

Tanjung Jati B Expansion (Jawa-4) Coal Fired Steam Power Plant 2 x 1,000 MW
Initial Spare Part List (LOT 3)

| Item No. | Equipment Tag Number (KKS) | | | | | | | | | | Spec No. | Equipment Name | Description of Spare Items | Manufacturer's Part Identification | Qty per two Units | | Sketch (See Item 2.11 of Instrm Sht) | Cross Reference Drawing (See Item 2.12 of Instrm Sht) | Frequency of replacement | Remarks | |
|--|----------------------------|----------------|--|----------------|-------------------------------|----------------|-----------------------------|----------------|-------------------------------|----------------|----------|--|----------------------------|------------------------------------|-----------------------------|--|---|--|--------------------------|-----------------|--------------------------------|
| | Level 0 (Total Plant) | | Level 1 (System Code) | | | | Level 2 (Equipment Code) | | | | | | | | Level 3 (Component Code) | | | | | Item No. of CDA | Qty difference from Qty of CDA |
| | G | F ₀ | F ₁ F ₁ F ₁ | F ₁ | A ₁ A ₂ | A ₁ | A ₂ | A ₃ | B ₁ B ₂ | B ₁ | | | | | | | | | | | |
| Coal Handling System -Coal Conveying System | | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | 0 | EAC | 01 | AF | 507 | | | | | 67.0403 | Carry Idler's Roller BW1400 | | 45 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | B3-1-SP-61 | 123-45 | |
| 2 | 0 | 0 | EAC | 01 | CH | 507 | | | | | 67.0403 | Flat Type Return Kiler's Roller BW1400 | | 20 | pcs | | GP133-306-1600 | 24 months | B3-1-SP-65 | 24-20 | |
| 3 | 0 | 0 | EAC | 01 | AT | 301 | | | | | 67.0403 | Pull Cord Switch | | 3 | pcs | | TJB56-L3-OFF-C-EAC-I-DAC-9000 | 24 months | B3-1-SP-74 | 5-3 | |
| 4 | 0 | 0 | EAC | 01 | CS | 501 | | | | | 67.0403 | Belt Sway Switch | | 3 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0032 | 24 months | B3-1-SP-75 | 5-3 | |
| 5 | 0 | 0 | EAC | 01 | GP | 001 | | | | | 67.0403 | Speed Switch | | 1 | pcs | | TJB56-L3-OFF-C-EAC-I-DAC-9000 | 24 months | B3-1-SP-76 | 2-1 | |
| 6 | 0 | 0 | EAC | 01 | GP | 001 | | | | | 67.0403 | LED Indicator or Lamp | | 10 | pcs | | TJB56-L3-OFF-C-BLJE-DLS-1220-1228 | 24 months | B3-1-SP-97 | 20-10 | |
| 7 | 0 | 0 | EAC | 01 | GP | 001 | | | | | 67.0403 | Push Button | | 10 | pcs | | TJB56-L3-OFF-C-BLJE-DLS-1220-1228 | 24 months | B3-1-SP-99 | 5-10 | |
| 8 | 0 | 0 | EAC | 01 | AF | 507 | | | | | 67.0403 | Selecting SW | | 10 | pcs | | TJB56-L3-OFF-C-BLJE-DLS-1220-1228 | 24 months | B3-1-SP-100 | 5-10 | |
| 9 | 0 | 0 | EAC | 01 | AF | 507 | | | | | 67.0403 | Impact idler ø133*530 | | 10 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 10 | 0 | 0 | EAC | 01 | AF | 507 | | | | | 67.0403 | Comb idler ø133*1600 | | 4 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 11 | 0 | 0 | EAC | 01 | AF | 507 | | | | | 67.0403 | Spiral idler ø133*1600 | | 5 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 12 | 0 | 0 | EAC | 01 | AF | 507 | | | | | 67.0403 | Upper Carry Kiler ø159mm*900 | | 25 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 13 | 0 | 0 | EAC | 01 | AF | 502 | | | | | 67.0403 | Impact idler ø159mm*900 | | 8 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 14 | 0 | 0 | EAC | 01 | AF | 502 | | | | | 67.0403 | Return V type idler ø159mm*900 | | 15 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 15 | 0 | 0 | EAC | 01 | AF | 502 | | | | | 67.0403 | Comb idler ø159*1800 | | 5 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 16 | 0 | 0 | EAC | 01 | AF | 502 | | | | | 67.0403 | Spiral idler ø159*1800 | | 5 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 17 | 0 | 0 | EAC | 01 | AF | 502 | | | | | 67.0403 | Self alignment Guide idler ø108*180 | | 25 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 18 | 0 | 0 | EAC | 01 | AF | 512 | | | | | 67.0403 | Upper Carry Kiler ø159mm*750 | | 5 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 19 | 0 | 0 | EAC | 01 | AF | 512 | | | | | 67.0403 | Impact idler ø159mm*750 | | 5 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0030 | 24 months | | New Item | |
| 20 | 0 | 0 | EAC | 01 | AF | 512 | | | | | 67.0403 | Return flat idler ø159*2200 | | 1 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0029 | 24 months | | New Item | |
| 21 | 0 | 0 | EAC | 01 | AF | 512 | | | | | 67.0403 | Carry Kiler ø159mm*514 | | 25 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0029 | 24 months | | New Item | |
| 22 | 0 | 0 | EAC | 01 | AF | 512 | | | | | 67.0403 | Press idler ø133*750 | | 8 | pcs | | TJB56-EAC-M1902 | 12 months | | New Item | |
| 23 | 0 | 0 | EAC | 10 | CG | 331 | | | | | 67.0403 | Emergency Switch for Fluid Coupling | | 1 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0048 | 24 months | | New Item | |
| 24 | 0 | 0 | EAC | 10 | CG | 332 | | | | | 67.0403 | Fusible plug | | 5 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0048 | 24 months | | New Item | |
| Coal Sampling | | | | | | | | | | | | | | | | | | | | | |
| 25 | 0 | 0 | EBU | 01 | AT | 502 | | | | | 67.0403 | V-belt | | 3 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0033 | 24 months | | New Item | |
| Vibrating Screen | | | | | | | | | | | | | | | | | | | | | |
| 26 | 0 | 0 | FBU | 01 | AT | 513 | | | | | 67.0403 | V-belt | | 2 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0042 | 12 months | | New Item | |
| 27 | 0 | 0 | EBU | 01 | AT | 513 | | | | | 67.0403 | Coil spring | | 2 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0042 | 12 months | | New Item | |
| Vibrating Feeder | | | | | | | | | | | | | | | | | | | | | |
| 28 | 0 | 0 | ECA | 01 | AF | 071 | | | | | 67.0403 | Coil spring | | 1 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0041 | 24 months | | New Item | |
| 29 | 0 | 0 | ECA | 01 | AF | 071 | | | | | 67.0403 | Dust sealing parts for feeder | | 1 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0041 | 24 months | | New Item | |
| HVAC | | | | | | | | | | | | | | | | | | | | | |
| 30 | 0 | 0 | ECA | 01 | AT | 501 | | | | | 67.0403 | Intake Valve | | 2 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0032 | 12 months | | New Item | |
| 31 | 0 | 0 | ECA | 01 | AT | 501 | | | | | 67.0403 | Solenoid Valve | | 2 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0032 | 12 months | | New Item | |
| DUST SUPPRESSION | | | | | | | | | | | | | | | | | | | | | |
| 32 | 0 | 0 | GHA | 71 | AA | 006 | | | | | 67.0403 | Solenoid valve (Normal type) | | 1 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0091 | 24 months | | New Item | |
| 33 | 0 | 0 | GHA | 71 | AA | 006 | | | | | 67.0403 | Solenoid valve (Explosion-proof) | | 1 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0091 | 24 months | | New Item | |
| 34 | 0 | 0 | GHA | 71 | AA | 006 | | | | | 67.0403 | Check valve | | 1 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0091 | 24 months | | New Item | |
| 35 | 0 | 0 | GHA | 71 | AA | 006 | | | | | 67.0403 | Ball valve | | 1 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0091 | 24 months | | New Item | |
| 36 | 0 | 0 | GHA | 71 | AA | 006 | | | | | 67.0403 | Spray nozzle | | 2 | pcs | | TJB56-L3-OFF-C-00-M-MAN-0091 | 24 months | | New Item | |
| Electrical | | | | | | | | | | | | | | | | | | | | | |
| 37 | 0 | 0 | EAC | 00 | GP | 001 | | | | | 67.0403 | Lamps (normal) | | 1 | pcs | | TJB56-L3-OFF-C-EAC-E-DSU-0855 | 24 months | | New Item | |
| 38 | 0 | 0 | EAC | 00 | GP | 001 | | | | | 67.0403 | Lamps (anti-explosion) | | 1 | pcs | | TJB56-L3-OFF-C-EAC-E-DSU-0855 | 24 months | | New Item | |
| 39 | 0 | 0 | EAC | 00 | GP | 001 | | | | | 67.0403 | Lighting fixture (normal) | | 1 | pcs | | TJB56-L3-OFF-C-EAC-E-DSU-0855 | 24 months | | New Item | |
| 40 | 0 | 0 | EAC | 00 | GP | 001 | | | | | 67.0403 | Lighting fixture (anti-explosion) | | 1 | pcs | | TJB56-L3-OFF-C-EAC-E-DSU-0855 | 24 months | | New Item | |
| 41 | 0 | 0 | EAC | 00 | GP | 001 | | | | | 67.0403 | Intermediate relay | | 1 | pcs | | TJB56-L3-OFF-C-EAC-E-DSU-0855 | 24 months | | New Item | |
| 42 | 0 | 0 | EAC | 00 | GP | 001 | | | | | 67.0403 | Air circuit breaker | | 1 | pcs | | TJB56-L3-OFF-C-BLJE-DLS-1220-1228 | 24 months | | New Item | |
| Control and Instrumentation | | | | | | | | | | | | | | | | | | | | | |
| 43 | 0 | 0 | EAC | 51 | CI | 301 | | | | | 67.0403 | Coal flow detector | | 1 | pcs | | TJB56-L3-OFF-C-EAC-I-DAC-9000 | 24 months | | New Item | |
| 44 | 0 | 0 | EAC | 51 | CI | 301 | | | | | 67.0403 | Plug detector | | 1 | pcs | | TJB56-L3-OFF-C-EAC-I-DAC-9000 | 24 months | | New Item | |
| 45 | 0 | 0 | EAC | 10 | EH | 201 | | | | | 67.0403 | Rip detector | | 1 | pcs | | TJB56-L3-OFF-C-EAC-I-DAC-9000 | 24 months | | New Item | |
| 45 | 0 | 0 | EAC | 10 | EH | 201 | | | | | 67.0403 | Horn | | 1 | pcs | | TJB56-L3-OFF-C-EAC-I-DAC-9000 | 24 months | | New Item | |
| Coal Handling System -Stacker Reclaimer | | | | | | | | | | | | | | | | | | | | | |
| 57 | | | | | | | | | | | 67.0402 | bucket | | 4 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-0009&0006 Item 3-13.16 | About 12 months | | New Item | |
| 58 | | | | | | | | | | | 67.0402 | bucket tooth | ZGMn13 | 32 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-0009&0006 Item 1,2,24.25 | About 9-12months | | New Item | |
| 59 | | | | | | | | | | | 67.0402 | wearable scaleboard of furcate hopper | NM400 | 8 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1076 Item 10 | About 9-12months | | New Item | |
| 60 | | | | | | | | | | | 67.0402 | wearable scaleboard of furcate hopper | NM400 | 8 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1082 Item 21 | About 9-12months | | New Item | |
| 61 | | | | | | | | | | | 67.0402 | Rubber plate | for belt conveyor | 12 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1076 Item 11 | About 6 months | | New Item | |
| 62 | | | | | | | | | | | 67.0402 | Rubber plate | for belt conveyor | 22 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1082 Item 3 | About 6 months | | New Item | |
| 63 | 0 | 0 | EAD | 2 | AE | 315 | N/A | N/A | N/A | | 67.0402 | slewing brake | for slow drive | 2 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-0301 | About 12-18 months | | New Item | |
| 64 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | shoe for belt conveyor brake | for boom conveyor | 4 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-0191.0192 Item 3 | About 12-18 months | | New Item | |
| 65 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | shoe for bucket wheel drive | for bucket wheel drive | 4 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-0008 | About 12-18 months | | New Item | |
| 66 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | fusible plug of bucket wheel fluid coupling | for belt conveyor brake | 4 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-0008 Item 2 | Safety part, replace as demand | | New Item | |
| 67 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | fusible plug of belt conveyor fluid coupling | for bucket wheel drive | 4 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-0191.0192 Item 2 | Safety part, replace as demand | | New Item | |
| 68 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | scaleboard of bottom hopper | NM400 | 16 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1087-1093 Item 27 | About 9-12months | | New Item | |
| 69 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | scaleboard of bucket wheel chute | NM400 | 40 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1076 Item 8.9 | About 9-12months | | New Item | |
| 70 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | scaleboard of tripper material quid chute | NM400 | 20 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1077 Item 3.4 | About 9-12months | | New Item | |
| 71 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | scaleboard of slewing steel structure hopper | NM400 | 16 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1079 Item 2 | About 9-12months | | New Item | |
| 72 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | scaleboard of upper hopper | NM400 | 32 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1078 Item 2 | About 9-12months | | New Item | |
| 73 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | scaleboard of material receive chute | NM400 | 16 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-1080 Item 4 | About 9-12months | | New Item | |
| 74 | 0 | 0 | EAD | 2 | AE | 300 | N/A | N/A | N/A | | 67.0402 | carry idler | ø133*600 | 40 | pcs | | TJB56-L3-OFF-C-EAD-M-DGA-0151.0152 | About 9-12months | | New Item | |
| 75 | 0 | 0 | EAD | 2 | AE | 300 | N | | | | | | | | | | | | | | |

Tanjung Jati B Expansion Project
179956.67.0402
Bucket Wheel Stacker Reclaimer
Mechanical Operation and Maintenance Manual

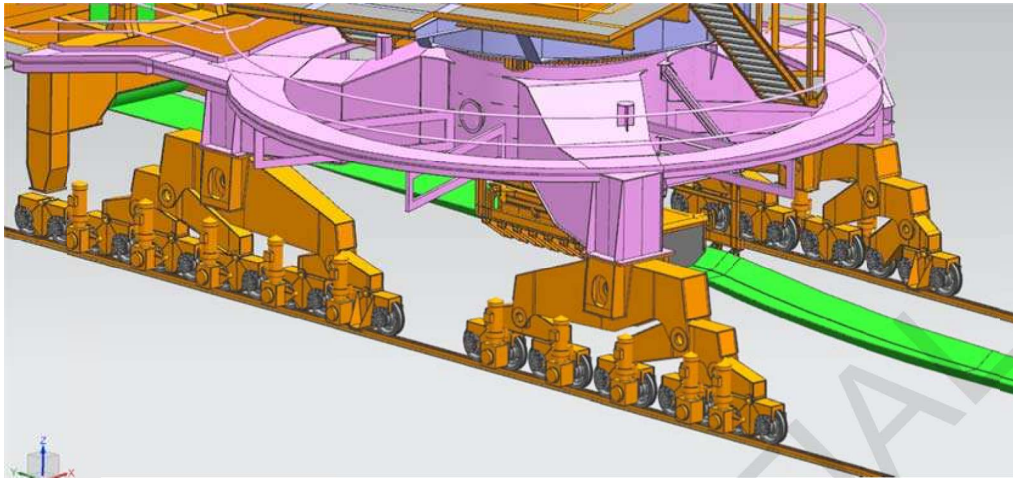


Figure 3. EQUALISERS

4.5.1.2 Technical data

Machine Drawings:

Refer to Appendix Drawing:

| PROJECT DOCUMENT NO. | SUPPLIER DWG/DOC NO. | DWG/DOC TITLE |
|-------------------------------|----------------------|-------------------------|
| TJB56-L3-OFF-C-EAD-M-DGA-0425 | B1260200400102 | LONG TRAVEL ARRANGEMENT |
| TJB56-L3-OFF-C-EAD-M-DGA-0426 | B2260200010692 | Driven Wheel Unit |
| TJB56-L3-OFF-C-EAD-M-DGA-0427 | B2260200010694 | Undriven Wheel Unit |

4.5.1.3 Maintenance Tasks

| EQUALISERS | | | |
|----------------------------|----------------------|--------------------|---------------|
| MAINTENANCE TASK | RECOMMENDED INTERVAL | ISOLATION REQUIRED | REMARKS |
| INSPECTION | | | |
| Check welds for cracks | Every 12 Months | Yes | Refer 4.5.1.4 |
| Structure corrosion/damage | Every 12 Months | Yes | Refer 4.5.1.4 |
| Pins | Every 12 Months | Yes | Refer 4.5.1.4 |
| SERVICING | | | |
| Clean | Every 6 Months | As required | |