

ESKOM MES APPLICATIONS DECISION COMPLIANCE IMPLICATION SUMMARY

2 December 2019

Table 1 Compliance status of Eskom stations immediately on issuance of MES decision of 30 October 2021

Station	Compliance status immediately on decision			MW loss
	PM (limit)	NOx (limit)	SO ₂ (limit)	
Duvha	50	1100	2300	200
Grootvlei	50	1100	3500	0
Kusile	50	500	750	0
Lethabo	50	1100	2500	3558
Matla	50	750	2600	3450
Arnot	50	1000	2500	0
Hendrina	50	1100	3200	0
Matimba	50	750	3500	0
Medupi	50	750	3500	600
Tutuka	100	1100	3400	3510
Camden	50	1100	3200	0
Kendal	50	1100	2600	3840
Kriel	100	1100	2800	800
Komati	100	1100	2600	0
Majuba	50	1300	3200	0
Acacia	50	600	500	0
Port Rex	75	600	500	0
Total				15958
Comply with limit	Not comply		Risk of non-compliance	

NOTES

- i. Assessment based on a review of Eskom requested limits and present emission performance versus required MES decision limits. If performance will not meet the required limit the station units shutdown.
- ii. Based on previous work some degree of load shedding may be possible for PM reduction at some stations.
- iii. Load reduction will not assist with NOx or SO₂ limit compliance so units unable to meet the required limits will be expected not to operate.
- iv. As most stations have existing MES postponements for SO₂ non-compliance is due to PM or NOx non-compliance. When planned upgrades are completed the stations would meet the set emission limits in many cases.

Table 2 Compliance status of Eskom stations after 1 April 2025 based on MES decision of 30 October 2021 (existing postponements lapse)

Station	Compliance status April 2025			MW loss
	PM (limit)	NO _x (limit)	SO ₂ (limit)	
Duvha	50	750	1000	2875
Grootvlei	50	1100	3500	0
Kusile	50	500	750	0
Lethabo	50	750	1000	3558
Matla	50	750	1000	3450
Arnot	50	1000	2500	0
Hendrina	50	1100	3200	0
Matimba	50	750	1000	3690
Medupi	50	750	1000	4320
Tutuka	50	750	1000	3510
Camden	50	1100	3200	0
Kendal	50	750	1000	3840
Kriel	100	1100	2800	800
Komati	100	1100	2600	0
Majuba	50	750	1000	3843
Acacia	50	1300	3200	0
Port Rex	50	1300	3200	0
Total				29886
Comply with limit	Not comply		Risk of non-compliance	

NOTES

- i. Assessment based on a review of Eskom requested limits and present emission performance versus required MES decision limits. If performance will not meet the required limit the station units shutdown.
- ii. Based on previous work some degree of load shedding may be possible for PM reduction at some stations.
- iii. Load reduction will not assist with NO_x or SO₂ limit compliance so units unable to meet the required limits will be expected not to operate.
- iv. In 2025 existing MES postponements for SO₂ lapse so even if PM and NO_x comply SO₂ limits can not be met and the units are shutdown. Medupi will meet SO₂ limits post 2027 on completion of the planned SO₂ reduction retrofit.

