

PART 3: SCOPE OF WORK

Document reference	Title	No of pages
	This cover page	1
C3.1	<i>Purchaser's Goods Information</i>	
C3.2	<i>Supplier's Goods Information</i>	
	Total number of pages	

C3.1: PURCHASER'S GOODS INFORMATION

Contents

Part 3: Scope of Work	1
C3.1: Purchaser's Goods Information	2
1 Overview and purpose of the goods and services	4
2 Specification and description of the goods	23
2.1 Purchaser's design	24
2.2 Procedure for submission and acceptance of Supplier's design	24
2.3 Other requirements of the Supplier's design	25
2.4 Use of Supplier's design	25
2.5 Manufacture & fabrication	25
2.6 Factory acceptance testing (FAT)	25
2.7 Other tests and inspections and commissioning in place of use	25
2.8 Operating manuals and maintenance schedules	26
3 Supply Requirements	26
4 Specification of the services to be provided	26
5 Constraints on how the Supplier Provides the Goods	27
5.1 Programming constraints	27
5.2 Work to be done by the Delivery Date	27
5.3 Marking the goods	27
5.4 Constraints at the delivery place and place of use	27
5.5 Cooperating with Others	28
5.6 Services & other things to be provided by the Purchaser or Supplier	28
5.7 Management meetings	28
5.8 Documentation control	28
5.9 Health and safety risk management	29
5.10 Environmental constraints and management	29
5.11 Quality	29
5.12 Invoicing and payment	29
5.13 Insurance provided by the Purchaser	30
5.14 Contract change management	30
5.15 Provision of bonds and guarantees	30
5.16 Records of Defined Cost, payments & assessments of compensation events to be kept by the Supplier	30
6 Procurement	30

6.1	Subcontracting.....	30
6.1.1	Preferred subcontractors	30
6.1.2	Limitations on subcontracting	30
6.1.3	Spares and consumables	30
6.1.4	Other requirements related to procurement.....	30
6.1.5	Cataloguing requirements by the <i>Supplier</i>	30
N/A	30	
7	List of drawings.....	31
C3.2	Supplier's Goods Information	31

1 Overview and purpose of the goods and services

Works Information

Provision of Supply and delivery of Gearboxes on five (5) year's period for Kusile Power Station with Technical Specification in Table 1

Item nr	Material Number	Description	Unit	Quantity	Rate	Price
1	0649044	GEARBOX: APPLICATION: ASH PLANT; SUPPL P/N: G86-H150B011; LOOPRING; 4072QR10838; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		4		
2	0649043	GEARBOX: APPLICATION: ASH PLANT; SUPPL P/N: X65-0311514012; AFDICHTRING V BASL 115X140X12; 4072QR10838; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		4		
3	0710056	GEARBOX: TYPE: 3 STG; RATIO: 191.02:1; SPEED: 1455 RPM; POWER: 5.5 KW; APPLICATION: ASH RECLAIMER MACHINE; SPECIFICATION: KZ148-LA132SP4E-L80GHA; BEVEL HELICON; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION		4		

		NUMBER (IF APPLICABLE).				
4	0648212	GEARBOX: TYPE: BALANCE MACHINE; RATIO: 48:1; SPEED: 1392/29 RPM; POWER: 45 KW; SHAFT SIZE: 45K6 MM; APPLICATION: ASH CONDITIONER; ROTATION DIRECTION: CLOCK/ANTI CLOCKWISE; SUPPL P/N: 14226566050/1; SPECIFICATION: HD0-1103LPL1G225; REFERENCE NO: 2FB6301AH10001; MOUNTING: B3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		12		
5	0649042	GEARBOX: APPLICATION: ASH PLANT; SUPPL P/N: 268-9RBV10514X; GAMMASEAL 9RB105143055 VIT RVS; 4072QR10838; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		4		
6	0756238	GEARBOX: TYPE: BEVEL HELICAL; RATIO: 15.96 : 1; SPEED: 94 RPM; POWER: 400 KW; SHAFT SIZE: 80M6 X170 KEYED MM; APPLICATION: ASH CONVEYOR MAIN DRIVE; ROTATION DIRECTION: DUAL OUTPUT SHAFT MULTI DIRECTIONAL;		4		

		<p>MANUF P/N: X3KR210E/HU/B; DRAWING NO: A04682; INPUT SPEED 1500RPM, OUTPUT SHAFT 195H6 X 283 MM SOLID SHAFT WITHOUT KEYWAY, TYPE OF LUBRICATION SPLASH LUBRICATION.; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>			
7	0710060	<p>GEARBOX: TYPE: 3 STG; RATIO: 191.02:1; SPEED: 7.6 RPM; POWER: 5.5 KW; APPLICATION: ASH STACKER MACHINE; SPECIFICATION: KZ148- LA132-ZMP4E-L80-100NM; BEVEL HELICON; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>		4	
8	0683105	<p>GEARBOX: TYPE: PLANETARY RIGHT ANGLE; RATIO: 214:1; SPEED: I/P: 1470 X O/P: 6.87 RPM; POWER: 5.5 KW; SHAFT SIZE: IP 75 H7 X OP 90 H7 MM; APPLICATION: RADIAL STACKER TRAVEL DRIVE; ROTATION DIRECTION: CLOCKWISE AND COUNTER CLOCKWISE; SUPPL P/N: 306-R4-214-FP-P132-B0- G0A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING</p>		8	

		AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
9	0649045	GEARBOX: APPLICATION: ASH PLANT; SUPPL P/N: U65-0319022012; AFDICHTRING BASL 190X220X12; 4072QR10838; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		4		
10	0645223	GEARBOX: TYPE: SPEED REDUCER; RATIO: 15.5:1; SPEED: I/P 1480; O/P 95.48 RPM; POWER: 365 KW; SHAFT SIZE: I/P DIA 70 X LG 125; O/P DIA 140 X LG 200 MM; APPLICATION: CONVEYOR DRIVE; ROTATION DIRECTION: BI DIRECTIONAL; DRAWING NO: CD00002170REV3 REV 0; MODEL NO: HDD120-2-1SS-LP-D1-VP-B3-FAN-TK; REFERENCE NO: 422635102; DOUBLE OUTPUT; OVERLAND CONVEYORS; BEVEL HELICAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		4		
11	0698719	GEARBOX: TYPE: BEVEL GEAR; RATIO: 3:1; SPEED: 5.6 RPM; POWER: 0.25 KW;		12		

		APPLICATION: NON RISING SPINDLE GATE VALVE; ROTATION DIRECTION: CLOCKWISE & ANTICLOCKWISE; DRAWING NO: BEVEL GEAR - MOV- 020-ASSY REV 0; REFERENCE NO: B2130812; DIRTY WATER CONTROL VALVE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMB0756236ER (IF APPLICABLE).				
12	0756236	GEARBOX: TYPE: BEVEL HELICAL; RATIO: 12.24 : 1; SPEED: 123 RPM; POWER: 75 KW; SHAFT SIZE: 50K6 X 110 KEYED MM; APPLICATION: ASH STACKER MAIN DRIVE; MANUF P/N: X2KR110E/HU/B; DRAWING NO: A04681; INPUT SPEED 1500 RPM, OUTPUT SHAFT 85V6 X131 MM, SOLID SHAFT WITHOUT KEYWAY, TYPE OF LUBRICATION SPLASH LUBRICATION.; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	4			
13	0700696	GEARBOX: TYPE: BEVEL HELICON THREE STAGE; RATIO: 167.50:1; SPEED: 8.7 K/MIN; POWER: 11 KW; APPLICATION: LIMESTONE STACKER MACHINE; SUPPL P/N: KZ168-LA160-MP4E-L150-GHA; S/N: JHK410 470-	3			

		1408-624; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
14	0700664	GEARBOX: TYPE: BEVEL HELICON GEARBOX THREE STAGE; RATIO: 191.02:1; SPEED: 7.6 MIN; POWER: 5.5 KW; APPLICATION: LIMESTONE RECLAIMER MACHINE; SUPPL P/N: KZ148-LA132-SP4E-L80-GHA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		3		
15	0662538	GEARBOX: TYPE: PLANETARY; RATIO: 10:1; SPEED: 1.54 RPM; POWER: 0.16 KW; SHAFT SIZE: 18 MM; APPLICATION: LIMESTONE HYDRAULIC FEEDER DRIVE; ROTATION DIRECTION: CLOCKWISE; SUPPL P/N: 2572-00-02-01; SPECIFICATION: TH-CD-2572-00-02; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		3		
16	0681577	GEARBOX: TYPE: REDUCTION; RATIO: 11.2:1; SPEED: 1445 RPM; POWER: 20 KW; SHAFT		2		

		SIZE: 101.5 MM; APPLICATION: COAL STACKER 1 AND 2 - CABLE REEL; ROTATION DIRECTION: CLOCKWISE AND COUNTER CLOCKWISE; SUPPL P/N: 2081624271; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
17	0659892	GEARBOX: TYPE: PLANETARY; RATIO: 1:2; SPEED: 0.57 RPM; POWER: 0.2 KW; SUPPL P/N: MP1-00013-000-01; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
18	0703897	GEARBOX: TYPE: BEVEL HELICAL; RATIO: 715-1; SPEED: 1500 RPM; POWER: 90 KW; APPLICATION: FEEDER 1600; ROTATION DIRECTION: RH; SUPPL P/N: 52-1561-RH-715-1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
19	0648473	GEARBOX: TYPE: HELICAL; RATIO: 49.596:1; SPEED: 1480 RPM; POWER: 334 KW; SHAFT SIZE: I/P 60 X O/P		2		

		185 MM; APPLICATION: RECLAIMER 1-3 DRUM DRIVE; SUPPL P/N: GB21/TPS-69; DRAWING NO: 0.84/10342 REV 0; PARALLEL SHAFT: TRIPPLE REDUCTION; DATASHEET SHALL BE SUPPLIED WITH EVERY DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
20	0650084	GEARBOX: TYPE: BEVEL HELICAL GEAR UNIT; SPEED: 12.29-1.64 RPM; APPLICATION: DRIVE COAL FEEDER GEARBOX MILLING PLANT; SUPPL P/N: SP-KUS-F2-05403; SPLASH LUBRICATION; DESIGN: H11; TORQUE: 8007NM; BEARINGS; GEAR TEETH; SEALS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
21	0664364	GEARBOX: TYPE: SLEW DRIVE 1; RATIO: 1.09; SPEED: 1.61 RPM; POWER: 0.37 KW; SHAFT SIZE: 80 MM; APPLICATION: STACKER HYDRAULIC SYSTEM 0 1EAD30 AE001-MG01; ROTATION DIRECTION: FORWARD/REVERSE; SUPPL P/N: 0973 0 07404-1-10.1; SPECIFICATION: 0973 0 07404-1; VENDORS ARE RESPONSIBLE FOR		2		

		ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
22	0648472	GEARBOX: TYPE: ANGULAR HELICAL BEVEL; RATIO: 238:1; SPEED: 1440 RPM; POWER: 9.2 KW; APPLICATION: RECLAIMER 1-3 MAIN TRAVEL; ROTATION DIRECTION: BI DIRECTIONAL; SUPPL P/N: GB19/WUV100QL; DRAWING NO: 0.90/51388 REV 0; OUTPUT SHAFT: SOLID SHAFT WITH KEY; 4-STAGES; DATASHEET SHALL BE SUPPLIED WITH EVERY DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
23	0629760	GEARBOX: TYPE: PLANETARY; RATIO: 35:8; SPEED: 350 RPM; POWER: 250 KW; SHAFT SIZE: 280 MM; APPLICATION: FEEDER CONVEYOR FDR-1; ROTATION DIRECTION: MULTITURN; SUPPL P/N: PN319L2.24/5FP.SF.V9AE-A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		

24	0647322	GEARBOX: TYPE: BEVEL HELICAL; RATIO: 234.6:1; SPEED: 5.05 RPM; POWER: 7.5 KW; APPLICATION: STACKER TRAVEL DRIVE; ROTATION DIRECTION: CLOCK/ANTI CLOCKWISE; SUPPL P/N: GB23/BK90Z-52HR/D13MA4; DATASHEET SHALL BE SUPPLIED WITH EVERY DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	2		
25	0645224	GEARBOX: TYPE: SPEED REDUCER; RATIO: 1.19:5; SPEED: I/P 1480; O/P 75.89 RPM; POWER: 298 KW; SHAFT SIZE: I/P DIA 55 X LG 100; O/P DIA 140 X LG 200 MM; APPLICATION: CONVEYOR DRIVE; ROTATION DIRECTION: BI DIRECTIONAL; DRAWING NO: CD00002171REV03 REV 0; MODEL NO: HD0-120-3-19.S-LP-D1-VP-B3-FAN-TK; REFERENCE NO: 424689601; DOUBLE OUTPUT; APPLICABLE ON TRANSVERSE CONVEYORS; RATED TORQUE: 34750NM; BREATHER: GB16; OUTPUT COUPLING: TC30.330.560 D140/160; INPUT COUPLING REDUCER: TC109H D60D55; TK PIPING KIIS; INPUT COUPLING MOTOR: BR236 "BLK" 060D55; BEVEL HELICAL; VENDORS ARE	4		

		RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
26	0662392	GEARBOX: TYPE: PLANETARY; RATIO: 100:1; SPEED: 115 RPM; POWER: 11 KW; SHAFT SIZE: 8 MM; APPLICATION: TERRACE CONVEYOR HYDRAULIC DRIVE AND CYLINDER EXTENSION SYSTEM; ROTATION DIRECTION: CLOCKWISE; SUPPL P/N: 2570-00-03-01; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
27	0687606	GEARBOX: TYPE: BEVEL; RATIO: 10:1; SPEED: 232 RPM; POWER: 2 KW; SHAFT SIZE: DIA 28 MM; APPLICATION: LIMESTONE ST AND ASH RECLAIM; ROTATION DIRECTION: LH/RH; SUPPL P/N: 1691/3; REFERENCE NO: BK50/34V/IEC112/SP; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
28	0664366	GEARBOX: TYPE: SLEW DRIVE 2; RATIO: 1.18; SPEED: 2 RPM; POWER: 0.45 KW; SHAFT SIZE: 80		2		

		MM; APPLICATION: STACKER HYDRAULIC SYSTEM 0 1EAD30 AE002-MG01; ROTATION DIRECTION: FORWARD/REVERSE; SUPPL P/N: 0973 0 07404-1-11.1; SPECIFICATION: 0973 0 07404-1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
29	0661441	GEARBOX: TYPE: DECLUTCHABLE; RATIO: 104:1; SPEED: 22 RPM; POWER: 1 KW; APPLICATION: GEAR OPERATOR; SPECIFICATION: ILG/D5000-SG600; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		6		
30	0661440	GEARBOX: TYPE: DECLUTCHABLE; RATIO: 68:1; SPEED: 1 RPM; POWER: 0.12 KW; APPLICATION: GEAR OPERATOR; SPECIFICATION: ILG/D2400-SG600; REFERENCE NO: SH784514; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		3		

31	0662106	<p>GEARBOX: TYPE: HELICAL; RATIO: 3.62; SPEED: 1475/408 RPM; POWER: 55 KW; SHAFT SIZE: 90 MM; APPLICATION: PUMP; ROTATION DIRECTION: BIDIRECTIONAL; SPECIFICATION: SK82-IEC250; REFERENCE NO: 2007-37639-100-14421117; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>		3		
32	0620426	<p>GEARBOX: TYPE: BEVEL HELICAL; RATIO: 33.88:1; SPEED: 1455/43 RPM; POWER: 30 KW; SHAFT SIZE: 110 MM; APPLICATION: AERATOR; ROTATION DIRECTION: CLOCK/ANTI CLOCKWISE; MODEL NO: ZR168K2S200L4-W; REFERENCE NO: JHK0908-3001588046/3; MOUNTING: V1-1A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).</p>		3		
33	0689928	<p>GEARBOX: TYPE: PARALLEL SHAFT; RATIO: 35.29; SPEED: 41 RPM; POWER: 1.5 KW; APPLICATION: AGITATOR; DRAWING NO: 128D 001 REV 0; REFERENCE NO: FDU1111/2074065 001/2/3; SPECIFICATION: FZAM88B-K4-(90),</p>		3		

		PLEASE PROVIDE THE FOLLOWING WITH THE GEARBOX: DRAWING, DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
34	0689922	GEARBOX: TYPE: HELICAL GEAR; RATIO: 8.92; SPEED: 203 RPM; POWER: 3.3 KW; APPLICATION: AGITATOR; MODEL NO: 2047; REFERENCE NO: C23001/01; INCLUDING MOTOR ADAPTOR TO SUIT EXISTING 0.37KW MOTOR AND MALE FLANGE RIGID COUPLING, PLEASE PROVIDE THE FOLLOWING WITH THE GEARBOX: DRAWING, DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		1		
35	0690184	GEARBOX: TYPE: HELICAL GEAR; RATIO: 4.5; SPEED: 77 RPM; POWER: 13.5 KW; APPLICATION: AGITATOR; MANUF P/N: C22883/01; MODEL NO: 2087; INCLUDING MOTOR ADAPTOR TO SUIT EXISTING 3KW MOTOR AND MALE FLANGE RIGID COUPLING, PLEASE PROVIDE THE FOLLOWING WITH THE		1		

		GEARBOX: DRAWING, DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
36	0690185	GEARBOX: TYPE: HELICAL GEAR; RATIO: 12.68; SPEED: 110.4 RPM; POWER: 0.75 KW; APPLICATION: AGITATOR; DRAWING NO: 1.02.4908/9 REV 0; REFERENCE NO: 201018053-100 16951418/9; SPECIFICATION: SK572.1FIEC80, PLEASE PROVIDE THE FOLLOWING WITH THE GEARBOX: DRAWING, DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
37	0689929	GEARBOX: TYPE: HELICAL GEAR; RATIO: 3.45; SPEED: 101 RPM; POWER: 7.6 KW; APPLICATION: AGITATOR; MODEL NO: 2077; REFERENCE NO: C22257/02; INCLUDING MOTOR ADAPTOR TO SUIT EXISTING 22KW MOTOR AND MALE FLANGE RIGID COUPLING, PLEASE PROVIDE THE FOLLOWING WITH THE GEARBOX DRAWING, DATA SHEET AND		2		

		MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
38	0689904	GEARBOX: TYPE: HELICAL GEAR; RATIO: 14.18; SPEED: 222 RPM; POWER: 7.8 KW; APPLICATION: AGITATOR; MODEL NO: 2057; REFERENCE NO: C22257/01; INCLUDING MOTOR ADAPTOR TO SUIT EXISTING 0.55 KW MOTOR AND MALE FLANGE RIGIF COUPLING, PLEASE PROVIDE THE FOLLOWING WITH THE GEARBOX: DRAWING, DATA SHEET AND MANUAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		1		
39	0676747	GEARBOX: TYPE: PARALLEL SHAFT GEAR UNIT; RATIO: 32.34; SPEED: 44 RPM; POWER: 3 KW; SHAFT SIZE: 60 MM; APPLICATION: DEWATERING AREA SUMP AGITATOR; ROTATION DIRECTION: CLOCKWISE; DRAWING NO: 2024736-0 REV 0; SPECIFICATION: SK4282 VF VL2; REFERENCE NO: 200762844-200; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING		2		

		AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
40	0676746	GEARBOX: TYPE: PARALLEL SHAFT GEAR UNIT; RATIO: 45.02; SPEED: 32 RPM; POWER: 7.5 KW; SHAFT SIZE: 80 MM; APPLICATION: BLOWDOWN TANK AGITATOR; ROTATION DIRECTION: CLOCKWISE; SPECIFICATION: SK7282 VF VL2; REFERENCE NO: 200964785-100; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
41	0676745	GEARBOX: TYPE: PARALLEL SHAFT GEAR UNIT; RATIO: 26.4; SPEED: 54 RPM; POWER: 3 KW; SHAFT SIZE: 80.01 MM; APPLICATION: ABSORBER AREA SUMP AGITATOR; ROTATION DIRECTION: CLOCKWISE; SPECIFICATION: SK4282 VF VL2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		6		
42	0676750	GEARBOX: TYPE: PARALLEL SHAFT GEAR UNIT; RATIO: 26.43; SPEED: 54 RPM; POWER: 3 KW; SHAFT SIZE: 80 MM; APPLICATION: REAGENT DISTRIBUTION		2		

		AREA SUMP AGITATOR; ROTATION DIRECTION: CLOCKWISE; SUPPL P/N: 200762844-300; SPECIFICATION: SK4282 VF VL2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
43	0641320	GEARBOX: TYPE: HELICAL BEVEL GEAR UNIT; RATIO: 13.1; SPEED: 5.1 RPM; POWER: 30 KW; APPLICATION: PANTOGRAPH; ROTATION DIRECTION: BI DIRECTIONAL; SUPPL P/N: A703-UH7013.1 HSB3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		2		
44	0676751	GEARBOX: TYPE: PARALLEL SHAFT GEAR UNIT; RATIO: 18.7; SPEED: 78 RPM; POWER: 11 KW; SHAFT SIZE: 100 MM; APPLICATION: REAGENT PREPARATION AREA SUMP AGITATOR; ROTATION DIRECTION: CLOCKWISE; DRAWING NO: 2024735-0 REV 0; SPECIFICATION: SK6282 VF VL2; REFERENCE NO: 2000762844-100; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION		2		

		NUMBER (IF APPLICABLE).				
45	0713697	GEARBOX: TYPE: 1/4 TURN; RATIO: 208:1; SPEED: 208 RPM; POWER: 28 KW; SHAFT SIZE: 60 MM; APPLICATION: COMBUSTION DAMPER; ROTATION DIRECTION: CLOCKWISE AND COUNTERCLOCKWISE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		6		
46	0654592	GEARBOX: TYPE: PLANETARY BEVEL; SPEED: 990/28.49 RPM; POWER: 920 KW; APPLICATION: COAL MILL; SUPPL P/N: KPV1750S; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		6		
47	0654956	GEARBOX: TYPE: BEVEL GEAR; SPEED: 1375/3.9 RPM; APPLICATION: DRIVE CLEAN OUT CONVEYOR GEARBOX MILLING; SUPPL P/N: SP-KUS-F2-05032; OUTPUT: 1346NM; DESIGN: H1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF		6		

		APPLICABLE).				
48	0654830	GEARBOX: TYPE: WORM; APPLICATION: GATE VALVE PRIMARY AIR MILL 10; 20; 30; 40; 50; SUPPL P/N: GS125.3; HYDRO MECHANICAL TRANSMISSION; DIMENSIONS: WD 1910 X LG 2110MM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		6		
49	0645162	GEARBOX: TYPE: MILL; SUPPL P/N: SP-KUS-F2- 35015; DRAWING NO: B114115-35-03-IG04- 00001 REV 0; SPECIFICATION: BG030; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).		6		

The total of the Prices

2 Specification and description of the goods

Documentation

The following are the *Supplier's* requirements:

- a. The Supplier will supply any additional information such as brochure, general arrangement drawing, certificates, detailed specification, data sheet, Settings Document for programmable electronic cards etc. Check sheets or drawings for quality inspections.
- b. The Supplier provides the Employer with additional spares information if so, required by the end-user

- c. The supplier shall supply the preservation, storage, and handling procedures, where applicable.
- d. The Supplier must ensure that all components supplied must be individually packed in such a way as to protect the parts during transport and storage. The packaging must also include the necessary labels to identify the items.
- e. The spare must be to the exact same specification as installed in the plant and specified on this scope of work document. Notwithstanding the stipulated condition that the Supplier is responsible for verifying the correctness of the spare's information provided by the Employer in relation to the existing installed spare. This may include the Supplier consulting the original supplier of the spare to ensure correctness of information provided by the Employer.
- f. The Supplier will ensure proper handling of the spares (from procurement of equipment, storage, and transportation).
- g. The Employer may make clarification sessions available to either prospective Supplier/s to further assist the prospective Supplier's to meet the requirements of the work to be performed by the Supplier.

2.1 Purchaser's design

Lists all the spares to be procured under this SOW. This list corresponds to the provided electronic copy of the DCF's that contain more information about the required spares.

Each spare is identifiable by means of an Eskom SAP Material number (as is used in the Power Station), part description, OEM and/or OEM part number.

2.2 Procedure for submission and acceptance of Supplier's design

N/A

Obsolescence

The supplier shall inform the Employer immediately where spares are found to be obsolete, the supplier shall provide equivalent technical datasheets for approval by the end-user before initiating any procurement. No equivalent spares shall be accepted upon delivery if prior consent was not received from Eskom Power Station Engineering.

Acceptance of spares

Spares Identification

The spares to be procured under this SOW shall be identifiable or marked by means of the following.

- a. Eskom SAP Material number (as is used in the Power Station)
- b. Part description
- c. OEM and/ or OEM part number

Packaging

1. All supplied spares shall be packaged in such a manner that they will be transported and stored without damage. This includes preventing damage due to moisture ingress, dust, and foreign objects. All spares shall be packaged and placed on a pallet crate for ease of handling.

2. Where possible, packaging to be such that procured spares can be positively identified through the packaging. Where this is not possible, the packaging to be such that it allows opening and closing of packaging and still maintain the packaging integrity thereafter.

3. Different spare types shall be packaged separately such that each spare type can be stored separately. Packaging shall be such that the spare can be identified without opening the packaging. Packaging shall be of material that will not be damaged, to an extent possible, by harsh weather conditions during transportation. If that is not possible, then the packaging shall be protected against such conditions.

4. Delivery packaging shall include as a minimum the following details

- a) Purchase Order Number
- b) Part Description
- c) Part number
- d) Eskom SAP Material number
- e) Drawing number, where applicable
- f) Physical address of Kusile Power Station and the Supplier
- g) Contact details of the Supplier
- h) Delivery notes number

Acceptance of spares

- a. No incorrect, damaged, or faulty spares will be accepted by Eskom.
- b. All the spares will be inspected and accepted by Engineering and/or OEM Technician before payment could be processed.
- c. Technical Material Datasheets information must be supplied and must meet an acceptable level.
- d. The Supplier must ensure that the supply and preservation of spares is done in compliance with preservation specifications and good engineering practice.
- e. The Supplier must deliver all spares on a pallet for ease of storing at stores warehouse.
- f. Upon delivery of the goods at the Eskom stores, an inspection of goods and the receipt must be conducted by the end-user within 7 working days after delivery.
- g. The Supplier must supply the Purchaser with warrantee certificates, test certificates and the complete data book of spares at the time of delivery which shall be uploaded into the SAP system Goods Receipt document as per Work Instruction, Receive Materials - 240-54820279.
- h. The Supplier must deliver the goods as per the agreed to delivery times.
- i. The Supplier to provide technical datasheets as a minimum, where applicable.

2.3 Other requirements of the *Supplier's* design

N/A

2.4 Use of *Supplier's* design

N/A

2.5 Manufacture & fabrication

N/A

2.6 Factory acceptance testing (FAT)

N/A

2.7 Other tests and inspections and commissioning in place of use

N/A

2.8 Operating manuals and maintenance schedules

Provision of Operating Manuals

The Supplier shall:

- Provide comprehensive operating manuals for all equipment/materials supplied under this contract.
- Ensure manuals are:
 - Clear, complete, and written in English (or agreed language)
 - Supplied in both hard copy and electronic format (PDF or equivalent)
- Include, at a minimum:
 - Equipment description and specifications
 - Installation instructions
 - Operating procedures (normal and emergency)
 - Safety guidelines and precautions
 - Troubleshooting guidance

Maintenance Schedules

The Supplier shall:

- Provide detailed maintenance schedules for all supplied equipment.
- Clearly define:
 - Preventive maintenance intervals (daily, weekly, monthly, annual)
 - Required tools, consumables, and spare parts
 - Maintenance procedures and checklists
- Ensure schedules align with:
 - Manufacturer recommendations
 - Applicable industry standards

3 Supply Requirements

The Supply Requirements for this contract are in an Annexure to the Contract Data provided by the *Purchaser*.

Information to be provided to the Supplier.

The Supplier will be provided with SOW document for execution, Purchase Order for the required stock items will be generated as the need arises.

4 Specification of the services to be provided.

N/A

5 Constraints on how the *Supplier* Provides the Goods

5.1 Programming constraints

N/A

5.2 Work to be done by the Delivery Date

Packaging

- I All supplied spares shall be packaged in such a manner that they will be transported and stored without damage. This includes preventing damage due to moisture ingress, dust and foreign objects. The contractor's procedure shall be used Transportation and Storage.
- II Different spare types shall be packaged separately such that each spare type can be stored separately. Packaging shall be such that the spare can be identified without opening the packaging. Packaging shall be of material that will not be damaged, to an extent possible, by harsh weather conditions during transportation. If that is not possible, then the packaging shall be protected against such conditions.
- III Where possible, packaging to be such that procured spares can be positively identified through the packaging. Where this is not possible, the packaging to be such that it allows opening and closing of packaging and still maintain the packaging integrity thereafter.
- IV Delivery packaging shall include as a minimum the following details:
 - a) Purchase Order Number
 - b) Part Description
 - c) Part number
 - d) Eskom SAP Material number
 - e) Drawing number, where applicable
 - f) Physical address of Kusile Power Station and the *Supplier*
 - g) Contact details of the *Supplier*
 - h) Delivery note number

5.3 Marking the goods

Material to be clearly marked, labelled, and packed according to the required specifications.

5.4 Constraints at the delivery place and place of use

- Supplier to make delivery arrangements prior to the delivery date to ensure delivery logistics are planned and confirmed to avoid unnecessary delays.
- End user will determine the offloading point at the time of delivery.
- Offloading will be done by the purchaser.

5.5 Cooperating with Others

The Supplier shall comply to the access requirement as stated or prescribed by the station security standards.

5.6 Services & other things to be provided by the *Purchaser* or *Supplier*

Workshop

The Supplier and his sub-suppliers are required to have suitable premises with the required tools and equipment to be able to conduct the scope of work. Eskom reserves the right to inspect the workshop premises to make sure that it is kept up to standard.

Equipment Required

The Supplier and his sub-suppliers must possess the tools and equipment to satisfy the requirements for the scope.

5.7 Management meetings

Regular meetings of a general nature may be convened and chaired by the *Supply Manager* as follows:

Title and purpose	Approximate time & interval	Location	Attendance by:
Risk register and compensation events	Weekly on ___TBA___ at _Kusile Power Station or Virtual_		<i>Purchaser and Supplier</i>
Overall contract progress and feedback	Monthly on _TBA___ at Kusile Power Station or Virtual__		<i>Purchaser, Supplier, and relevant stakeholders___</i>

Meetings of a specialist nature may be convened as specified elsewhere in this Goods Information or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the manufacture of the *goods*. Records of these meetings shall be submitted to the *Supply Manager* by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

5.8 Documentation control

- Each instruction, test certificate, acceptance, notification, reply and other communication which this contract requires is to be communicated in a form which can be read, copied and recorded.
- Writing is in the Language of this contract.

5.9 Health and safety risk management

The *Supplier* shall comply with the Occupational Health and Safety Act and relevant regulations, Eskom Contractor Health and Safety Requirements, Eskom Lifesaving rules, National Road Traffic Act and Eskom Vehicle Safety Specifications. The supplier shall submit its internal offloading safe-work procedures to the client prior contract awarding. It is also necessary for the supplier to be in Good Standing with COIDA

The *Supplier* shall comply with the health and safety requirements [stated here or contained in Annexure _____ to this Goods Information].

5.10 Environmental constraints and management

The *Supplier* shall comply with the environmental regulations as well as the following:

- Contractor to be familiarised with Environmental Statement of Commitment.
- Contractor shall report all incidents or risks whilst on site to the Eskom Project leader who will inform the environmental department.

5.11 Quality

To ensure compliance to Quality Management System requirements, the following requirements shall be adhered to:

- 240-68099512 Form A: The tenderer must complete and sign this form to acknowledge and accept Eskom Supplier Quality Requirements as per QM 58 Specification and ISO 9001 Standard
- Category 3 - Quality Assessment Criteria: Stipulated documented information to be provided for evaluation purposes
- QM 58_240-105658000 – Supplier Quality Management Specifications
- Documented information that permits the Supplier to provide highest level of quality assurance to confidentially state that the method used on the product are accurate, documented and validated.
- Documented information which allows the Supplier to legally transport hazardous goods
- Documented information on determining the knowledge, skill and competency required for the achieved conformity of product/ service (Driver, handling of hazardous goods...)

5.12 Invoicing and payment

The *Supplier* shall address the tax invoice to *Purchaser* and include on each invoice the following information:

- Name and address of the *Supplier* and the *Supply Manager*.
- The contract number and title.
- Purchase order number.
- *Supplier's* VAT registration number.
- The *Purchaser's* VAT registration number.
- Description of *goods* and *services* provided for each item invoiced based on the Price Schedule.
- Total amount invoiced excluding VAT, the VAT and the invoiced amount including VAT.
- (add other as required)

Add procedures for invoice submission and payment (e.g. electronic payment instructions)

5.13 Insurance provided by the *Purchaser*

N/A

5.14 Contract change management

N/A

5.15 Provision of bonds and guarantees

The form in which a bond or guarantee required by the *conditions of contract* (if any) is to be provided by the *Supplier* is given in Part 1 Agreements and Contract Data, document C1.3, Sureties.

The *Purchaser* may withhold payment of amounts due to the *Supplier* until the bond or guarantee required in terms of this contract has been received and accepted by the person notified to the *Supplier* by the *Supply Manager* to receive and accept such bond or guarantee. Such withholding of payment due to the *Supplier* does not affect the *Purchaser's* right to termination stated in this contract.

5.16 Records of Defined Cost, payments & assessments of compensation events to be kept by the *Supplier*.

Shall be provided to *Supply Manager* in hard copy or electronically.

6 Procurement

6.1 Subcontracting

6.1.1 Preferred subcontractors

SC does not make use of nominated subcontracting, but the *Purchaser* may list which subcontractors or sub-suppliers the *Supplier* is required to enter subcontracts with (if any). This is usually only required where plant and materials need to be obtained from a particular supplier or group of suppliers to comply with operational standards for the goods.

Commented [A1]: Will be populated with reference to SDL&I requirements

6.1.2 Limitations on subcontracting

The *Purchaser* may require that the *Supplier* must subcontract certain specialised work, or that the *Supplier* shall not subcontract more than a specified proportion of the whole of the contract.

Commented [A2]: Will be populated with reference to SDL&I requirements

6.1.3 Spares and consumables

The *Supplier* must supply his own consumables to satisfy the requirements for scope.

6.1.4 Other requirements related to procurement

Other requirements such as ASGISA or socio-political enhancements the *Supplier* is to provide as part of Providing the Goods and Services (if any) could be included here.

Commented [A3]: Will be populated with reference to SDL&I requirements

6.1.5 Cataloguing requirements by the *Supplier*

N/A

7 List of drawings

N/A

C3.2 SUPPLIER'S GOODS INFORMATION

3. Scope

3.1 Description of the works

Provision of Supply and delivery of Gearboxes on five (5) year's period for Kusile Power Station on "as and when required basis"

Refer to Table 1 in the Technical Specification above for the complete scope of work and bill of quantities.
