

 Eskom	Tender Questions and Answers	Document Identifier	240-7124948	Rev	1
		Effective Date	01 April 2023		
		Review Date	April 2031		

To whom it may concern	Date	<u>27 July 2026</u>
	Enquiries	<u>Nancy Tshwenyane</u>
	E-mail address	<u>TshwenLN@eskom.co.za</u>

Dear Sir/Madam

Request for Enquiry Number	E3211GXMPTUT
Description / Project Title	Refurbishment of Gearboxes & Geared Motors and supply of new Gearboxes & Geared Motors “as and when” required basis for a period of 5 years.
Tender Questions Closing Date	<u>05 August 2026</u>

NB: The tenderer will notify Eskom of any clarifications required before closing time for clarification queries, which is five (5) working days before the deadline for tender submission.

	Questions	Answers	Clarity Published Dates
1.	Is this tender going to be split to for rewinders and g/box suppliers – meaning is it only going to be awarded to 1 contractor or is it going to be split?	No the tender will not be split. The motor and gearbox are sent away for repairs and both units should be repaired.	2026-07-29
2.	Are the units going to be sent out as a complete unit – gearbox motor units or is going to be separate – motors and gearboxes separately.?	For geared motors - Units will be sent out as a complete unit(Motor and gearbox). For the other gearboxes that are stand alone units the gearboxes alone will be sent for refurbishment and it's the responsibility of the supplier to provide a motor for testing of these units.	

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		There geared motors which will be sent out an a complete unit however the other gearboxes will be sent out as a gearbox only.	
3.	Comprehensive OEM Part Numbers / Nameplate Data While the BOQ provides Eskom Stock Numbers for all 53 items, our suppliers require the specific OEM part numbers, serial numbers, or detailed nameplate data for all items on the pricing schedule. For example, items like Item 9 (Stock No: 573122 - Dymot geared electric winch) do not have ratios or power ratings listed. Could you please provide a comprehensive breakdown of the OEM part numbers corresponding to all 53 Eskom Stock Numbers?	We have very limited information available and shared the information we have under the component description in the table from the 15ENG GEN-3074 table. I included, on the gearboxes that have additional information available, the additional information in the table below :	
4.	Engineering Drawings Could you please provide the General Arrangement (GA) drawings or mechanical schematics for all the gearboxes listed in the BOQ? If drawings are not available for all items, please confirm if our suppliers should rely strictly on standard OEM specifications and the "Strip & Assess" process for the refurbishment pricing.	There are no drawing available for the gearboxes so suppliers should rely on standard OEM specifications and the "Strip & Assess" process for the refurbishment pricing.	
5.	For the refurbishing pricing schedule the following is expected: 1. Price for Strip and assess(Standard) for each gearbox. Therefore for Option 1: * Collection and transportation requirements - Included * Cleaning and dismantling requirements- Included * Inspection and condition assessment requirements- Included * NDT, MPI and dye penetrant testing requirements- Included * Reporting and failure analysis requirements- Included * Requirements for reassembly following assessment- Included * Deliverables and documentation required- Included		

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2. The standard refurbishment price for each gearbox. This price should specify the cost to do a standard repair on the gearbox or geared motors. This mainly looks at seals, bearings and testing. Therefore for option 2: * Minimum components to be replaced as standard - Included * Bearing and seal replacement requirements- Included * Requirements for gears, shafts, keys, fasteners and breathers- Included * Machining and repair activities to be included- Included for only basic machining and repairs * Painting and corrosion protection requirements- Included * Testing and quality assurance requirements- Included * Documentation and certification requirements- Included 3. The major/ comprehensive component refurbishment. This looks at the additional components that will be typically required on a major failure and needs to look at the worst case scenario, therefore shaft and gear replacement. Each component of the gearbox should be quoted for separately(e.g separate price for shaft and gear replacement). Therefore for option 3: * Confirmation whether pricing should include replacement of all defective components identified during strip-and-assess- Include a full internal replacement. Assume the maximum Scope of work, without scrapping the gearbox or geared motor. * Requirements relating to gear replacement, regrinding and profile restoration- Included * Requirements relating to shaft repairs, re-machining and metallurgical repairs- Included * Requirements relating to casing repairs and bore restoration- Included, but excluding casing replacement.		
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	* Requirements relating to bearings, seals, lubrication systems and ancillary components- Included * Factory acceptance testing and witness testing requirements- Included * Quality control plans, data packs and certification requirements- Included * Any exclusions, limitations or approval thresholds applicable where refurbishment costs exceed a specified percentage of the replacement value- This will refer to the maximum scope of work before declaring that the gearbox or geared motor is damaged beyond economical repairs.		
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Location	Component Description	Qty	Estimated refurbishment for 5 years	Estimated New gearboxes for 5 years	Stock Nr	SAP Description
ASH Disposal Plant						
Spreader Boom	Flender KZA 200	1	3	1	176836	GEARBOX: TYPE: REDUCTION; RATIO: 16:1; SPEED: 1465 RPM; POWER: 23 KW;
Extendable Tension Winch Gearbox	Dymot geared electric winch	2	4	2	573122	WINCH: TYPE: CONVEYOR ASH EXTENDIBLE; CAPACITY: 8000 KG; DIMENSIONS: WD 0.65 X LG 1.5 X HT 0.6 M; REFERENCE NO: 19980\15355; MOTOR SPEED: 1415 RPM; 2.2 KW; 380 V; BI-DIRECTION; ROPE SIZE: 20-101 A; IP66
Tripper car travel drives gearbox	Motor Geared Speed: 1420 rpm 1.1kW	16	8	3	140733	MOTOR, GEARED: POWER: 1.1 KW; OUTPUT SPEED: 6.2 RPM; POTENTIAL: 220/380 V; MOTOR SPEED: 1420 RPM; MOUNTING: FLANGE; ENCLOSURE RATING: IP65; INSULATION CLASS: F; SERVICE FACTOR: S3/S6; REFERENCE NO: AG53-12/DK84-200L BR; BAUER SHAFT MOUNTED, COMPLETE WITH A GBZ100WS BRAKE AND RUBBER BUFFERS, 60 PCT, BRAKING TORQUE 25NM, SF INSTALLED 1.82, CONNECTION DELTA/STAR, 50 HZ, SPECIAL EXECUTION TO BE PAINTED WITH CORRO 2 PAINT TYPE MLE10, MOUNTING H1/I/A

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Spreader gearbox	KZA 200 GB HOLLOW SHAFT	1	0	3	29146	No additional information
Coal Stock Yard						
20,21	David Brown, BEW 65M - Worm shaft Ratio: 40:1	2	2	1	772019	GEARBOX: TYPE: REDUCTION; RATIO: 40:1; SPEED: 1440 RPM; POWER: 5.5 KW; APPLICATION: CONVEYOR 20 & 21; GEARBOX TYPE: REDUCTION GEARBOX RATIO: 40:1 SPEED: 1440 RPM POWER: 5 5 KW SERIAL NUMBER: W86-2059 MODEL: DAVID BROWN BEW 65M SHAFT TYPE: WORM SHAFT
23	Hansen RDE43 ANR Ratio: 100:15:1	6	4	2	772020	GEARBOX: TYPE: REDUCTION; RATIO: 100:15:1; SPEED: 1440 RPM; POWER: 5.5 KW; APPLICATION: CONVEYOR 23; GEARBOX: TYPE: REDUCTION GEARBOX RATIO: 100:15:1 SPEED: 1440 RPM POWER: 5 5 KW SERIAL NUMBER: RDE43 ANR MODEL: HANSEN
Stacker/Reclai mer Elevator conveyor	David Brown, Radicon B2-SF200 Speed:1460r pm	2	6	0	553274	GEARBOX: TYPE: BUCKET ELEVATOR; SPEED: 1460 RPM; POWER: 15-16/32 KW; SHAFT SIZE: 125 MM;

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Stacker/Reclai mer boom gearbox	Hansen Gearbox: 36 AN, Reduction	2	3	0	25935	No additional information available
Buffalo feeders reduction gearbox - Left	GEARBOX: REDUCTION; Ration 88:2;1 1500 RPM; 132 KW	3	2	1	772131	Ration 88:2;1
Buffalo feeders reduction gearbox - Right	GEARBOX: REDUCTION; 88:2; 1500 RPM; 132 KW	3	2	1	772130	Ration 88:2;1
Buffalo feeders Planetary gearbox	Bonfiglio, Gear Unit Assembly HDO120/317 Planetary	4	4	1	725112	GEARBOX: TYPE: PLANETARY HDP 120 3 H R2 VP; RATIO: 17.1 RPM; SPEED: 1490 RPM; POWER: 132 KW; SUPPL P/N: 52-1561RH_715-1; PLANETARY; MOUNT POSITION B3
Air heater						

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Clarifier bridge drive	Nord Gears Gearbox, Bridge drive, 0.37kW Speed: 1375 rpm	6	6	1	26656	MOTOR, GEARED: POWER: 0.37 KW; CURRENT: 1.94 A; OUTPUT SPEED: 206 RPM; POTENTIAL: 220 V; MOTOR SPEED: 1375 RPM; ENCLOSURE RATING: IP54; PHASE: 3; GEARBOX TYPE: REDUCTION; INSULATION CLASS: B; SERVICE FACTOR: S1; REFERENCE NO: MOTOR SK505-015-71L/4; BRIDGE DRIVE, MOTOR: REV 25 PM, TORQUE: 12 NEWTON METRE, DELTA CONNECTION, STAR CONNECTION, POWER FACTOR COS 0.76, 50 HERTZ				

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