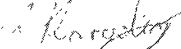
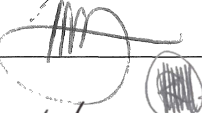
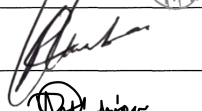
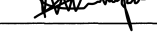
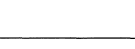


	MATLA POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	7
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PLANT AREA: MATLA POWER STATION			
TITLE: STEAM AND FLOAT TRAPS SUPPLY AND SERVICE CONTRACT SCOPE			
REF: MET - 057370	Reference Rev No:2	MULTIDISCIPLINARY: No	Plant Level: All
COMPILED BY	Name: Hlavutelo Nkwini Systems Engineer/End User	Signature: 	Date: 02-10-2025
APPROVED	Name: ZA Karodia Line Manager	Signature: 	Date: 02-10-2025
APPROVED	Name: Lindokuhle Ngobese Group Manager	Signature: 	Date: 22/10/2025
REVIEWED	Name: Patson Ngwenyama Quality Department	Signature: 	Date: 07/11/2025
REVIEWED	Name: Robert Mathiba Occupational Health and Safety	Signature: 	Date: 11-11-2025
REVIEWED	Name: Mosa Chipa Environmental Department	Signature: 	Date: 07/11/2025
ACCEPTED	Name: Outage Manager/Maintenance manager	Signature:	Date:
ACCEPTED	Name: AIA	Signature:	Date:

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	1421 POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	7
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		to OHS noise exposure limits and ultimately reduce the risk of noise induced hearing loss.		
1.2	Environmental Management.	- All activities listed in the National Environmental Act 107 of 1998, EIA Regulations as amended, must have environmental AUTHORISATION before commencement of work. - The contractor shall comply with all applicable legal and other requirements. - The polluter pays principle will be applied. - The contractor manager shall ensure compliance with Eskom Matla Environmental procedures to ensure the prevention of pollution (refer OMOP 4090 and 4402). - The last payment will be processed based on the status of the last housekeeping check sheet (Annexure C: OMOP 4402) of designated area. - EMS file based on ISO14001 will be required.	Eskom to witness.	Contractor
1.3	Quality Management	- The contractor/executioner of work will be responsible for drawing up all QCP documentation and this must be approved by engineering and authorised by the Quality Department before commencing with the work. - Contractors/executioner to adhere to QM 58 and OMOP4497 requirements - Number of NCR issued can affect your next tendering process. - The QCP shall be signed progressively by the Engineer/Supervisor, Eskom QC Inspector, Contractor QC Inspector and/or AIA.	Hold point	Contractor

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	STEAM TRAP CONTRACT SCOPE OF WORK	Document Identifier	14593	Rev	7
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		- No procuring of outage items without the approval of scopes by quality - All outage scopes creep and scopes addition should be approved by quality - No contractor should be in the possession of scopes for execution without the scopes approved by quality - The contractor is subjected to quality auditing at any point in time during execution of scope		
1.4	Inputs from other departments			
1.5	Commissioning reference			

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	DATA CONTROL OFFICE SCOPE OF WORK	Document Identifier	14593	Rev	7
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#	SCOPE OF WORK DESCRIPTION / ACTIVITY	PROCEDURE, SPECIFICATION, ENG. REQUIREMENTS / DOCUMENTATION	HOLD POINTS, WITNESS, REPORTS	RESPONSIBLE PARTY
1.	Proactively monitor all steam traps in the station (all existing). Monitoring shall include ultrasonic testing, thermal imaging, and functional assessment every 3 months for all units during operation.	Submit report to Engineering	W	Contractor
2	2 weeks prior to a GO or MO, all steam traps shall be monitored with thermal imaging and ultrasonic.. The same activity shall be practiced 2 weeks prior to an IR buy only defective steam traps shall be worked on.	Submit report to Engineering	W	Contractor
3	All defects must be reported immediately, with recommended corrective action and impact assessment.		R	Contractor
4	Contractor shall be fully responsible for omissions or failures to detect defective steam traps. Any unreported trap failures later discovered will be deemed contractor non-performance.			Contractor

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	Replace control unit in case of operational deviation Assemble float traps with new gasket			
8	Eskom Quality and Engineering to be called for inspection once steam/float trap(s) stripped		H	Eskom Quality and Engineering
9	Contractor to supply complete steam/float traps when required			Contractor
10	Contractor to generate comprehensive reports after each monitoring cycle: condition found, work performed and outstanding defects.		H	Contractor

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#	Alpha numeric	Qty.	NB (mm)	PN (Bar)	Material	TYPE	Location	Drawing Sheet
1	RB40S002	1	25	160	13CRMo44	BK29	FlashBox #3. (Drain # 40 from LP Bypass)	047/3207 Sheet2
2	RC20S004	1	25	64	ST45.8/C22N	BK27	Expansion Vessel RJ30G003. (Drain #12)	047/3207 Sheet2
3	RF51S011	1	25	40	st45.8/15Mo3	BK15N	FlashBox # 5. (Drain # 61)	047/3207 Sheet3
4	RF52S011	1	25	40	st45.8/15Mo3	BK16N	FlashBox # 5. (Drain # 62)	047/3207 Sheet3
5	RF61S011	1	25	64	st45.8/15Mo3	BK27	Expansion Vessel RJ30G003. (Drain #63)	047/3207 Sheet3
6	RF61S015	1	15	64	st45.8/15Mo3	BK27	Expansion Vessel RJ30G003. (Drain #66)	047/3207 Sheet3
7	RF62S011	1	25	64	st45.8/15Mo3	BK27	Expansion Vessel RJ30G003. (Drain #64)	047/3207 Sheet3
8	RF62S015	1	15	64	st45.8/15Mo3	BK27	Expansion Vessel RJ30G003. (Drain #66)	047/3207 Sheet3
9	RH40S011	1	25	25	ST45.8/C22	BK15	Expansion Vessel RJ30G003. (Drain #11)	047/3207 Sheet4
10	RH40S027	1	25	25	ST45.8/C22	BK15	FlashBox #3.	047/3207 Sheet4
11	RH45S006	1	15	25	ST35.8/C22N	BK15	FlashBox #3.	047/3207 Sheet4

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	STEAM TRAP STATION SCOPE OF WORK	Document Identifier	14593	Rev	7
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12	RH45S008	1	15	25	ST35.8/C22N	BK15	FlashBox #3.	047/3207 Sheet4
13	RQ00S004	1	25	25	ST35.8/C22N	BK15	Aux. Steam header (To the mixed temperature pit)	047/3207 Sheet10
14	RQ40S003	1	15	25	ST35.8/C22N	BK15	Aux. Steam header	047/3207 Sheet10
15	RQ50S003	1	15	25	ST35.8/C22N	BK15	Aux. Steam header	047/3207 Sheet10
16	SA11S551	1	15	25	ST35.8/C22N	BK15	Aux. Steam header	047/257
17	SH10S501	1	15	640	10CrMo910 III	BK212	FlashBox #1 (Drain #2)	047/257
18	SH10S509	1	15	640	10CrMo910 III	BK212	FlashBox #1 (Drain #1A)	047/257
19	SH10S510	1	15	640	10CrMo910 III	BK212	FlashBox #1 (Drain #1B)	047/257
20	SH10S511	1	15	160	13CrMo44 III	BK29	FlashBox #3 (Drain #5)	047/257
21	SH10S512	1	15	160	13CrMo44 III	BK29	FlashBox #3 (Drain #20)	047/257
22	SH10S513	1	15	160	13CrMo44 III	BK29	FlashBox #3 (Drain #21)	047/257
23	SH10S519	1	15	160	13CrMo44 III	BK29	FlashBox #1 (Drain #19)	047/257
24	SH10S520	1	15	160	13CrMo44 III	BK29	FlashBox #3 (Drain 4B)	047/257
25	SH10S652	1	15	25	ST35.8/C22N	BK15	Expansion Vessel RJ30 G003 (Drain #49)	047/257
26	SH50S502	1	15	25	ST35.8II/C22N	BK15	FlashBox # 3 (Drain 52)	047/257

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	KAP A POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	7
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BILL OF MATERIAL

	Full description of Material/Spares/Equipment	Specifications of Material/Spares/Equipment	Stock No	Part Number	Required Quantity
01	BK 29 Steam trap, NB15 PN160	A182-F1	684625		30
02	BK 29 Steam trap, NB25 PN160	A182-F1	684717		30
03	BK 37 Steam trap, NB25 PN40	A182-F12	684630		30
04	BK 46 Steam trap, NB25 PN40	A182-F1	684626		30
05	BK 212 Steam trap, NB15 PN640	A182-F22	684631		30

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	DATA GENERATION SCOPE OF WORK	Document Identifier	14593	Rev	7
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SCOPE COMPILATION REFERENCES				
SOURCE & Ref No.	Yes	No	N/A	Comments
Previous outage service reports	X			
Return to service data packages	X			
Maintenance Strategy with Rev number	X			
SAP defects (attach list as appendix)				
GHRMS (STEP) reports (Generation Heat Rate Management System)	x			
Online Condition Monitoring	X			
Pre-outage performance test results	X			
Post outage performance test results		X		
GPSS/ Plant Performance data on UCLF incurred		X		
OMS / IIRMS recommendations (Audits Reports)		X		
Risk controls (IRM system)		x		
Previous audits and reviews (e.g. ERAP)		X		
Engineering Change Requests (Projects)		X		
LOPP strategy reports		X		

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	02032025 02032025 02032025 02032025			Document Identifier	14593	Rev	7
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URS						
Philosophy (Outage)		X				
Condition Monitoring Report		X				
VA/PHD Viewer trends			X			
Corrective Actions			X			
CARAB reports			X			
Statutory Requirements			X			
Grid code requirements			X			
Waivers and Exemptions			X			
Calibration requirements			X			
Previous Outage SOW variations		X				
Post Mortems Actions from previous outages		X				
Pre-Outage plant walks		X				
Risk based inspection (RBI) report			X			
Simulation, TOLs, OON, SI			X			

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COMMENTS

ATTACHMENTS: DRAWINGS, SKETCHES, DIAGRAMS, INSTRUCTIONS, etc	
1	N/A
2	
3	
4	
5	
6	
7	
8	
9	
10	

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