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|  | Scope of Works | Matimba Power Station |
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Title: **Supply of soft spares (gaskets, graphite pressure seal, and packings) to Matimba Power Station.**

Document Identifier: **N/A**

Alternative Reference Number: **N/A**

Area of Applicability: **Matimba Power Station**

Functional Area: **Engineering**

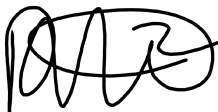
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1. Introduction

Time and time again (outage and outage), the issue of unavailability of soft spares (gaskets, pressure seal, and packing) has become prevalent. This opens a discussion of omitting certain items on the planned outage scope of works, i.e., scheduled maintenance as per the prescribed maintenance strategy. Consequentially, this fails the outage objectives and keeps the stations performance indicators far within reach, e.g., EAF (delayed return to service (RTS)), specific water usage of 0.13l/kWhSO, and Operating Performance Index.

Thus, a need for the station to have a contract for the supply of soft spares (gaskets, packings, and pressure seal) is obvious.

2. Supporting Clauses

2.1 Scope

Supply of soft spares, i.e., gaskets, pressure seals, and packing. The word “supply” in throughout this document will be used to mean **manufacture as specified and in accordance to minimum international practice and guidelines or Eskom’s prescription, and deliver to Matimba Power Station withing the agreed lead time.**

2.1.1 Purpose

The purpose of this document is to detail the scope of works and the quality requirements thereof/

2.1.2 Applicability

This document shall apply to the content in this document Power Station.

2.1.3 Effective date

The effective date of this document is as per the date and signature of the approver.

2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] ISO 9001 Quality Management Systems.
- [2] 32-1034 Procurement and Supply Chain Management Procedure
- [3] 32-303 Requirements for the Safe Processing, handling, Storage, Disposal and Phase-out of Asbestos

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[4] Asbestos Abatement Regulations, 2020.

[5] ISO 14001 Environment

2.2.2 Informative

[1] Tender Technical Criteria.

[2] Occupational Health and Safety (OHS) Act 85 of 193

2.3 Definitions

2.3.1. Supply: Manufacture as specified and in accordance with minimum international practice and guidelines or Eskom's prescription, and deliver to Matimba Power Station withing the agreed lead time

2.4 Abbreviations

| Abbreviation | Description |
|---------------------|------------------------------------------------|
| EAF | Energy Availability Factor |
| RTS | Return to service |
| ISO | International Organization for Standardization |
| l/kWhSO | Litres per kilowatt hour of sent out |

2.5 Process of Monitoring

To ensure that the spares that are meet the required specification, all spares delivered shall be inspected upon delivery (famously known as QC) by maintenance personnel who is familiar with the component, artisan, and the Engineer.

2.6 Related/Supporting Documents

[1] Tender Technical Criteria Document Content

2.7 Compliance

2.7.1 Safety, health, and environment

The supplier (its personnel) shall ensure that it observe all Eskom's policies, site regulations and particularly Eskom's Life Savings rules.

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2.7.2 Quality

The supplier is required to conduct all its activities (as a minimum) per its own quality management process/system in accordance the suppliers ISO 9001 certification.

2.8 Scope of Work Information

The list of all the items and its specification are listed on the Table below. All the requirements are stipulated in the specifications and other requirements will be observed from the technical criteria.

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
|-----|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 1 | 67764 | SEAL, RING: TYPE: PRESSURE; INSIDE DIAMETER: 510 MM; OUTSIDE DIAMETER: 540 MM; THICKNESS: 31 MM; MATERIAL: GRAPHITE; DRAWING NO: MATIMBA 20.58/52181 REV 1; ANGLE (Z) 45DEG, LIP WIDTH (SP) 3MM | 180 | ea |
| 2 | 67775 | SEAL, RING: TYPE: PRESSURE; INSIDE DIAMETER: 110 MM; OUTSIDE DIAMETER: 120 MM; THICKNESS: 12 MM; MATERIAL: GRAPHITE PURE 99 PCT; DRAWING NO: MATIMBA 20.58/52182 REV 1; REFERENCE NO: 0.47159.008; GRADE E, USED ON SEMPELL GATE VALVE TYPE GTS2.03.65.65.01 | 180 | ea |
| 3 | 67806 | SEAL, OIL: TYPE: BONNET; INSIDE DIAMETER: 412 MM; OUTSIDE DIAMETER: 442 MM; WIDTH: 31 MM; MATERIAL: GRAPHITE; SEALING MEMBER: SINGLE LIP; ANGLE: (Z) 45DEGREES, LIP WIDTH (SP) 3MM | 180 | ea |
| 4 | 70409 | SEAL: TYPE: PRESSURE; DIMENSIONS: ID 310 X OD 340 X THK 30 MM; MATERIAL: GRAPHITE; DRAWING NO: 20.58/52181 REV 1; 45 DEGREE SP 2MM | 180 | ea |
| 5 | 94121 | PACKING, BULK: WIDTH: 12 MM; THICKNESS: 12 MM; MATERIAL: YARN GRAPHITE IMPREGNATED; SHAPE: SQ; STAG, GORTEX STYLE 222 | 50 | kg |
| 6 | 98114 | SEAL, RING: TYPE: HP CONTROL VALVE; INSIDE DIAMETER: 240 MM; OUTSIDE DIAMETER: 270 MM; THICKNESS: 30 MM; MATERIAL: GRAPHITE; OEM P/N: 5120-100, OEM: GE STEAM POWER SERVICE; DRAWING NO: MATIMBA 5120-100 | 180 | ea |
| 7 | 98173 | SEAL: TYPE: PRESSURE; DIMENSIONS: ID 430 X OD 480 X THK 55 MM; MATERIAL: GRAPHITE; APPLICATION: EMERGENCY STOP VALVE; OEM P/N: 7120-077, OEM: GE STEAM POWER SERVICE; LIP WIDTH (SP) 4 MM, ANGLE (Z) 45 DEG | 180 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 8 | 98739 | SEAL, OIL: TYPE: PRESSURE; INSIDE DIAMETER: 370 MM; OUTSIDE DIAMETER: 400 MM; WIDTH: 30 MM; MATERIAL: GRAPHITE; SEALING MEMBER: SINGLE LIP; DRAWING NO: 20.58/52181 ESK REV 1; REFERENCE NO: 05-1345-000; ANGLE (Z) 45DEGREES, LIP WIDTH (SP) 3MM | 180 | ea |
| 9 | 98741 | SEAL: TYPE: PRESSURE; DIMENSIONS: ID 195 X OD 210 X THK 15 MM; MATERIAL: GRAPHITE; DRAWING NO: 20.58/82181 ESK REV 1; REFERENCE NO: 05-1331-000; ANGLE (Z 45 DEGREES, LIP WIDTH (SP) 1MM | 180 | ea |
| 10 | 98742 | SEAL, OIL: TYPE: PRESSURE COVER; INSIDE DIAMETER: 330 MM; OUTSIDE DIAMETER: 360 MM; WIDTH: 31 MM; MATERIAL: GRAPHITE; DRAWING NO: ESK 20.58/52182 REV 1; 20.58/52182 ESK REV 1; WITH STAINLESS STEEL CAPS 321 X 0.5, LIP WIDTH (SP) 3MM, ANGLE (Z) 45DEG | 180 | ea |
| 11 | 98747 | SEAL, OIL: TYPE: METAL ENCASED; INSIDE DIAMETER: 130 MM; OUTSIDE DIAMETER: 140 MM; WIDTH: 12 MM; MATERIAL: GRAPHITE; SEALING MEMBER: SINGLE LIP; DRAWING NO: 20.58/52182 ESK REV 1; ESK 20.58/52182 REV 1; REFERENCE NO: 05-1324-000; PRESSURE; LIP WIDTH (SP) 1MM, ANGLE (Z) 45DEG, (SS 321 X 0.5MM THICK) | 180 | ea |
| 12 | 98765 | SEAL: TYPE: PRESSURE; DIMENSIONS: ID 98 X OD 115 X THK 23 MM; MATERIAL: GRAPHITE SS GR 1.4539 REINFORCED; DRAWING NO: 20.58/52183 ESK REV 1; FOR GATE VALVE, LIP WIDTH (SP) 0MM, ANGLE (Z) 25DEG | 180 | ea |
| 13 | 98808 | SEAL, OIL: TYPE: GATE VALVE; INSIDE DIAMETER: 196 MM; OUTSIDE DIAMETER: 220 MM; WIDTH: 36 MM; MATERIAL: GRAPHITE SS GR 1.4539 REINFORCED; DRAWING NO: 20.58/52183 ESK REV 1; ESK 20.58/52183 REV 1; LIP WIDTH (SP) 0MM, ANGLE (Z) 25DEGREES; PRESSURE COVER | 180 | ea |
| 14 | 98809 | SEAL: TYPE: PRESSURE; DIMENSIONS: ID 82.5 X OD 100 X THK 27 MM; MATERIAL: GRAPHITE SS REINFORCED; DRAWING NO: ESKOM 20.58/52182 REV 1; FIG NO: VSP 3829,99; REFERENCE NO: STATOTHERM V881/17; FOR GATE VALVE, DN 80 (3 IN), PN GROUP 250/05, LIP WIDTH (SP) 0.5MM, ANGLE (25) DEGREES, WITH STEEL CAP ON TOP AND BOTTOM | 180 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 15 | 98810 | SEAL, OIL: TYPE: COVER; INSIDE DIAMETER: 162 MM; OUTSIDE DIAMETER: 190 MM; WIDTH: 36 MM; MATERIAL: GRAPHITE PURE 99 PCT GR E; SEALING MEMBER: SINGLE LIP; DRAWING NO: ESKOM 20.58/52182 REV 1; PRESSURE; FOR GATE VALVE, LIP WIDTH, SP: 0MM, ANGLE (Z) 25DEG, REINFORCED WITH STAINLESS STEEL GR 1.4539 | 180 | ea |
| 16 | 98811 | SEAL: TYPE: PRESSURE COVER; DIMENSIONS: ID 110 X OD 130 X THK 27 MM; MATERIAL: GRAPHITE SS GR 1.4539 REINFORCED; DRAWING NO: 20.58/52183 REV 1; FOR GATE VALVE, ANGLE (Z) 25DEG | 180 | ea |
| 17 | 98812 | SEAL: TYPE: PRESSURE COVER; DIMENSIONS: ID 152 X OD 180 X THK 36 MM; MATERIAL: GRAPHITE; APPLICATION: GATE VALVE; DRAWING NO: ESKOM 20.58/52183 REV 1; FOR SEREG GATE VALVE, ANGLE (Z) 25DEG, LIPWIDTH (SP) 0 MM REINFORCED WITH STAINLESS STEEL MESH 1.4539 | 180 | ea |
| 18 | 98829 | GASKET, PRE CUT: DIMENSIONS: ID 850 X OD 890 X THK 30 MM; TYPE: PRESSURE SEAL; MATERIAL: GRAPHITE; SHAPE: RD; REFERENCE NO: R45EV850NGDA; REHEATER ISOLATING DEVICE, TYPE: R 45 EV 850 NFDA, SPECIFICATION: MELTING POINT: 3650DEG CELSIUS, ASH CONTENT: NOT MORE THAN 2PCT, SYSTEM PRESSURE: 250BAR, SYSTEM TEMPERATURE: 540DEG CELSIUS, DIMENSION (TOLERANCE): 0.15MM, TO BE CERTIFIED, LEACHABLE CHLORIDE/ION CONTENT: NOT MORE THAN 50 PPM, LEACHABLE FLUORIDE/ION CONTENT: NOT MORE THAN 50 PPM, DENSITY: 1.6 G/CM3 | 180 | ea |
| 19 | 98833 | PACKING, PREFORMED: INSIDE DIAMETER: 610 MM; OUTSIDE DIAMETER: 650 MM; THICKNESS: 28 MM; TYPE: PRESSURE SEAL; MATERIAL: GRAPHITE; SUPPL P/N: R61LV650NFDA; SHAPE RING, SPECIFICATION MELTING POINT 3650 DEGREE CELSIUS, ASH CONTENT NOT MORE THAN 2PCT DIMENSION TOLERANCE 0.15MM, TO BE CERTIFIED, LEACHABLE CHLORIDE/ION CONTENT NOT MORE THAN 50 PPM, LEACHABLE FLUORIDE/ION CONTENT NOT MORE THAN 50PPM, DENSITY 1.6G/CM3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 180 | ea |

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| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 20 | 99085 | SEAL, OIL: TYPE: PRESSURE; INSIDE DIAMETER: 205 MM; OUTSIDE DIAMETER: 220 MM; WIDTH: 15 MM; MATERIAL: GRAPHITE PURE 99 PCT GR E; SEALING MEMBER: SINGLE LIP; DRAWING NO: ESKOM 20.58/52182 REV 1; MELTING POINT: 3650DEG CELSIUS, ASH CONTENT: NOT MORE THAN 2PCT, SYSTEM: 250BAR, SYSTEM TEMPERATURE: 540DEG CELSIUS, LIP WIDTH 1MM | 180 | ea |
| 21 | 99087 | SEAL, OIL: TYPE: PRESSURE; INSIDE DIAMETER: 220 MM; OUTSIDE DIAMETER: 240 MM; WIDTH: 20 MM; MATERIAL: GRAPHITE PURE 99 PCT; DRAWING NO: 20.58/52182 REV 1; GRADE: E, LIP WIDTH, SP: 2MM, ANGLE (Z) 45DEG | 180 | ea |
| 22 | 99102 | SEAL, OIL: TYPE: PRESSURE; INSIDE DIAMETER: 100 MM; OUTSIDE DIAMETER: 110 MM; WIDTH: 13 MM; MATERIAL: GRAPHITE PURE 99 PCT GR E; SEALING MEMBER: SINGLE LIP; SUPPL P/N: 0.47005.008; DRAWING NO: ESKOM 20.58/52182 REV 1; FOR SUPER HEATER SPRAY WATER VALVE, ANGLE (Z) 45DEG, LIP WIDTH, SP 1MM, PLANT 0435 | 180 | ea |
| 23 | 99108 | SEAL, OIL: TYPE: PRESSURE; INSIDE DIAMETER: 80 MM; OUTSIDE DIAMETER: 90 MM; WIDTH: 12 MM; MATERIAL: GRAPHITE PURE 99 PCT; DRAWING NO: ESKOM 20.58/52182 REV 1; GRADE: E, LIP WIDTH, SP: 0MM, ANGLE (Z) 45DEG | 180 | ea |
| 24 | 99119 | SEAL, OIL: TYPE: PRESSURE; INSIDE DIAMETER: 165 MM; OUTSIDE DIAMETER: 180 MM; WIDTH: 15 MM; MATERIAL: GRAPHITE PURE 99 PCT; DRAWING NO: ESKOM 20.58/52182 REV 1; GRADE: E, ANGLE (Z) 45DEGREES, LIP WIDTH, SP: 1.5MM | 180 | ea |
| 25 | 99689 | SEAL: TYPE: COVER; DIMENSIONS: ID 410 X OD 440 X THK 30 MM; MATERIAL: GRAPHITE PURE 98 PCT; APPLICATION: TURBINE/BOILER; DRAWING NO: 20.58/52182 REV 0; FOR SEMPELL HKS1 VALVE, 450NB NRV, KKS: LAB80 AA001; 45DEG WITH STAINLESS STEEL CAP ACCORDING TO ESKOM DRAWING | 45 | ea |
| 26 | 99690 | SEAL: TYPE: PRESSURE; DIMENSIONS: ID 140 X OD 150 X THK 13 MM; MATERIAL: GRAPHITE; DRAWING NO: 20.58/52181 REV 1; FOR SEMPELL VALVE HKS1 100NB NTV, 45DEG, LIP WIDTH (SP) 1MM | 45 | ea |

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| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 27 | 101025 | PACKING, BULK: WIDTH: 4 MM; THICKNESS: 4 MM; MATERIAL: CARBON/GRAPHITE YARN; SHAPE: SQ; REFERENCE NO: 477-1; HP STEAM, NON ASBESTOS, IMPREGNATED WITH MOLYBDENUM CORROSION INHIBITOR, SPECIFICATION TO BE CERTIFIED, TFE DISPERSION 14 PCT, LEACHABLE CHLORIDE ION CONTENT 71PPM MAX, LEACHABLE SULPHUR 42PPM MAX, TOTAL SULPHUR 439PPM MAX, TOTAL CHLORIDE 100PPM MAX, PURITY OF YARN 91.59 PCT, PRESSURE LIMIT 250 BAR, TEMPERATURE LIMIT -40 DEGREE CELSIUS TO 566 DEGREE CELSIUS, SHAFT VELOCITY LIMIT 15M/SEC, PH 0 TO 13, PRODUCT BRAND | 100 | kg |
| 28 | 101026 | PACKING, BULK: WIDTH: 6 MM; THICKNESS: 6 MM; MATERIAL: CARBON/GRAPHITE YARN; SHAPE: SQ; REFERENCE NO: 477-1; HP STEAM, NON ASBESTOS MPREGNATED WITH MOLYBDENUM CORROSION INHIBITOR, SPECIFICATION TO BE CERTIFIED, TFE DISPERSION 14 PCT, LEACHABLE CHLORIDE ION CONTENT 71PPM MAX, LEACHABLE SULPHUR 42PPM MAX, TOTAL SULPHUR 439PPM MAX, TOTAL CHLORIDE 100PPM MAX, PURITY OF YARN 91.59 PCT, PRESSURE LIMIT 250 BAR, TEMPERATURE LIMIT -40 DEGREE CELSIUS TO 566 DEGREE CELSIUS, SHAFT VELOCITY LIMIT 15M/SEC, PH 0 TO 13, PRODUCT BRAND | 100 | kg |
| 29 | 101027 | PACKING, BULK: WIDTH: 8 MM; THICKNESS: 8 MM; MATERIAL: CARBON/GRAPHITE YARN; SHAPE: SQ; REFERENCE NO: 477-1; HP STEAM NON ASBESTOS, IMPREGNATED WITH MOLYBDENUM CORROSION INHIBITOR, SPECIFICATION TO BE CERTIFIED, TFE DISPERSION 14PCT, LEACHABLE CHLORIDE ION CONTENT 71PPM MAX, LEACHABLE SULPHUR 42PPM MAX, TOTAL SULPHUR 439PPM MAX, TOTAL CHLORIDE 100PPM MAX, PURITY OF 91.59PCT, PRESSURE LIMIT 250 BAR, TEMPERATURE LIMIT -40 DEGREE CELSIUS TO 566 DEGREE CELSIUS, SHAFT VELOCITY LIMIT 15M/SEC, PH 0-13 | 150 | kg |
| 30 | 101028 | PACKING, BULK: WIDTH: 10 MM; THICKNESS: 10 MM; MATERIAL: CARBON/GRAPHITE YARN; SHAPE: SQ; REFERENCE NO: 477-1; HP STEAM, NON ASBESTOS IMPREGNATED WITH MOLYBDENUM CORROSION INHIBITOR,SPECIFICATION TO BE CERTIFIED, TFE DISPERSION 14 PCT, LEACHABLE CHLORIDE ION CONTENT 71PPM MAX, LEACHABLE SULPHUR 42PPM MAX TOTAL SULPHUR 439PPM MAX, TOTAL CHLORIDE 100PPM MAX, PURITY OF YARN 91.59 PCT, PRESSURE LIMIT 250 BAR, TEMPERATURE LIMIT -40 DEGREE CELSIUS TO 566 DEGREE CELSIUS, SHAFT VELOCITY LIMIT 15M/SEC, PH 0-13, PRODUCT BRAND | 100 | kg |

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| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 31 | 101029 | PACKING, BULK: WIDTH: 12 MM; THICKNESS: 12 MM; MATERIAL: CARBON/GRAPHITE YARN; SHAPE: SQ; REFERENCE NO: 477-1; HP STEAM, NON ASBESTOS IMPREGNATED, WITH MOLYBDENUM CORROSION INHIBITOR; SPECIFICATION TO BE CERTIFIED; TFE DISPERSION 14 PCT, LEACHABLE CHLORIDE ION CONTENT 71PPM MAX, SULPHUR 42PPM MAX, TOTAL SULPHUR 439PPM MAX, TOTAL CHLORIDE 100PPM MAX; PURITY OF YARN 91.59 PCT; PRESSURE LIMIT 250 BAR, TEMPERATURE LIMIT -40 DEGREE CELSIUS TO 566 DEGREE CELSIUS; SHAFT VELOCITY LIMIT 15M/SEC, PH 0 TO 13; PRODUCT BRAND | 100 | kg |
| 32 | 101031 | PACKING, BULK: WIDTH: 15.9 MM; THICKNESS: 15.9 MM; MATERIAL: CARBON FIBER; APPLICATION: PUMP AND VALVE; MAX PRESSURE: 250 BAR; PH VALUE RANGE: 0-13; TEMPERATURE RANGE: -40 TO 566 DEG C; TYPE: GENERAL SERVICE; SHAPE: SQ; SUPPL P/N: 477-1; HP STEAM IMPREGNATED WITHM MOLYBDENUM CORROSION INHIBITOR, SPECIFICATION TO BE CERTIFIED, TFE DISPERSION: 14PCT, LEACHABLE CHLORIDE ION CONTENT 71PPM MAX, LEACHABLE SULPHURE 42PPM MAX, TOTAL SULPHUR: 439PPM MAX, TOTAL CHLORIDE 100PPM MAX, PURITY OF YARN 91.59 PCT, SHAFT VELOCITY LIMIT 15M/SEC | 100 | kg |
| 33 | 101381 | SEAL, RING: TYPE: PRESSURE; INSIDE DIAMETER: 260 MM; OUTSIDE DIAMETER: 280 MM; THICKNESS: 20 MM; MATERIAL: GRAPHITE PURE 99 PCT; DRAWING NO: ESKOM 0.58/ 52182 REV 1; REFERENCE NO: 047000007; GRADE: E, METAL ENCASED TOP AND BOTTOM, ANGLE: 45DEG, SP: 2MM | 300 | kg |
| 34 | 101382 | SEAL, RING: TYPE: CYLINDER; INSIDE DIAMETER: 240 MM; OUTSIDE DIAMETER: 260 MM; THICKNESS: 20 MM; MATERIAL: GRAPHITE PURE 99 PCT; DRAWING NO: ESKOM 20.58/52182 REV 1; GRADE: E, ANGLE 45DEG, SP: 2MM | 50 | ea |
| 35 | 101383 | SEAL, RING: TYPE: BONNET; INSIDE DIAMETER: 185 MM; OUTSIDE DIAMETER: 200 MM; THICKNESS: 16 MM; MATERIAL: GRAPHITE; SUPPL P/N: 20.58/52181 ESK; REFERENCE NO: 051330000; PRESSURE, ANGLE = 45DEG, SP = 0.5MM | 50 | ea |

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| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 36 | 101465 | SEAL, RING: TYPE: PRESSURE; INSIDE DIAMETER: 290 MM; OUTSIDE DIAMETER: 320 MM; THICKNESS: 30 MM; MATERIAL: GRAPHITE 98 PCT/ASH 2; DRAWING NO: ESK 20.58/52181 REV 1; 20.58/52181 ESK REV 1; MELTING POINT: 3650DEG CELSIUS, SYSTEM: 250BAR, 0MM (+/-5PCT), ANGLE: 45DEG, LIP WIDTH: 2MM, DENSITY: 1.6G/CM3, PACKED: SINGLE PACKED (DOUBLE WRAP), TO BE CERTIFIED: LEACHABLE CHLORIDE ION CONTENT: NOT MORE THAN 50 PARTS PER MILLION, LEACHABLE FLUORIDE ION CONTENT: NOT MORE THAN 50 PARTS PER MILLION | 50 | ea |
| 37 | 101485 | SEAL, OIL: TYPE: PRESSURE; INSIDE DIAMETER: 300 MM; OUTSIDE DIAMETER: 320 MM; WIDTH: 20 MM; MATERIAL: GRAPHITE; SEALING MEMBER: SINGLE LIP; DRAWING NO: 20.58/52181 ESK REV 1; ANGLE (Z) 45DEGREES, LIP WIDTH (SP) 2MM | 50 | ea |
| 38 | 101654 | SEAL, RING: TYPE: PRESSURE; INSIDE DIAMETER: 125 MM; OUTSIDE DIAMETER: 140 MM; THICKNESS: 15 MM; MATERIAL: GRAPHITE PLAIN; APPLICATION: GATE VALVE; DRAWING NO: ESK 20.58/52181 REV 1; 20.58/52181 ESK REV 1; SEMPELL: GES.2.400.80.80.13, LIP WIDTH (SP) 1.5MM, ANGLE: 45DEG | 50 | ea |
| 39 | 101688 | SEAL, RING: TYPE: VALVE; INSIDE DIAMETER: 94 MM; OUTSIDE DIAMETER: 114 MM; THICKNESS: 12 MM; MATERIAL: GRAPHITE PURE 98 PCT; SUPPL P/N: HA20-A2-1/022; PRESSURE, FOR SULZER SPRAYWATER ISOLATING VALVE TYPE: HA20 A2, SIZE: O/DIAMETER (114-113.95MM), I/DIAMETER (94-94.05MM), MELTING POINT: 3650DEG C, ASH CONTENT: NOT MORE THAN 2PCT, DIMENSION TOLERANCE: 0.05MM TO BE CERTIFIED, LEACHABLE CHLORIDE/ION CONTENT: NOT MORE THAN 50PPM LEACHABLE FLUORIDE/ION CONTENT: NOT MORE THAN 50PPM, DESITY: 1.6G/CM | 50 | ea |
| 40 | 101689 | SEAL, RING: TYPE: PRESSURE; INSIDE DIAMETER: 88 MM; OUTSIDE DIAMETER: 112 MM; THICKNESS: 12 MM; MATERIAL: GRAPHITE PURE 98 PCT; FOR SULZER SPRAYWATER REGULATING VALVE - PT E 45 S/022, SIZE: OD (112-111.95MM), ID (88-88.05MM), MELTING POINT: 3650 DEG C, ASH CONTENT: NOT MORE THAN 2PCT, DIMENTION TOLERANCE: 0.05MM TO BE CERTIFIED, LEACHABLE CHLORIDE/ION CONTENT: NOT MORE THAN 50PPM, LEACHABLE FLUORIDE/ION CONTENT: NOT MORE THAN 50PPM, DENSITY: 1.6G/CM3 | 50 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 41 | 727221 | GLAND, PACKING: DIMENSIONS: THK 8 MM; TYPE: WATER VALVES; MATERIAL: HIGH PURITY CARBON FIBER; SHAPE: INTERBRAID AND FLEXIBLE REINFORCED; SPECIFICATION: API 622 AND API 624; REFERENCE NO: AIGI 22; 21.88/4.54 M/KG BOX; SHAPE SQUARE; TEMPERATURE: 300 DEG C; PRESSURE: 238 BAR; TO BE DELIVERED WITH MSDS AND DATASHEET | 350 | kg |
| 42 | 727262 | GLAND, PACKING: DIMENSIONS: THK 12.7 MM; TYPE: WATER VALVES; MATERIAL: CARBON FIBER & GRAPHITE; SHAPE: INTERBRAID AND FLEXIBLE REINFORCED; SPECIFICATION: API 622 AND API 624; REFERENCE NO: AIGI 98; LENGTH: 21.88/4.54 M/KG; TEMPERATURE: 650 DEG C; PRESSURE: 21 BAR; TO BE DELIVERED WITH MSDS AND DATASHEET | 350 | kg |
| 43 | 727263 | GLAND, PACKING: DIMENSIONS: THK 10 MM; TYPE: WATER VALVES; MATERIAL: HIGH PURITY CARBON FIBER; SHAPE: INTERBRAID AND FLEXIBLE REINFORCED; SPECIFICATION: API 622 AND API 624; REFERENCE NO: AIGI 22; LENGTH: 21.88/4.54 M/KG BOX; TO BE DELIVERED WITH MSDS AND DATASHEET | 300 | kg |
| 44 | 600498 | SEAL, RING: TYPE: COVER; INSIDE DIAMETER: 148 MM; OUTSIDE DIAMETER: 160 MM; THICKNESS: 12 MM; MATERIAL: GRAPHITE; APPLICATION: BYPASS VALVE; DRAWING NO: 7012-04570-004 REV 0; REFERENCE NO: GA251-6013.100.16.5.BW.3 | 25 | ea |
| 45 | 600499 | SEAL, RING: TYPE: COVER; INSIDE DIAMETER: 294.2 MM; OUTSIDE DIAMETER: 329.8 MM; THICKNESS: 30 MM; MATERIAL: GRAPHITE; APPLICATION: MAIN STEAM STOP VALVE; DRAWING NO: 7012-04570-002 REV 0; REFERENCE NO: GA251-6014-300.16.5.BW.3 | 25 | ea |
| 46 | 98218 | GASKET, PRE CUT: DIMENSIONS: ID 368 X OD 411 X THK 25 MM; TYPE: HEATER; MATERIAL: GRAPHITE; SHAPE: RD; REFERENCE NO: CIN11-20-2-5; PRESSURE SEAL, OLLERANCE -0.5, (+0.5MM TOLLERANCE), MATERIAL: GRAFIFLEX 99.8PCT GRAPHITE FOIL, FOIL DENSITY: 0.7G PER CUBIC CM, ASH CONTENT: 20 PPM, SULPHUR CONTENT: 1800 PPM, SUITABLE FOR STEAM CONDITIONS OF 360BAR AND 280DEG C | 100 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 47 | 98219 | GASKET, SPIRAL WOUND: STYLE: SPRING; COMPRESSION RINGS; INNER RING INSIDE DIAMETER: 532 MM; FILLER OUTSIDE DIAMETER: 564 MM; FILLER INSIDE DIAMETER: 532 MM; OUTER RING OUTSIDE DIAMETER: 564 MM; PRESSURE RATING: 5.5 MPA; FILLER MATERIAL: GRAPHITE; WINDING MATERIAL: STAINLESS STEEL; SHAPE: ROUND; SPECIFICATION: DIN 3754; THICKNESS: 3 MM; USED ON 10-60 LAD 51,52,61,62 AC001; SIZE: 3MM THK; MATERIAL: SS AND GRAPHITE | 100 | ea |
| 48 | 98217 | GASKET, PRE CUT: DIMENSIONS: ID 800 X OD 830 X THK 1.63 MM; TYPE: VALVE; MATERIAL: CUPRO NICKEL (NICORROS ALLOY 400); SHAPE: RD; MATERIAL: CUPRO NICKEL (NICORROS ALLOY 400), NICKEL-COPPER ALLOY (MONEL ALLOY 400) EQUIVALANT, FACE FINISH TO BE SMOOTH, MATERIAL NO: 2.4360/UNS: N04400 (NICU30FE) BS:3072, DESIGNATION NA13, DIN17743, CHEMICAL COMPOSITION: NICKEL: 63PCT MIN, COPPER: 28-34PCT, ALUMINIUM: MAX. 0.5PCT, MANGANESE: MAX 1.25PCT, IRON: 1.0-2.5PCT, TITANIUM: 0.2 MAX, CARBON: 0.5 MAX, MATERIAL CERTIFICATES TO BE SUPPLIED ON DELIVERY | 25 | ea |
| 49 | 98213 | GASKET, PRE CUT: DIMENSIONS: ID 99.4 MM X OD 1.055 M X THK 0.3 MM; TYPE: SERVOMOTOR; MATERIAL: DURAL; SHAPE: RD; CHECK VALVES | 25 | ea |
| 50 | 197975 | SHEET, GASKET: THICKNESS: 3 MM; LENGTH: 1 M; WIDTH: 1 M; MATERIAL: GRAPHITE; REFERENCE NO: V30011Z31; 0.5 MM SEAMLESS INTERLEAVED WITH 0.05 MM SS SHEETS | 25 | ea |
| 51 | 197972 | SHEET, GASKET: THICKNESS: 3 MM; LENGTH: 2 M; WIDTH: 1.5 M; MATERIAL: GRAPHITE; SUPPL P/N: 2000; NONE ASBESTOS; KLINGER; TOP GRAPH | 25 | ea |
| 52 | 197973 | SHEET, GASKET: THICKNESS: 1.5 MM; LENGTH: 1 M; WIDTH: 1 M; MATERIAL: GRAPHITE; REFERENCE NO: V15011Z31; SIGRAFLEX HOCHDRUCK ONLY; 0.5 MM SEAMLESS INTERLEAVED WITH 0.05 MM SS SHEETS | 25 | ea |
| 53 | 197971 | SHEET, GASKET: THICKNESS: 1.5 MM; LENGTH: 2 M; WIDTH: 1.5 M; MATERIAL: GRAPHITE; SUPPL P/N: 2000; KLINGER; NONE ASBESTOS; TOP GRAPH | 25 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 54 | 67798 | SEAL, OIL: TYPE: PRESSURE COVER; INSIDE DIAMETER: 145 MM; OUTSIDE DIAMETER: 160 MM; WIDTH: 15 MM; MATERIAL: GRAPHITE; SEALING MEMBER: SINGLE LIP; DRAWING NO: MATDRW 20.58/52181 REV 1; ANGLE (Z) 45DEGREES, LIP WIDTH (SP) 1MM, CAPPED STAINLESS STEEL | 25 | ea |
| 55 | 97839 | PACKING, PREFORMED: INSIDE DIAMETER: 64.4 MM; OUTSIDE DIAMETER: 85 MM; THICKNESS: 10 MM; TYPE: RINGS ON IPB CV/ESV; MATERIAL: GRAPHITE; OEM P/N: 7120-078, OEM: GE STEAM POWER SERVICE; 5620-075, OEM: GE STEAM POWER SERVICE; 7620-033, OEM: GE STEAM POWER SERVICE; 7320-078, OEM: GE STEAM POWER SERVICE; DRAWING NO: LETHABO/MATIMBA 7120-078; LETHABO/MATIMBA 7320-078; LETHABO 7620-033; LETHABO 5620-075; B42-56200-0023; SHAPE ROUND; RING STYLE 0901/B5; USED ON IP BYPASS CONTROL AND EMERGENCY STOP VALVES; TWO RINGS PER SET; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 60 | ea |
| 56 | 98081 | PACKING, PREFORMED: INSIDE DIAMETER: 45 MM; OUTSIDE DIAMETER: 61 MM; THICKNESS: 8 MM; TYPE: RING; MATERIAL: GRAPHITE PURE 98 PCT; FOR WANDT REGULATING VALVE, OPERATING TEMP 540 DEGREE CELSIUS, WORKING PRESSURE 25MPA DENSITY 1.4 G/CUBIC CM, 9 PER SET COMBINED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 120 | ea |
| 57 | 98082 | PACKING: TYPE: PRE-FORMED; MATERIAL: ASB GRAPHITE IMPREGNATED; SHAPE: RING SPLIT; THICKNESS: 6 MM; DIAMETER: ID 26 X OD 38 MM; PREFORMED: FOR WANDT REGULATING VALVE, MATERIAL 98PCT GRAPHITE, OPERATING TEMP 540 DEGREE CELSIUS, WORKING PRESSURE 25MPA, DENSITY 1,4 G/CUBIC CM, 9 RINGS PER SET COMBINED | 120 | ea |
| 58 | 98086 | PACKING: TYPE: VALVE; MATERIAL: GRAPHITE PURE 98 PCT; SHAPE: RING SPLIT; REFERENCE NO: 0-46740-016; PREFORMED, FOR REGULATING, OPERATING TEMP 540 DEGREE CELSIUS, WORKING PRESSURE 25 MPA SIZE: O/DIAMETER 48-49.95MM, I/DIAMETER 32-32.05MM, DENSITY 1,4 G/CUBIC CM, 10 RINGS PER SET COMBINED WHEN ORDER ON EACH, ONE SET CONSIST OF 10 RINGS; DIMENSIONS: ID 32 X OD 48 X THK 8 MM | 120 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 59 | 98089 | PACKING, PREFORMED: INSIDE DIAMETER: 55 MM; OUTSIDE DIAMETER: 75 MM; THICKNESS: 10 MM; TYPE: SPLIT RING; MATERIAL: ASB GRAPHITE IMPREGNATED; REFERENCE NO: 0.46732B.032; FOR WANDT REGULATING VALVE; MATERIAL 98PCT GRAPHITE, OPERATING TEMP 540 DEGREE CELSIUS, WORKING PRESSURE 25 MPA, 9 PER SET COMBINED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 120 | ea |
| 60 | 98200 | PACKING, PREFORMED: INSIDE DIAMETER: 745 MM; OUTSIDE DIAMETER: 786 MM; THICKNESS: SQ 8 MM; TYPE: SPLIT; MATERIAL: X22CRMOV121V; OEM P/N: 2480-031, OEM: GE STEAM POWER SERVICE; DRAWING NO: F42.29455-0115 REV 1; HALF ROUND, USED ON HP SHAFT GLAND INLET/OUTLET SIDE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 60 | ea |
| 61 | 98332 | PACKING, BULK: WIDTH: 8 MM; THICKNESS: 8 MM; LENGTH: 10 M; MATERIAL: GLASS FIBER; TYPE: YARN; SHAPE: SQ; SUPPL P/N: 5846; MODEL NO: 5846; TYPE C60, SUPPLIED IN 2.5 KG ROLLS; BURAFLOW | 187.5 | kg |
| 62 | 98490 | PACKING, PREFORMED: INSIDE DIAMETER: 8 MM; OUTSIDE DIAMETER: 15 MM; THICKNESS: 3.5 MM; TYPE: RING; MATERIAL: GRAFOIL/GRAPHITE; FOR HOKE 2811 NEEDLE VALVE SHAPE, FOR USE ON SAMPLE CONDITIONING PLANT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 60 | ea |
| 63 | 98492 | PACKING, PREFORMED: INSIDE DIAMETER: 9.5 MM; OUTSIDE DIAMETER: 14 MM; THICKNESS: 5 MM; TYPE: RING; MATERIAL: GRAFOIL/GRAPHITE; FOR ASHFORD NEEDLE VALVE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 60 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 64 | 98990 | PACKING, PREFORMED: INSIDE DIAMETER: 42 MM; OUTSIDE DIAMETER: 62 MM; THICKNESS: 60 MM; TYPE: V SPLIT RING; MATERIAL: PTFE CARBON/GRAPHITE IMPREGNATED; DRAWING NO: 20.58/52765 ESK REV 1; ESK 20.58/52765 REV 1; SMALL SOOTBLOWER, 10MM WD, WITH 45 DEGREE ANGLE, 6 SET, TEFLON, MATERIAL CODE 1123N, STEAM TEMPERATURE 420 DEGREE CELSIUS, STEAM PRESSURE 20 BAR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 90 | ea |
| 65 | 99519 | PACKING, PREFORMED: INSIDE DIAMETER: 60 MM; OUTSIDE DIAMETER: 85 MM; THICKNESS: 12.5 MM; TYPE: RING; MATERIAL: GRAPHITE; REFERENCE NO: DRE125-44; 000-003-158-424; CODE NO DRE 125/44, FOR USE ON SULZER HP BYPASS VALVES, VALVE TYPE DRE125, 4 SEALS PER SET; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 60 | ea |
| 66 | 99685 | PACKING, PREFORMED: INSIDE DIAMETER: 90 MM; OUTSIDE DIAMETER: 110 MM; THICKNESS: 10 MM; TYPE: RING; MATERIAL: GRAPHITE; DRAWING NO: A50301-202 REV 1; REFERENCE NO: 90X10X10; SEAL FOR ELECTRIC FEED PUMP DISCHARGE FEED WATER CONTROLL VALVE, WELLAND AND TUXHORN; NOTE - ITEM MUST BE PROTECTIVE PACKED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 45 | ea |
| 67 | 100997 | PACKING: TYPE: VALVE; MATERIAL: GRAPHITE; SHAPE: SQ RING; PREFORMED, FOR 15MM SET, 2 RINGS 4MM, 4 RINGS 8.25 MM, DENSITY 1.4 GRAMS PER CUBIC CM, OPERATING TEMP 540 DEG CELCIUS, WORKING PRESSURE 25 MPA; DIMENSIONS: ID 16 X OD 24 MM | 125 | ea |
| 68 | 101687 | PACKING, PREFORMED: INSIDE DIAMETER: 88 MM; OUTSIDE DIAMETER: 112 MM; THICKNESS: 10 MM; MATERIAL: GRAPHITE PURE 98 PCT; SHAPE SQUARE, FOR VALVES, OPERATING TEMP 540 DEGREE CELSIUS, WORKING PRESSURE 25 MPA, DENSITY 1.4G/CUBIC CM, SIZE O/DIAMETER 85-84.95MM, I/DIAMETER 65-65.05MM, 9 RINGS COMBINED IN ONE SET; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 60 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 69 | 101690 | PACKING, PREFORMED: INSIDE DIAMETER: 90 MM; OUTSIDE DIAMETER: 114 MM; THICKNESS: 12 MM; TYPE: VALVE; MATERIAL: GRAPHITE PURE 98 PCT; FOR WELLAND AND TUXHORN VALVES, OPERATING TEMP 540 DEGREE CELSIUS, WORKING PRESSURE 25 MPA, DENSITY 1.4G/CUBIC CM, 9 COMBINED IN ONE SET; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | 60 | ea |
| 70 | 682120 | PACKING: TYPE: IP CASING SUPPORT OUTLET; LENGTH: 145 MM; WIDTH: 70 MM; MATERIAL: ALLOY; OEM P/N: 2892-005, OEM: GE STEAM POWER SERVICE; DRAWING NO: MATIMBA 2892-005 | 60 | ea |
| 71 | 682121 | PACKING: TYPE: IP CASING SUPPORT OUTLET; LENGTH: 395 MM; WIDTH: 253 MM; MATERIAL: STEEL; OEM P/N: 2892-006, OEM: GE STEAM POWER SERVICE; DRAWING NO: MATIMBA 2892-006 | 60 | ea |
| 72 | 98110 | GASKET, PRE CUT: DIMENSIONS: ID 130 X OD 200 X THK 2 MM; TYPE: SERVO MOTOR; MATERIAL: PTFE MONTANIT; SHAPE: RD; OEM P/N: 5360-161, OEM: GE STEAM POWER SERVICE; 5160-161, OEM: GE STEAM POWER SERVICE; DRAWING NO: F42.59687-0047 REV 1; REFERENCE NO: 5330700070035; FOR USE ON HP SERVOMOTOR CONTROL VALVE | 30 | ea |
| 73 | 98113 | GASKET, PRE CUT: DIMENSIONS: WD 490 X LG 555 X THK 3 MM; TYPE: SERVO MOTOR; MATERIAL: MONTANIT; SHAPE: RD; OEM P/N: 5160-071, OEM: GE STEAM POWER SERVICE; 5360-071, OEM: GE STEAM POWER SERVICE; DRAWING NO: F42.59687-0044 REV 1; E42.59687-0044 REV 1; RECTANGULAR, USED ON HP/IP SERVOMOTOR CONTROL VALVE | 30 | ea |
| 74 | 98170 | GASKET, PRE CUT: DIMENSIONS: SQ 44 X THK 1 MM; TYPE: IP BYPASS CONTROL VALVE; MATERIAL: ASB COMPRESSED; SHAPE: SQ; OEM P/N: 7360-157, OEM: GE STEAM POWER SERVICE; 5660-134, OEM: GE STEAM POWER SERVICE; 7160-157, OEM: GE STEAM POWER SERVICE; ID 20.5 MM, MATERIAL IT400 DIN 2754 | 30 | ea |
| 75 | 98201 | GASKET, PRE CUT: DIMENSIONS: ID 50 X OD 132 MM; THICKNESS: 2 MM; TYPE: SHAFT; MATERIAL: GRAPHITE; SHAPE: ROUND; OEM P/N: 2480-048, OEM: GE STEAM POWER SERVICE; DRAWING NO: F42.26887-0201 REV 1; GLAND INLET/OUTLET SIDE; MATERIAL: SIGRAFLEX HOCHDRUK; FOR HP TURBINE; SUPPLIERS TO PROVIDE EXPIRY/MANUFACTURING DATE OF THE ITEM | 35 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 76 | 101071 | GASKET, PRE CUT: DIMENSIONS: ID 70 X THK 2 MM; TYPE: THRUST BEARING; MATERIAL: IT-OE; OEM P/N: 4930-068, OEM: GE STEAM POWER SERVICE | 30 | ea |
| 77 | 602634 | GASKET, RING JOINT: CROSS-SECTIONAL SHAPE: RD; INSIDE DIAMETER: 1.2 M; OUTSIDE DIAMETER: 1.35 M; THICKNESS: 3 MM; MATERIAL: GRAPHITE/FIBER SYNTHETIC; CODE: TOPGRAPH-2000; PRESSURE RATING: 400 KPA; OEM P/N: 8160-088, OEM: GE STEAM POWER SERVICE; 8160-087, OEM: GE STEAM POWER SERVICE; FOR TURBINE IP/LP CROSSOVER PIPES | 90 | ea |
| 78 | 608978 | GASKET: TYPE: GENERATOR ROTOR; DIMENSIONS: DIA 75 X THK 15 MM; MATERIAL: RUBBER; HOLES: 1; SHAPE: ROUND; APPLICATION: SEAL GENERATOR ROTOR D LEADS CONNECTIONS; SPECIFICATION: ISO 9001; OEM P/N: D38155471000, OEM: GE STEAM POWER SERVICE; DRAWING NO: 38103206 REV 0; 38102924 REV 0; RADIAL STUD BOLT; DIMENSIONS ARE APPROXIMATELY | 90 | ea |
| 79 | 624693 | GASKET: TYPE: RING; DIMENSIONS: ID 1.08 M X OD 1.13 M X THK 2 MM; MATERIAL: IT 00; STYLE: FLAT; SHAPE: RING; APPLICATION: TURBINE LUBE OIL COOLER; OEM P/N: 0081-018, OEM: GE STEAM POWER SERVICE; DRAWING NO: C45.00800-0065 REV 0 | 30 | ea |
| 80 | 624694 | GASKET: TYPE: RING; DIMENSIONS: ID 1.08 M X OD 1.13 M X THK 3 MM; MATERIAL: IT 400; STYLE: FLAT; SHAPE: RING; APPLICATION: TURBINE LUBE OIL COOLER; OEM P/N: 0081-020, OEM: GE STEAM POWER SERVICE; DRAWING NO: C45.00800-068 REV 0 | 30 | ea |
| 81 | 66825 | SEAL, RING: TYPE: VALVE SPINDLE SEAL; INSIDE DIAMETER: 52 MM; OUTSIDE DIAMETER: 75 MM; THICKNESS: 12 MM; MATERIAL: X22CRMOV121V; OEM P/N: 5120-077, OEM: GE STEAM POWER SERVICE; SUPPL P/N: 0075XJD52; DRAWING NO: F42.59299-0310 REV 1; FOR HP CONTROL VALVE SPINDEL | 140 | ea |
| 82 | 97759 | SEAL, OIL: TYPE: ENCASED; INSIDE DIAMETER: 13 MM; OUTSIDE DIAMETER: 22 MM; WIDTH: 5 MM; MATERIAL: RUBBER; SEALING MEMBER: SINGLE LIP; SPRING LOADED: YES; OEM P/N: 5160-337, OEM: GE STEAM POWER SERVICE | 30 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 83 | 97760 | SEAL, OIL: TYPE: HP CV SERVOMOTOR 70-80-7-10AS; INSIDE DIAMETER: 70 MM; OUTSIDE DIAMETER: 80 MM; WIDTH: 9.5 MM; MATERIAL: VITON; SEALING MEMBER: SINGLE LIP; OEM P/N: 5160-339, OEM: GE STEAM POWER SERVICE; 7660-056, OEM: GE STEAM POWER SERVICE; 5660-059, OEM: GE STEAM POWER SERVICE; SCRAPER RING | 30 | ea |
| 84 | 98098 | SEAL, OIL: TYPE: NON SPRING LOADED; INSIDE DIAMETER: 60 MM; OUTSIDE DIAMETER: 72 MM; WIDTH: 8.5 MM; MATERIAL: VITON; SEALING MEMBER: SINGLE LIP; OEM P/N: 7160-167, OEM: GE STEAM POWER SERVICE; REFERENCE NO: CFW1N1053 | 30 | ea |
| 85 | 98100 | SEAL, RING: TYPE: SEALING; INSIDE DIAMETER: 21 MM; OUTSIDE DIAMETER: 26 MM; THICKNESS: 1.4 MM; MATERIAL: CU; OEM P/N: 7360-121, OEM: GE STEAM POWER SERVICE; 5360-261, OEM: GE STEAM POWER SERVICE; 7160-121, OEM: GE STEAM POWER SERVICE; 5160-261, OEM: GE STEAM POWER SERVICE; REFERENCE NO: D7603 | 30 | ea |
| 86 | 98101 | SEAL, RING: TYPE: SERVOMOTOR; INSIDE DIAMETER: 48 MM; OUTSIDE DIAMETER: 55 MM; THICKNESS: 2 MM; MATERIAL: CU; OEM P/N: 7160-122, OEM: GE STEAM POWER SERVICE; 5360-264, OEM: GE STEAM POWER SERVICE; 7360-122, OEM: GE STEAM POWER SERVICE; 5160-264, OEM: GE STEAM POWER SERVICE; REFERENCE NO: D7603; USED ON IP ESV SERVOMOTOR | 30 | ea |
| 87 | 98104 | SEAL, RING: TYPE: U RING PISTON; INSIDE DIAMETER: 14 MM; OUTSIDE DIAMETER: 22 MM; THICKNESS: 5.5 MM; MATERIAL: VITON 83FKM/575; OEM P/N: 5360-337, OEM: GE STEAM POWER SERVICE; REFERENCE NO: NI150; USED ON THE HP SERVOMOTOR | 30 | ea |
| 88 | 98105 | SEAL, OIL: TYPE: SINGLE SEALING MEMBER; INSIDE DIAMETER: 70 MM; OUTSIDE DIAMETER: 82 MM; WIDTH: 8.5 MM; MATERIAL: VITON; SEALING MEMBER: DOUBLE LIP; SPRING LOADED: NO; OEM P/N: 5160-338, OEM: GE STEAM POWER SERVICE; 5360-338, OEM: GE STEAM POWER SERVICE; SOLID, RING SLOTTED, USED ON HP/IP CONTROL VALVE SERVOMOTOR | 75 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 89 | 98117 | SEAL, RING: TYPE: REHEAT TURBO GENERATOR; INSIDE DIAMETER: 28 MM; OUTSIDE DIAMETER: 39 MM; THICKNESS: 3 MM; MATERIAL: X20CR13G(VB); APPLICATION: CONTROL VALVE; SPECIFICATION: DIN 17440/EN 10088-2; OEM P/N: 5320-078, OEM: GE STEAM POWER SERVICE; 5620-062, OEM: GE STEAM POWER SERVICE; DRAWING NO: 5320078/1168 REV 0; F42.79299-0031 REV 1; SPARES FOR 665 MW REHEAT TURBO GENERATOR; USED ON IP BYPASS CONTROL VALVE | 80 | ea |
| 90 | 98202 | SEAL, RING: TYPE: SPLIT; INSIDE DIAMETER: 741 MM; OUTSIDE DIAMETER: 788 MM; THICKNESS: 6 MM; MATERIAL: 21CRMOV57V; APPLICATION: SHAFT INLET/OUTLET SIDE; OEM P/N: 2480-051, OEM: GE STEAM POWER SERVICE; 2480-052, OEM: GE STEAM POWER SERVICE; DRAWING NO: F42.24854-0105 REV 1; HALF ROUND, USED ON HP TURBINE | 80 | ea |
| 91 | 98270 | SEAL, RING: TYPE: OIL; INSIDE DIAMETER: 520 MM; OUTSIDE DIAMETER: 586 MM; MATERIAL: STAINLESS STEEL; APPLICATION: ROTOR SHAFT; OEM P/N: 8600-295, OEM: GE STEAM POWER SERVICE; SUPPL P/N: AR0430; REFERENCE NO: H2-5.6.7.8 | 20 | ea |
| 92 | 98431 | SEAL, RING: TYPE: STOP VALVE; INSIDE DIAMETER: 28 MM; OUTSIDE DIAMETER: 39 MM; THICKNESS: 3 MM; MATERIAL: X20CR13V; OEM P/N: 7320-051, OEM: GE STEAM POWER SERVICE; DRAWING NO: F42.79299-0031 REV 1; 7320051/1445 REV 0; USED ON IP EMERGENCY STOP VALVE | 40 | ea |
| 93 | 101080 | SEAL, RING: TYPE: VALVE; INSIDE DIAMETER: 12 MM; OUTSIDE DIAMETER: 18.5 MM; THICKNESS: 1 MM; MATERIAL: STL; OEM P/N: 5160-259, OEM: GE STEAM POWER SERVICE; 5360-259, OEM: GE STEAM POWER SERVICE; D7603, USED ON HP AND IP CONTROL VALVE SERVOMOTORS | 20 | ea |
| 94 | 101149 | SEAL, RING: TYPE: FRONT BEARING ASSEMBLY; INSIDE DIAMETER: 22 MM; OUTSIDE DIAMETER: 27 MM; THICKNESS: 1 MM; MATERIAL: COPPER; OEM P/N: 4210-011, OEM: GE STEAM POWER SERVICE; 4220-011, OEM: GE STEAM POWER SERVICE; 4230-061, OEM: GE STEAM POWER SERVICE; D7603, USED ON FRONT, HP-IP, IP-LP, LP-LP AND LP-GENERATOR BEARING ASSEMBLIES | 20 | ea |

CONTROLLED DISCLOSURE

| NO. | SAP MATERILA NO. | DESCRIPTIPON | QTY | UOM |
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| 95 | 101188 | SEAL, RING: TYPE: VALVE; INSIDE DIAMETER: 14 MM; OUTSIDE DIAMETER: 17.5 MM; THICKNESS: 1.3 MM; MATERIAL: STL; OEM P/N: 5160-260, OEM: GE STEAM POWER SERVICE; 5360-260, OEM: GE STEAM POWER SERVICE; USED ON HP AND IP CONTROL VALVE SRVOMOTORS | 20 | ea |
| 96 | 101540 | SEAL, RING: TYPE: HP AND IP CONTROL VALVE SERVOMOTOR; INSIDE DIAMETER: 27 MM; OUTSIDE DIAMETER: 37.5 MM; THICKNESS: 5.25 MM; MATERIAL: STL; OEM P/N: 5160-255, OEM: GE STEAM POWER SERVICE; 7360-007, OEM: GE STEAM POWER SERVICE; 5160-262, OEM: GE STEAM POWER SERVICE; 5360-262, OEM: GE STEAM POWER SERVICE | 20 | ea |
| 97 | 682106 | SEAL, RING: TYPE: LP CASING COOLING SYSTEM; INSIDE DIAMETER: 20 MM; OUTSIDE DIAMETER: 26 MM; THICKNESS: 1.5 MM; MATERIAL: ALUMINIUM; OEM P/N: 2782-028, OEM: GE STEAM POWER SERVICE; DRAWING NO: 2782-028 REV 0 | 20 | ea |
| 98 | 693021 | SEAL, RING: INSIDE DIAMETER: 42 MM; OUTSIDE DIAMETER: 49 MM; THICKNESS: 2 MM; APPLICATION: HP CONTROL CV SERVOMOTOR; OEM P/N: 5160-164, OEM: GE STEAM POWER SERVICE; DRAWING NO: B42.51600-0187 REV 0; REFERENCE NO: SZ50001760 | 20 | ea |
| 99 | 700976 | SEAL, RING: TYPE: ROTATHERM, SQUARE; INSIDE DIAMETER: 64.4 MM; OUTSIDE DIAMETER: 85 MM; THICKNESS: 10 MM; MATERIAL: GRAPHITE; APPLICATION: IP BYPASS CONTROL VALVE; SPECIFICATION: 0901/B5; OEM P/N: 5620-085, OEM: GE STEAM POWER SERVICE | 20 | ea |

CONTROLLED DISCLOSURE