        |
|                    |         |                                             |     |     | <b>JUMLAH TOTAL</b> | <b>0,00</b> |