







	WATLA POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	6	
		Effective Date	March 2023			
		Review Date	March 2026			

PLANT AREA: Coal Plant			
TITLE: Replacement of incline 8B and 8F Suspended Electromagnets			
REF: MEE-06538	Reference Rev No:1	MULTIDISCIPLINARY: No	Plant Level: 1
COMPILED BY	Name: Nkosinathi Ndima Systems Engineer/End User	Signature: 	Date: 11/01/2024
APPROVED	Name: Nkosinathi Maseko Line Manager	Signature: 	Date: 11/01/2024
APPROVED	Name: Lindokuhle Ngobese Group Manager	Signature: 	Date: 19/01/2024
REVIEWED	Name: Jabulani Mtsweni Quality Department	Signature: 	Date: 16/01/2024
REVIEWED	Name: Itumeleng Tlapu Occupational Health and Safety	Signature: 	Date: 17/01/2024
REVIEWED	Name: Thando Zungu Environmental Department	Signature: 	Date: 17/01/2024
ACCEPTED	Name: Gloria Marebane Outages /Maintenance manager	Signature: 	Date: 19/01/2024
ACCEPTED	Name: N/A AIA	Signature:	Date

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 1 of 35
-------------------------	---------------------	------------------	--------------

Controlled Disclosure

This document is the property of Eskom and is intended for use only by the person to whom it is issued. It is not to be distributed, copied, or otherwise used without the express written permission of Eskom. If you are not the intended recipient, you should not disseminate, distribute or copy this document. If you have received this document by mistake, please notify the sender immediately by e-mail. Eskom is not responsible for the actions of any person who may act on the basis of the information contained in this document.

	MATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

NB: Do not tamper with the template.

GENERAL


- Data books, reviews, reports, and diagrams/drawings shall be submitted to Engineering after the completion of the work. Engineering to forward the data books to Quality Department (Document Control)
- All QCP's to be submitted to Engineering and Quality for approval prior to outage/project or maintenance work commencement.

	SCOPE OF WORK DESCRIPTION / ACTIVITY	PROCEDURE, SPECIFICATION, ENG. REQUIREMENTS / DOCUMENTATION	HOLD POINTS, WITNESS, REPORTS	RESPONSIBLE PARTY
1.1	Occupational Health and Safety	<ul style="list-style-type: none"> • Health and safety file should be approved by Safety risk management department prior to any work commences on site • All work is to be done in accordance with OHS Act 85 of 1993, Matla plant procedures and Plant Safety Regulations. (240-150642762). • Matla power station SHEQ induction must be done before access to site can be granted • The contractor should ensure that all employees have acquired the required competency for the task they are performing. • The contractor to ensure compliance to updated legal requirements and other requirements 	Eskom to witness.	Contractor

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 2 of 35
--------------------------------	---------------------	------------------	--------------

Controlled Disclosure

This document is the property of Eskom and is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the written permission of Eskom. If you are not an intended recipient, you should not disseminate, distribute or copy this e-mail. If you have received this e-mail by mistake, please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the named addressee you should not disseminate, distribute or copy this e-mail.


	MATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

1.2	Environmental Management.	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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. No procuring of outage items without the approval of scopes by quality 	Hold point	Contractor

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 3 of 35
--------------------------------	---------------------	------------------	--------------

Controlled Disclosure

This document is the property of Eskom and is intended for the use of the person to whom it is addressed. It is not to be distributed outside the intended recipients. If you have received this document in error, please contact the sender immediately and delete this document from your system. If you are not the intended recipient, you should not disseminate, distribute or copy this e-mail. Any disclosures should be reported to the sender immediately. If you are not the intended recipient, you should not disseminate, distribute or copy this e-mail. Any disclosures should be reported to the sender immediately.


	IRATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

		<ul style="list-style-type: none"> 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			

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 4 of 35
--------------------------------	---------------------	------------------	--------------

Controlled Disclosure

(Faint, illegible text, likely a watermark or header)

	DATA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date	March 2023
		Review Date	March 2026


DECOMMISSION AND/OR PLANT ISOLATION

	SCOPE OF WORK DESCRIPTION / ACTIVITY	PROCEDURE, SPECIFICATION, ENG. REQUIREMENTS / DOCUMENTATION	HOLD POINTS, WITNESS, REPORTS	RESPONSIBLE PARTY
1.1	<ul style="list-style-type: none"> Ensure that all relevant circuits are de-energized and isolated. All circuit must be isolated accordingly where applicable 	All work shall be performed in accordance with the latest revision of PSR (36-681).	OPS – to ensure that all necessary earths are applied where necessary.	OPS
1.2	<ul style="list-style-type: none"> Where necessary ensure that supplies to cables are isolated and any other potential source. 	All work shall be performed in accordance with the latest revision of PSR (36-681).	OPS – to ensure that all necessary isolations, fuses, links etc. are removed.	OPS
	<ul style="list-style-type: none"> Inspect all cables/lines inside the relevant position and all other components to ensure that none are damaged while work is being carried out. 	All work shall be performed in accordance with the latest revision of PSR (36-681). RPs to ensure plant is safe prior to permit acceptance.	EMD – shall ensure plant is isolated accordingly with a permit to work in place.	EMD

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 5 of 35
--------------------------------	---------------------	------------------	--------------

Controlled Disclosure

This document is a controlled document. It is the property of Eskom and its use is restricted to the project for which it was prepared. It is not to be distributed outside the project without the written approval of the project manager. It is not to be used for any other purpose without the written approval of the project manager. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Eskom.

	RUJILA POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	6	
		Effective Date	March 2023			
		Review Date	March 2026			


SCOPE OF WORK DESCRIPTION / ACTIVITY	PROCEDURE, SPECIFICATION, ENG. REQUIREMENTS / DOCUMENTATION	HOLD POINTS, WITNESS, REPORTS	RESPONSIBLE PARTY
--------------------------------------	---	-------------------------------	-------------------

	SCOPE OF WORK DESCRIPTION / ACTIVITY	PROCEDURE, SPECIFICATION, ENG. REQUIREMENTS / DOCUMENTATION	HOLD POINTS, WITNESS, REPORTS	RESPONSIBLE PARTY														
1.1	Incline conveyor belt specifications for the design of electromagnets: <ul style="list-style-type: none"> Contractor shall design the suspended electromagnets based on the following conveyor belt specifications: <table border="0" style="margin-left: 20px;"> <tr> <td>Belt Width</td> <td>900mm</td> </tr> <tr> <td>Belt Speed</td> <td>2,2m/s</td> </tr> <tr> <td>Belt Incline angle</td> <td>15.14</td> </tr> <tr> <td>Belt Capacity</td> <td>494t/h</td> </tr> <tr> <td>Material Conveyed:</td> <td>Coal</td> </tr> <tr> <td>Bulk density:</td> <td>720 kg/m3 Low BD, 880 kg/m3High BD</td> </tr> <tr> <td>Maximum lump size</td> <td>15mm</td> </tr> </table> 	Belt Width	900mm	Belt Speed	2,2m/s	Belt Incline angle	15.14	Belt Capacity	494t/h	Material Conveyed:	Coal	Bulk density:	720 kg/m3 Low BD, 880 kg/m3High BD	Maximum lump size	15mm		HOLD	CONTRACTOR
Belt Width	900mm																	
Belt Speed	2,2m/s																	
Belt Incline angle	15.14																	
Belt Capacity	494t/h																	
Material Conveyed:	Coal																	
Bulk density:	720 kg/m3 Low BD, 880 kg/m3High BD																	
Maximum lump size	15mm																	

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 6 of 35
--------------------------------	---------------------	------------------	--------------

Controlled Disclosure

This document is the property of Eskom and is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. It is to be returned to Eskom when it is no longer required. It is to be destroyed when it is no longer required. It is to be kept confidential and its use is restricted to the purpose for which it is issued.


	MAKULA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	Maximum burden depth ~325mm Type of tramp iron to be extracted Mine picks			
1.2	Electromagnet Design requirements. <ol style="list-style-type: none"> a. Electromagnets faceplate shall be made of robust material to withstand constant hitting of mine picks, b. The electromagnets cross sectional area shall be enough to attract burden mine picks at the belt speed of 2.2m/s, c. The core design type shall be rectangular for high burden depths and maximum separation performance, d. Consideration shall be made since when the magnet surface area is increased, the magnetic flux density will decrease, and so does the strength of the magnetic fields to attract mine picks, e. Because of frequent skewing of belts, electromagnets shall at least be optimized to the magnetic fields operating gap of 350mm at maximum 		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 7 of 35
--------------------------------	---------------------	------------------	--------------

Controlled Disclosure

This document contains information that is confidential to Eskom. It is intended for the use of the person to whom it is addressed. It is not to be distributed, copied, or otherwise used by any other person. If you have received this document in error, please contact the sender immediately. Eskom is not responsible for the accuracy or completeness of the information contained herein. Eskom is not liable for any loss or damage, including consequential loss or damage, arising from the use of this document. Eskom is not responsible for any loss or damage, including consequential loss or damage, arising from the use of this document. Eskom is not responsible for any loss or damage, including consequential loss or damage, arising from the use of this document.


	NATALA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	gauss and ambient temperature, f. The electromagnets shall be designed to attract the type of tramp iron that are mostly found during coaling which has dimensions of 130X50mm and weight of 618.7 grams. The contractor shall collect samples from the employer, g. It is very important that the magnets are designed and selected according to the amount of Force Index (Gauss/mm) that is required to remove the mine picks in terms of size and shape from burden of coal travelling at max belt speed, h. The electromagnets shall not go over 1100 width because of belts drives(motor/gearbox) next to the conveyor belts that may overload the magnets due to constant magnetic field interaction, i. Coil shall be designed to prevent overheating and burn-outs or turns faults, j. The casing shall have cooling fins to maximise heat dissipation due dust ingress in the area that may slower cooling of windings.			

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 8 of 35
--------------------------------	---------------------	------------------	--------------

Controlled Disclosure

This document contains confidential information and is intended for the use of the person to whom it is addressed. It is not to be distributed, copied, or otherwise used by anyone other than the intended recipient. If you have received this document in error, please notify the sender immediately. The sender will not be held responsible for any loss or damage resulting from the use of this document.


	BEATLE POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

1.3	Suspended Electromagnets Required Specifications <ul style="list-style-type: none"> The contractor Supply the Electromagnets with the following specs: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">To go over conveyor width</td> <td>Up to 900 & less than 1200</td> </tr> <tr> <td>Quantity required</td> <td>2X</td> </tr> <tr> <td>Magnet type</td> <td>Dry type</td> </tr> <tr> <td>Cleaning type</td> <td>1XManual(8F)&1XSelf-cleaning(8B)</td> </tr> <tr> <td>Installation type</td> <td>Cross belt/incline</td> </tr> <tr> <td>Transformer input power</td> <td>~per design</td> </tr> <tr> <td>Magnet Input power</td> <td>~per design</td> </tr> <tr> <td>Cooling method</td> <td>Air</td> </tr> <tr> <td>Weight</td> <td><=4.5</td> </tr> <tr> <td>Ampere. Turns</td> <td>~ per design</td> </tr> <tr> <td>Nominal Operating Gap</td> <td>325</td> </tr> </table>	To go over conveyor width	Up to 900 & less than 1200	Quantity required	2X	Magnet type	Dry type	Cleaning type	1XManual(8F)&1XSelf-cleaning(8B)	Installation type	Cross belt/incline	Transformer input power	~per design	Magnet Input power	~per design	Cooling method	Air	Weight	<=4.5	Ampere. Turns	~ per design	Nominal Operating Gap	325	HOLD	CONTRACTOR
To go over conveyor width	Up to 900 & less than 1200																								
Quantity required	2X																								
Magnet type	Dry type																								
Cleaning type	1XManual(8F)&1XSelf-cleaning(8B)																								
Installation type	Cross belt/incline																								
Transformer input power	~per design																								
Magnet Input power	~per design																								
Cooling method	Air																								
Weight	<=4.5																								
Ampere. Turns	~ per design																								
Nominal Operating Gap	325																								

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 9 of 35
--------------------------------	---------------------	------------------	--------------

Controlled Disclosure

This document is the property of Eskom. It is to be used for the purpose for which it is issued and is not to be distributed, copied, reproduced, or otherwise used in any way without the prior written consent of Eskom. It is to be stored in a secure location and is to be destroyed when it is no longer required. Eskom is not responsible for any loss or damage to this document or the information contained therein.


	NATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	Gauss reading @ 325mm GAP (30°C) ~ per design			
1.4	Local Control Panel requirements <ul style="list-style-type: none"> a. The contractor shall design, supply, and install the local control panel with the following specs: <ul style="list-style-type: none"> • Floor mounted. • Mild steel • IP65 • Rotary Handle for lock-out • Mains isolator/circuit breaker • All fully labelled. • To suit Site Supply voltage=380V • Orange colour • DC Voltage and current outage readings b. The protection, Interlock and control already exist from the switchgear, the contractor shall only provide field/local mains isolation and magnet isolation. c. Provision shall be made for self-cleaning magnet belt motor in terms of its 	Comply to IEC 60204-1	HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 10 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is for internal use only and is not to be distributed outside Eskom. It is the property of Eskom and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Eskom. Eskom does not accept any liability for any errors or omissions in this document.


	BARTLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	own protection and control. Existing drawings of electrical reticulation to the magnets will be provided to the contractor for possible modifications to suit self-cleaning magnet, d. The panel shall have ON/OFF/De-energized etc indications.			
1.5	Transformer Rectifier Circuit requirements a. The contractor shall design, supply, and install the transformer rectifier unit with the following specs: <ul style="list-style-type: none"> • Floor mounted. • Mild Steel • IP65 • Air/Oil cooled. • Solid-State Bridge Rectifier Unit • 380VAC input voltage to the transformer • Preferably 220VDC output voltage • Rectifier protection, preferably by HRC fuses suitable for rectifier application. 		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 11 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is controlled and its use is restricted to the project it was developed for. It is not to be distributed outside the project team without the approval of the project manager. Any unauthorised disclosure of this document is strictly prohibited. If you are not a project team member, you should not be in possession of this document. If you are, you should return it to the project manager immediately. If you have any queries, please contact the project manager.


	INATEL POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	<ul style="list-style-type: none"> b. Comply with the requirements of IEC 60076-1, IEC 60076-2 and IEC 60076-3. c. A minimum set of taps for various voltage changes shall be incorporated in the transformer-rectifiers, to optimize the magnet's performance, d. A circuit diagram shall be permanently mounted on the enclosure and all items inside the enclosure shall be properly labelled to Eskom standard, e. Nameplate with all specifications shall be mounted on the outside of the enclosure. 			
1.6	Electromagnet Casing requirements <ul style="list-style-type: none"> a. All casing components shall be machined for good conductivity of the flux, b. The thickness of all casing components shall be specified by the supplier, c. The casing surface area shall be longer than the existing to allow the treatment time of magnet to attract mine picks, d. Unit 2 electromagnet magnet passes unit 1 magnet during manual cleaning and unit 4 electromagnet passes unit 3 electromagnet during manual cleaning; thus, the magnet design shall be such that in terms of dimensions unit 1 and 3 electromagnets shall not obstruct unit 2 and 4 during cleaning 		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 12 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. Eskom is not responsible for any loss or damage arising from the use of this document. Eskom is not liable for any loss or damage arising from the use of this document. Eskom is not liable for any loss or damage arising from the use of this document.


	METLA POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	6	
		Effective Date	March 2023			
		Review Date	March 2026			

	therefore U2(8B) shall be of self-cleaning type while U6(8F) shall be manual cleaning.			
1.7	Electromagnet Coils requirements a. The coil conductors shall be insulated to class "H" of SABS IEC 60034-1 with class "F" temperature. b. The current density in the coil shall be conservatively rated to ensure minimum ampere-turns losses when the magnetic separator is operating at high temperatures, c. The magnetic field shall be of sufficient strength and shall be effective over the length of the magnet to provide the most efficient magnetic exposure time to the tramp iron.		HOLD	CONTRACTOR
1.8	Electromagnet support frame requirements a. The frame shall be constructed in such a way that it will be easily retrofitted to the existing structure. b. The contractor shall not modify the existing supporting structure, c. The frame shall be designed and constructed to comply with the requirements		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 13 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom. It is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. If you are not an intended recipient, you should not disseminate, distribute or take any action in reliance on the contents of this information. If you have received this document in error, please notify the sender immediately by e-mail at eskom@eskom.co.za or by telephone at 011 760 0000. Eskom is not responsible for the accuracy or completeness of any information in this document. Eskom is not liable for any loss or damage arising from the use of this document. Eskom is not responsible for any loss or damage arising from the use of this document.


	NATL & POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	<p>of GGSS 0407 and shall be of robust channel construction to prevent distortion and vibration in service.</p> <p>d. Robust suspension brackets shall be mounted directly on the supporting frame.</p> <p>e. Dual holes on each suspension bracket shall be provided for rigging purposes and for using a safety chain.</p> <p>f. The support frame shall have a minimum of four steel spacers shall be mounted directly under the magnetic separators to prevent the separators from coming into direct contact with the ground when they are stored.</p>			
1.9	Electromagnet Electrical Supply requirements <p>a. Existing 3 phase,380V, 50Hz, 4 cores cables, 4mm2 cable shall be used to supply the Panel.</p> <p>b. Existing single phase 220VDC, 2 core cables shall be used to supply the Electromagnet.</p>		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 14 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is a controlled document and its use is restricted to the project it was developed for. It is not to be used for any other project without the approval of the project manager. It is not to be used for any other purpose without the approval of the project manager. It is not to be used for any other purpose without the approval of the project manager.


	MATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

1.10	Suspension Tackle Set requirements. a. 4 X completely pre-assembled 1-Leg Chain Sling Assembly with chain-link-adjustable grab hook which will allow for full length adjustment of chain, without requiring any turnbuckles. b. This shall come completely pre-assembled with SWL rating washer/tag and certificates to match. c. No cutting/joining on site is required. d. All suitably (over)rated for the mass of the electromagnet. e. Each Chain leg length shall be 1,5m, contractor shall come to site for measurements prior manufacture. f. Rope suspension set suitably rated(over) for electromagnet is also accepted as an alternative.		HOLD	CONTRACTOR
1.11	Transportation requirements a. Contractor shall deliver and offload preferably two Electromagnets at the time to Matla Power Station.		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 15 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is a controlled document and its use is restricted to the project it was developed for. It is not to be used for any other project without the written approval of the project manager. It is not to be distributed outside the project team without the written approval of the project manager.


	KATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date	March 2023
		Review Date	March 2026

	<ul style="list-style-type: none"> b. The contractor shall adhere to Eskom 240-56178825 for Transportation and Movement of Electrical Equipment Standard. c. The contractor shall ensure no harm or damage to the internal and external components of the magnet. d. The contractor is responsible for any damage and the employer shall request full replacement of components if deem necessary. e. The electrical tests (i.e. insulation resistance or winding resistance) will be conducted onsite and compare with FAT tests to ensure no damages during transportation. 			
1.12	Electromagnet Installation / Erection requirements <ul style="list-style-type: none"> a. As per 240-55864553 section 3.15 and contractor SOW based on the existing plant/structures. b. Contractor shall not modify the existing support structures, minor changes may be allowed, and it shall be communicated prior installation to Civil Engineering/employer for approval. c. If these changes are allowed by the employer, the contractor shall have or 		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 16 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document contains information that is confidential to Eskom. It is intended for the use of the person to whom it is addressed. It is not to be distributed to other persons without the express written authority of Eskom. If you have received this document in error, please contact the sender immediately. This document is the property of Eskom and is not to be used for any other purpose without the express written authority of Eskom.


	MATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	commit to be able to get a professional registered (Pr Eng Civil - Structures) person to ensure necessary structural measurements, testing, standards and/or precautions are taken and followed. d. Contractor is fully responsible for any damages done during erection/installation of Electromagnets. e. Care shall be taken to not damage the conveyor belt and support structures. f. Ensure the magnet is aligned and perpendicular to the belt. g. The magnet shall be at suspended in accordance to the mean working distance of 300-325mm. h. The magnet when fully erected and aligned shall not attract any irons/metals beyond or below the conveyor belt.			
1.13	Discharge chute into discharge bin on Self-cleaning magnet. a. Contractor shall connect and terminate the existing 4mm ² 4 cores supply cables from the switchgear to the local control panel and transformer rectifier circuit, b. The contractor shall provide cables for the self-cleaning magnet motor, c. It is assumed the self-cleaning magnet motor will feed from the same supply as		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 17 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is intended for the use of the person to whom it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. If you are not the intended recipient, you should not disseminate, distribute or copy this e-mail. If you have received this e-mail by mistake, please notify the sender immediately by e-mail. Eskom is not responsible for any actions taken in reliance on the content of this e-mail. Eskom is not responsible for any actions taken in reliance on the content of this e-mail. Eskom is not responsible for any actions taken in reliance on the content of this e-mail.


	MALE POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date	March 2023
		Review Date	March 2026

	the magnet, d. Contractor shall connect and terminate the existing single-phase cables from the transformer rectifier output to the suspended electromagnet terminal box, e. All the connection points which have compression/ cone/plain washers, bolts, nuts, and locknuts shall be appropriately sized, f. Grease shall be applied to all contact points to ensure good conductivity, g. All cable connections and terminations shall be in line with SANS 876. h. All electrical wiring and installation shall comply to SANS 10142, i. The local control panel and Transformer rectifier casing shall be appropriately earthed to the existing earthing point with correctly sized earth or copper bar. j. The wiring terminations shall be labelled, as per the approved designed circuit diagrams.			
1.14	Electromagnet testing requirements (SAT/FAT) a. Existing electrical cables shall be tested before use,	As per 240-55864553 standard section 3.8 and 3.9,	HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 18 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is intended for the use of the person to whom it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. If you are not the intended recipient, you should not disseminate, distribute or copy this e-mail. If you have received this e-mail by mistake, please notify the sender immediately by e-mail. Eskom is not responsible for e-mails that have been intercepted, modified, or otherwise tampered with in transmission.


	WATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	b. Transformer in accordance with SANS 780, IEC 60076. c. Rectifier tests, d. Winding resistances tests, e. Winding insulation tests, f. Gauss Factor Tests, g. Mean working distance measurements, h. Functional tests of electrical components, i. Tests with employer's type of coal and mine picks, j. Any other recommended tests.			
1.15	Electromagnet Recommissioning requirements a. Employer shall ensure all circuits which were placed out of service for isolation purposes which are on Eskom side are de-isolated and energized, b. Contractor shall commission the electromagnets and perform live testing of the magnet as per		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 19 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is intended for the use of the person to whom it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. If you are not the intended recipient, you should not disseminate, distribute or copy this e-mail. If you have received this e-mail by mistake, please notify the sender immediately by e-mail. This e-mail and any files transmitted with it are confidential and intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system.


	KATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	240-55864553 standard, c. Rectifier output voltage shall be at least the same as the electromagnet input voltage, d. Contractor shall measure the mean working distance before and after cleaning of the electromagnet to ensure the electromagnet has not moved out of position during manual cleaning, e. Contractor shall evenly place employer type dry coal on the conveyor belt before the electromagnet and tramp iron(s) beneath the coal and run the belt to test the integrity or performance of the electromagnet, f. Contractor shall evenly place employer type wet coal on the conveyor belt before the electromagnet and tramp iron(s) beneath the coal and run the belt to test the integrity or performance of the electromagnet, g. Employer shall perform visual and quality inspection, and thermos scans on all components to ensure plant is fully serviceable.			
1.16	Documentation and Plant Configurations requirements a. Contractor shall use the exiting KKS/AKZ and cable tags to label the plant and components,		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 20 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is intended for the use of the person to whom it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. Eskom is not responsible for any loss or damage arising from the use of this document. Eskom is not liable for any loss or damage arising from the use of this document. Eskom is not liable for any loss or damage arising from the use of this document.


	<p style="text-align: center;">MATLA POWER STATION BOOK OF WORK</p>	Document Identifier	14593	Rev	6	
		Effective Date	March 2023			
		Review Date	March 2026			

	<p>b. Contractor shall provide As-Built updated detailed drawings for the local control panel, magnet and transformer rectifier circuit for approval before manufacturing.</p>			
1.17	<p>Documentation and Handover requirements</p> <p>a. Contractor shall ensure all QCPs are signed and updated for submission to the client prior handover of the project,</p> <p>b. The contractor documentation to submitted shall include technical datasheets and tests reports,</p> <p>c. Issuing of CoC for the local control panel installation,</p> <p>d. Before the final handover, the contractor shall give Matla Power Station at least 1 week for service performance, this is for the employer to ensure that there are no mine picks rejected by the mills.</p>		HOLD	CONTRACTOR
1.18	<p>Maintenance strategy requirements</p> <p>a. Contractor shall handover the maintenance manuals and other support documentation for the electromagnets and panels,</p> <p>b. Contractor shall list BOM of all components/equipment's together with the</p>		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 21 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the written consent of Eskom. It is to be returned to Eskom when it is no longer required.


	MATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date	March 2023
		Review Date	March 2026

	technical data specifications, part numbers, and Manufacture, c. Together with the above, the contractor shall provide spares for components, I.e., fuses, MCBs, diode, etc.			
1.19	Operating strategy requirements a. The electromagnets are already interlocked to the conveyor belt from the switchgear and no further interlocking is required from the contractor, b. The existing operational and sequence philosophy of conveyor belts and electromagnets will not change, c. The existing remote/local control operational philosophy of Electromagnets will remain the same, d. The existing electromagnet manual cleaning and demagnetization control circuit operational philosophy will remain the same, e. Contractor shall only provide operational instructions for local control panel, f. Contractor shall provide operational training to the Operators and electrical technicians/artisans.		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 22 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

(Faint, illegible text, likely a watermark or header)


	BATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

1.20	Operation requirements		HOLD	CONTRACTOR
	<ul style="list-style-type: none"> a. The Electromagnet shall attract tramp irons, b. The Electromagnet shall attract even burden tramp irons, c. The Electromagnet cooling fins shall be sufficient enough to cool the magnet, d. The Electromagnet shall not attract tramp irons beyond the belt width and below the belt, e. The Electromagnet shall not move away from its belt position after cleaning, f. The manual cleaning Electromagnet shall only be de-energized when it is moved against the existing terminal switch at the end of the crawl beams, g. The Electromagnet shall remain on its mean working distance position to the belt 300-325mm, h. The Electromagnet shall have light indicators for ON/OFF/TRIP and Volts/Amps readings on the local control panel, i. If the Electromagnet trip, it shall trip the conveyor belt, j. The Electromagnet Rectifiers shall not overheat and shall dissipate heat onto the heatsink or oil if the rectifier circuit is oil cooled, 			

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 23 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom. It is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the written consent of Eskom. It is to be returned to Eskom when it is no longer required.


	<p style="text-align: center;">MATLA POWER STATION</p> <p style="text-align: center;">SCOPE OF WORK</p>	Document Identifier	14593	Rev	6
		Effective Date	March 2023		
		Review Date	March 2026		

	<p>k. The Electromagnet Rectifier Voltage Output shall be smooth and not fluctuate.</p>			
	<p>Waste Storage And Transportation</p> <p>a. The existing discharge chute for storing mine picks during magnet cleaning/demagnetization shall be used and transportation and deposit of these tramp irons strategy shall remain the same.</p>			Contractor
	<p>System Safety requirements</p> <p>a. The Contractor ensures safety awareness at all times and supplies employers with adequate PPE.</p> <p>b. All equipment shall be inspected by Matla Safety department for acceptance.</p> <p>c. The Contractor is appointed to act on behalf of the Employer in terms of the Occupational Health and Safety Act no 85 of 1993. All of the Contractor's staff complies with the Matla Site health and safety requirements titled "Contractor's Health and Safety Requirements in carrying out its obligations"</p>		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 24 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom. It is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. It is to be returned to Eskom when it is no longer required. It is to be destroyed when it is no longer required. It is to be kept confidential and its contents are not to be disclosed to the public.


	MATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	<p>to the Employer in terms of this contract; in providing the Works; in using plant, Materials and Equipment; and while at the Site for any reason, the Contractor complies, procures and ensures the compliance by its employees, agents, Subcontractors and mandatories.</p> <p>d. The Contractor ensures that all statutory appointments and appointments required by any Eskom Regulations are made and that all appointees fully understand their responsibilities and competent to execute their duties.</p> <p>e. The Employer, or any person appointed by the Employer, may, at any stage during the currency of this contract May:</p> <ul style="list-style-type: none"> • Conduct health and safety audits regarding all aspects of compliance with the SHEQ Requirements, at any off-site place of work, or the site establishment of the Contractor; Refuse any employee, Subcontractor or agent of the Contractor access to the premises if such person has been found to commit an unsafe act or any unsafe working practice or is found not to be qualified or authorised in terms of the SHEQ Requirements; • Issue the Contractor with a stop order should the Employer become aware of any unsafe working procedure or condition or any non-compliance with any provision of the SHEQ Requirements. <p>f. The Contractor appoints a person, qualified in accordance with the SHEQ Requirements, as the liaison with the Eskom Safety Officer for all matters</p>			
--	--	--	--	--

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 25 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is intended for the use of the person to whom it is addressed. It may contain confidential information and its disclosure to other persons is strictly prohibited. If you have received this document in error, please notify the sender immediately. Eskom is not responsible for the content of this document. Eskom is not liable for any loss or damage arising from the use of this document. Eskom is not responsible for any loss or damage arising from the use of this document.


	MATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date	March 2023
		Review Date	March 2026

	related to health and safety, g. Matla power station induction must be done before any work commences. h. Permit to work must be in place before any work commences. i. Worker's register must be completed, and daily risk assessment conducted before any work commences.			
	Environment requirements a. All activities listed in the National Environmental Act 107 of 1998, EIA Regulations as amended, must have environmental AUTHORISATION before commencement of work. b. The contractor shall comply with all applicable legal and other requirements. c. The polluter pays principle will be applied. d. The contractor manager shall ensure compliance with Eskom Matla Environmental procedures to ensure the prevention of pollution (refer: OMOP 4090 and 4402). e. The last payment will be processed based on the status of the last housekeeping check sheet (Annexure C: OMOP 4402) of designated area.		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 26 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure


(Faint, illegible text, likely a watermark or bleed-through)

	WATLA POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	6
		Effective Date	March 2023		
		Review Date	March 2026		

	f. EMS file based on ISO14001 will be required.			
	Quality Management Requirements The Contractor conforms to the following Quality Management requirements: <ul style="list-style-type: none"> a. The quality requirements are as per ISO 9001 and Eskom Quality Standard QM 58. b. The requirements of the Eskom Weld Rulebook (240 – 43156827) shall be adhered to. c. Documents submitted for review and acceptance by the Project Manager after the Contract Date and prior to the commencement of work are referred to in QM 58 section 3.5.2. d. The Contractor submits a fully detailed Quality Control Plan for acceptance within four weeks of the Contract Date. e. No work is allowed on Site unless the Employer accepts the Quality Control Plan. f. The Contractor utilises the Employer's quality documentation forms for requesting access, erection checks etc. These request forms are to be submitted to the Supervisor at least one week prior to the requested activity, or 		HOLD	CONTRACTOR
Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 27 of 35	

Controlled Disclosure

(This document is controlled and its use is restricted to the project it was developed for. It is not to be used for any other project without the written approval of the project manager. It is not to be distributed outside the project team without the written approval of the project manager.)


	NATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	<p>as agreed to by the Project Manager.</p> <p>g. Apart from any statutory data packages required, the Contractor also compiles a data package of the relevant drawings, test certificates, CoC etc. for each section of work which is to be reviewed and signed off by the Supervisor at erection check stage prior to the commencement of the commissioning phase,</p> <p>h. The Contractor is responsible for defining the level of QA/QC or inspection to be imposed on his Subcontractors and suppliers of material. This level should be based on criticality of Plant and Material and be submitted to the Project Manager for acceptance.</p> <p>i. The Contractor submits a schedule of unpriced orders to be placed that is updated monthly.</p> <p>j. The Contractor shall provide the QCP/ITP for review and acceptance by Eskom prior to the commencement of any work.</p> <p>k. The Contractor submits a quality report in accordance with the requirements of QM 58.</p>			
	<p>Procurement requirements</p> <p>The Contractor procures all Plant and Materials required for constructing, installing and commissioning the works.</p> <p>The Contractor:</p>		HOLD	CONTRACTOR

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 28 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

Watermark text: Eskom is a registered trademark of Eskom Holdings SOC Ltd. All rights reserved. Eskom is a registered trademark of Eskom Holdings SOC Ltd. All rights reserved.


	NUVLA POWER PLANT SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

	<p>a. Advises the Project Manager in advance of all major shipments of Plant and Material and coordinates with the Employer the arrival, off-loading and release of such. The Contractor promptly unloads its shipments and promptly releases carrier equipment.</p> <p>b. Notifies the Project Manager of being unable to promptly unload any shipment not less than 5(five) days prior to arrival. The Project Manager, at his option, off-loads or decides for others to off-load such shipments for the account and risk of the Contractor. Costs incurred in respect of off-loading will be for the Contractor's account.</p> <p>c. Ensures that all the Plant and Materials are inspected. The Contractor notifies the Project Manager who instructs designated Employer's representatives to inspect the Plant and Materials at the factory, or the Contractor's premises, before it is transported to the Site</p>		
	<p>Construction requirements</p> <p>The Contractor manufactures, fabricates and assembles the Plant and Materials in accordance with the Employer's 240-55864553 standards and specifications as listed in section 3.3.</p>	<p>240-55864553 standards and specifications as listed in section 3.3.</p>	<p>CONTRACTOR</p>

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 29 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is to be used only for the purposes for which it was issued. It is not to be distributed, copied, reproduced, or otherwise made available to the public. It is to be stored, handled, and disposed of in accordance with Eskom's Information Management Policy. If you are not an intended recipient, you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake. If you are not an intended recipient you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake. If you are not an intended recipient you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake.


	WIND POWER PLANT SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date	March 2023
		Review Date	March 2026

	House Keeping requirements. <ul style="list-style-type: none"> a. The Contractor shall ensure that the Site is cleaned daily. b. All Equipment is packed neatly without interference to access. c. All excess scaffolding material is removed from Site after the scaffolding is erected. d. Scrap bins are made available by the Contractor to store any scrap and debris at the Site and the Contractor is responsible for their removal to the designated scrap area on a daily basis. 		HOLD	CONTRACTOR
--	--	--	------	------------

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 30 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is intended for the use of the person to whom it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom.

	CHATTA POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	6
		Effective Date	March 2023		
		Review Date	March 2026		


RE-COMMISSION

	SCOPE OF WORK DESCRIPTION / ACTIVITY	PROCEDURE, SPECIFICATION, ENG. REQUIREMENTS / DOCUMENTATION	HOLD POINTS, WITNESS, REPORTS	RESPONSIBLE PARTY
1.1	<ul style="list-style-type: none"> Re-commission all circuits which were placed out of service for maintenance purposes. 	All workers shall need to have signed out and the responsible permit holder shall satisfy himself that there are no people still working on the line prior to energization as per PSR (36-681).	OPS & EMD to witness	OPS
1.2	<ul style="list-style-type: none"> Equipment used for earthing and isolation. 	PTM shall ensure that all relevant equipment used for earthing and isolating is removed as per PSR (36-681) requirements and accounted for prior to energization of the line.	OPS and EMD to ensure all permits are cleared and the plant is in service.	OPS & EMD

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 31 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. The information contained herein is confidential and its disclosure to unauthorized persons is prohibited. Eskom is not responsible for any loss or damage arising from the use of this document.

	KALLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	


BILL OF MATERIAL

Replace/Refurbish	Full description of Material/Spares/Equipment	Specifications of Material/Spares/Equipment	Stock No	Part Number	Required Quantity
Replace	Electromagnet	1X manual and 1X self-cleaning. 220VDC,40A max			X2
Replace	Transformer Rectifier	380VAC to preferably 220VDC			X2
Replace	Suspension Tackle Set				X2
Replace	Cable glands/shroud/Lugs etc				Contractor to confirm
Provide	Local Control Panel	380V AC			X2

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 32 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and contains confidential information. It is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. If you are not an intended recipient, you should not disseminate, distribute or take any action in reliance on the contents of this information. If you have received this document by mistake, please notify us immediately by e-mail at eskomp@eskom.co.za or by telephone at 011 785 2000. Eskom is not liable for any loss or damage arising from the use of this information.


	MATLA POWER STATION SCOPE OF WORK	Document Identifier 14593	Rev 6
		Effective Date March 2023	
		Review Date March 2026	

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)			X	
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			

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 33 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

This document is the property of Eskom and is to be used only for the purpose for which it is issued. It is not to be distributed, copied, or otherwise used without the prior written consent of Eskom. It is to be destroyed when it is no longer required for the purpose for which it was issued. It is to be kept confidential and its contents are not to be disclosed to the public or any other person without the prior written consent of Eskom.

	INZLA POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	6
		Effective Date	March 2023		
		Review Date	March 2026		


URS			X	
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, TOIs, OON, SI			X	

COMMENTS

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 34 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

(Faint, illegible text, likely a watermark or header/footer note)

	MATLA POWER STATION SCOPE OF WORK	Document Identifier	14593	Rev	6
		Effective Date	March 2023		
		Review Date	March 2026		

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

Reference No: MEE-06538	Reference Rev No: 1	Date: 2023/03/01	Page 35 of 35
--------------------------------	---------------------	------------------	---------------

Controlled Disclosure

Wetenskaplike Inligting is 'n goeie besitting en moet beskerm word. Indien u kennis van hierdie inligting het, moet u dit vertroulik hou en dit nie openbaar maak nie. Indien u kennis van hierdie inligting het, moet u dit vertroulik hou en dit nie openbaar maak nie.