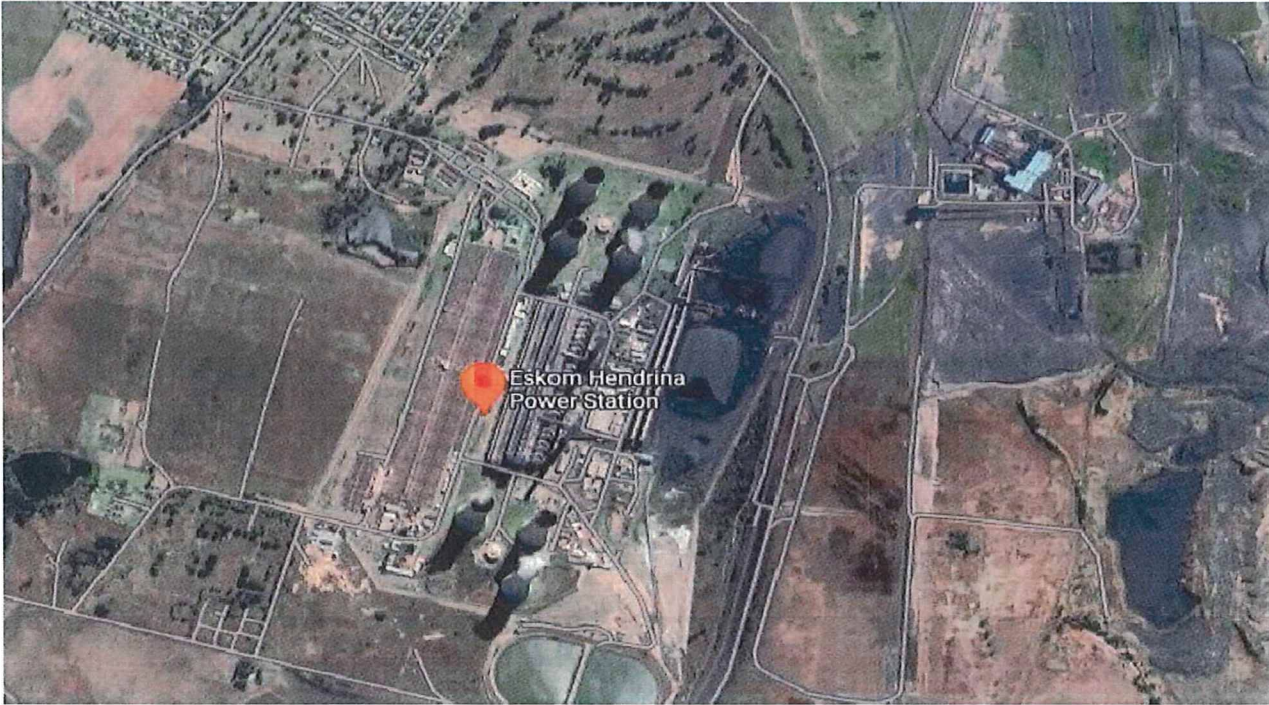


HENDRINA POWER STATION MONTHLY EMISSIONS REPORT

Atmospheric Emission License: 17/4/AEL/MP312/11/16



1 RAW MATERIALS AND PRODUCTS

Raw Materials and Products	Raw Material Type	Units	Max Permitted Consumption Rate	Consumption Rate Sept-2025
	Coal	Tons	820 000	218 536
Fuel Oil	Tons	3 200	1340.72	

Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Sept-2025
	Energy	GWh	1355.76	371.69
Ash	Tons	290 000	47 837.53	
RE Ash	kg/MWh	not specified	0.07	

Note: Max energy rate = AEL capacity [1,883MW] × 24 hrs × days in month ÷ 1,000 (to convert to GWh).

2 ENERGY SOURCE CHARACTERISTICS

Coal Characteristic	Units	Stipulated Range	Monthly Average Content
CV Content	MJ/kg	18-22 (MJ/kg)	23.6
Sulphur Content	%	0.6 to < 1 (%)	0.57
Ash Content	%	20 to < 35 (%)	21.89

3 EMISSION LIMITS (mg/Nm³)

Associated Unit/Stack	Daily Limit		
	PM	SO ₂	NO _x
North	50	3200	1100
South	50	3200	1100

4 ABATEMENT TECHNOLOGY (%)

Associated Unit/Stack	Technology Type	FFP Efficiency
North	Fabric Filter Plant (FFP)	100%
South	Fabric Filter Plant (FFP)	100%

Note: The FFP does not have a bypass mode; therefore, it operates at 100% utilization.

5 DATA RELIABILITY (%)

Associated Unit/Stack	PM	SO ₂	NO	O ₂
North	100.0	100.0	100.0	98.8
South	100.0	100.0		99.9

Note: NO_x emissions are measured as NO in PPM. The total NO_x value is expressed as total NO₂ equivalent.

6 EMISSION PERFORMANCE

Table 6.1: Monthly tonnages for September 2025

Associated Unit/Stack	PM (tons)	SO ₂ (tons)	NO _x (tons)
Unit 1	Off	Off	Off
Unit 2	2.8	458	180
Unit 3	Off	Off	Off
Unit 4	4.1	786	542
Unit 5	3.4	508	357
Unit 6	8.2	1 243	
Unit 7	Off	Off	Off
Unit 8	Off	Off	Off
Unit 9	Off	Off	Off
Unit 10	6.9	1 105	
SUM	25.34	4 100	1 049

South Stack NO_x Monitor reliability value is not reported because of a suspected error which is still under investigation. This report will be updated with a verified value after the investigation is concluded.

Values for the South Stack NO_x (Units 6, and 10) will be submitted once the investigation is concluded as indicated on item 5 above.

Table 6 2 PM AEL Daily Compliance - September 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	30	0	0	0	0	10.9
South	30	0	0	0	0	11.3
SUM	60	0	0	0	0	

Table 6 3 SO₂ AEL Daily Compliance - September 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	30	0	0	0	0	2.0003
South	30	0	0	0	0	1.7457
SUM	60	0	0	0	0	

Table 6.4: NO_x AEL Daily Compliance - September 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	30	0	0	0	0	705.7
South						
SUM	30	0	0	0	0	

South Stack NO_x readings are suspected of an error and still under

Table 6.5: Legend Description

Condition	Colour	Description
Normal	Green	Emissions below Emission Limit Value (ELV)
Grace	Blue	Emissions above the ELV during grace period
Section 30	Orange	Emissions above ELV during a NEMA S30 incident
Contravention	Red	Emissions above ELV but outside grace or S30 incident conditions

Figure 1: Hendrina North Stack PM Emissions - September 2025

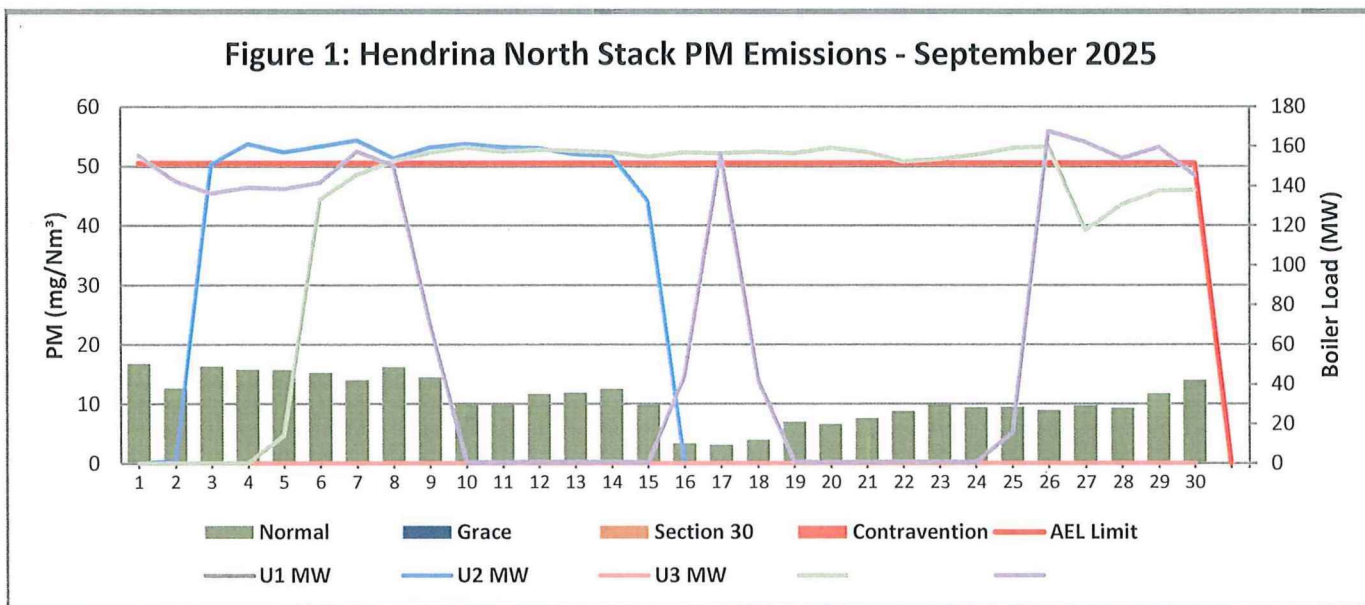


Figure 2: Hendrina South Stack PM Emissions - September 2025

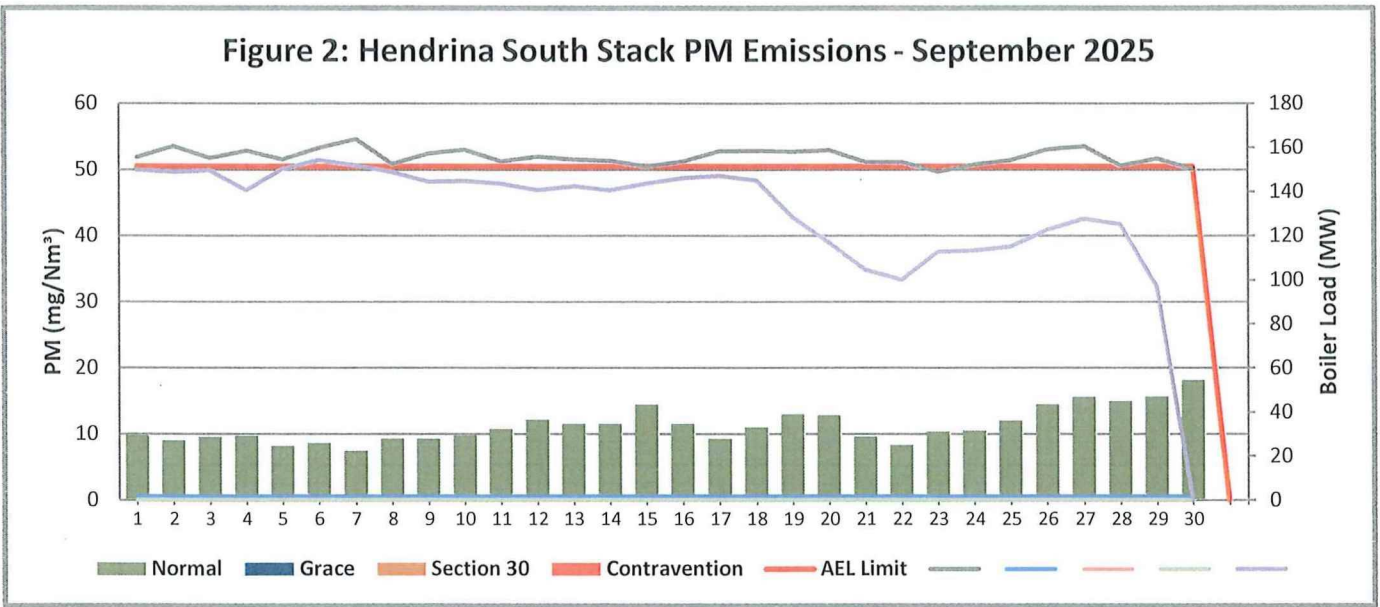


Figure 3: Hendrina North Stack SO₂ Emissions - September 2025

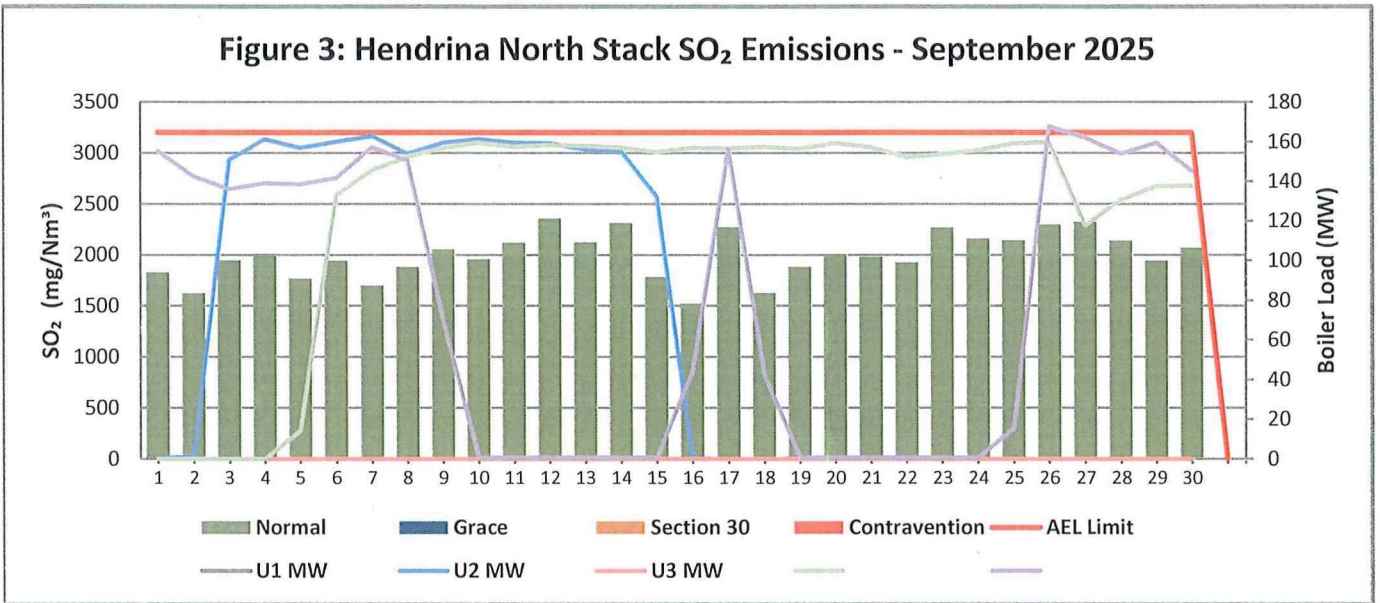


Figure 4: Hendrina South Stack SO₂ Emissions - September 2025

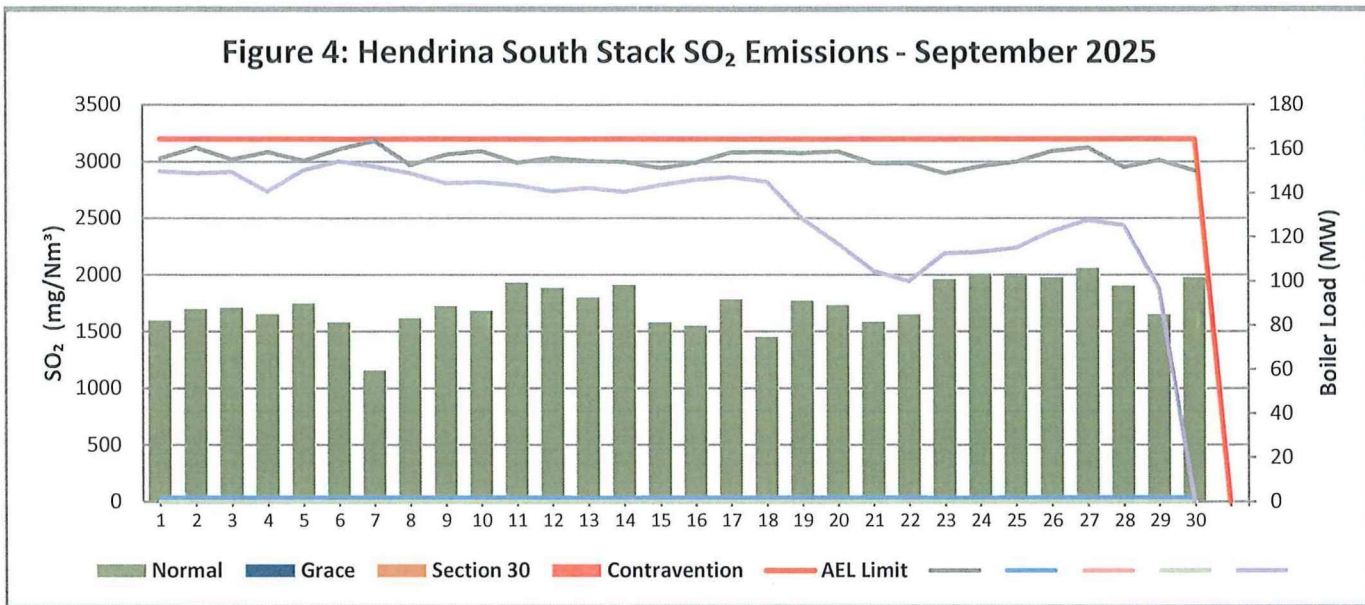


Figure 5: Hendrina North Stack NO_x Emissions - September 2025

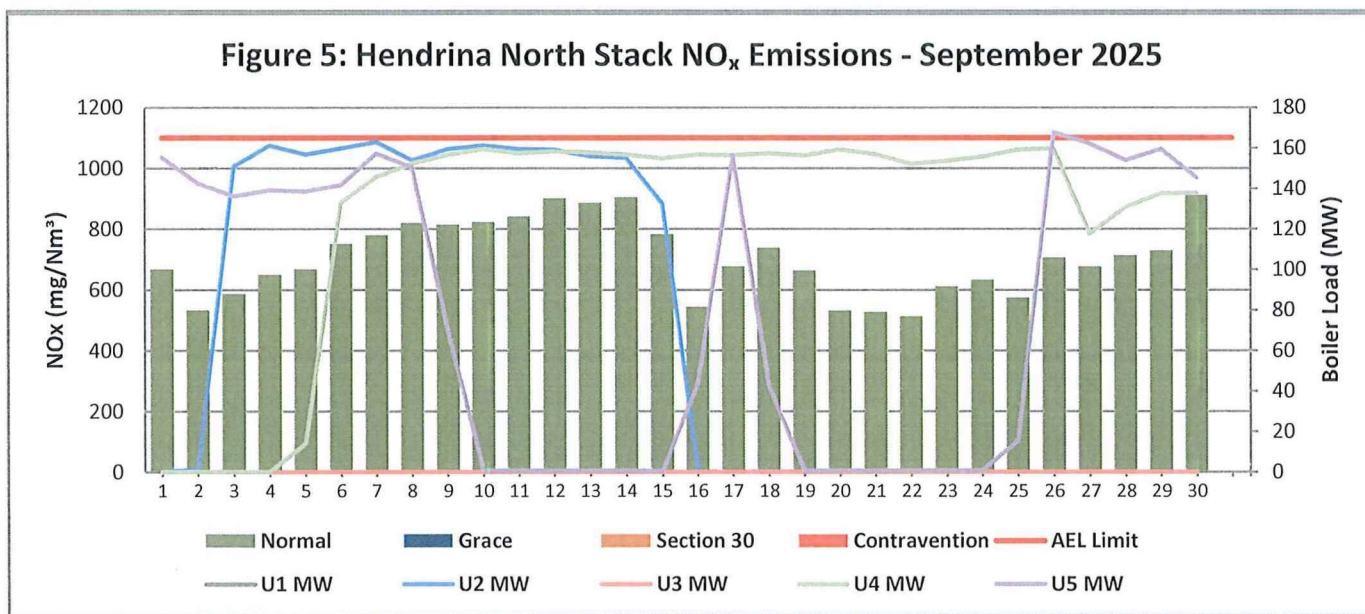
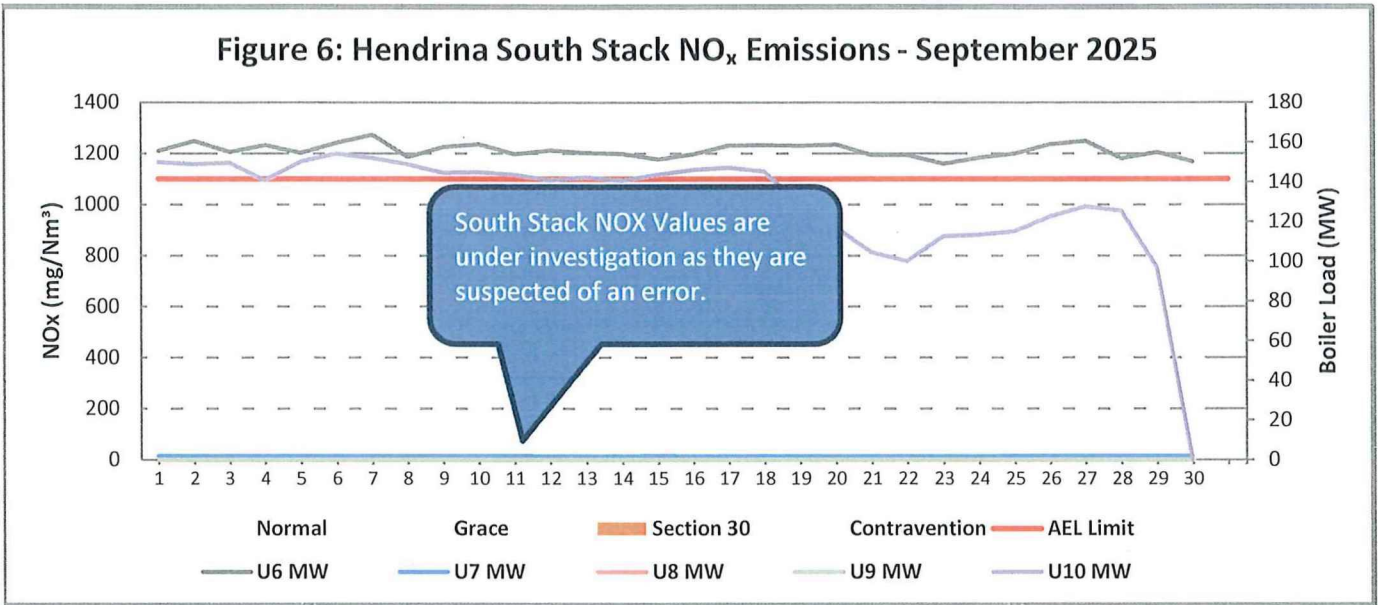


Figure 6: Hendrina South Stack NO_x Emissions - September 2025



7 COMPLAINTS

There were no complaints for this months

Source Code / Name	Root Cause Analysis	Calculation of Impacts / emissions associated with the incident	Dispersion modeling of pollutants where applicable	Measures implemented to prevent reoccurrence

8 GENERAL

Unit 7 was offload during the month of September 2025.

The South Stack is currently using a spot test curve because the units do not meet the minimum operating conditions for a full correlations test (3200 operating hours for FFP bags per unit, and 2 units should be on load at the time of the test). The reports will be updated once valid correlations have been conducted and implemented.

South Stack NOx monitor readings are under investigation because of suspected erroneous data. Once the investigation is concluded, the value will be stated and the report will be resubmitted. Additional information demonstrating compliance as per the annual reporting requirements will be submitted to the authorities within the stipulated timeframe.

9 Complaints and S30 Incidents Register

No Section 30 or Complaints were reported for the Month of September 2025

A. Boja 17 April 2026

Compiled: Environmental Officer Date
A. Boja

T. L. 22/04/2026
Authorised by: GM Date
T. Lekalakala

Compiled by Boiler Engineering Department
For Nkangala District Municipality
Copies Eskom Environmental Management
Group Technology Engineering
Hendrina Power Station

Moyahabo Cetlyff Maoto 20 April 2026
Checked by. System
Engineer Boiler/ FFP
Moyahabo Cetlyff Maoto

pp G. Kgatlhe 2026/04/20
Validated by Manager: Boiler Engineering Manager
G. Kgatlhe

L. Ntila 21/04/2026
Supported by: Environmental Manager
L. Ntila

FFP SE/ Environmental Officer
Air Quality Officer
D Herbst
B Mccourt
R Rampiar
E. Patel
Engineering Manager
Operating Manager
Maintenance Manager
Unit Production Manager
Boiler Engineering Manager
System Engineer. Boiler Engineering
Environmental Officer
C & I Engineering Manager
Production Manager
Environmental Manager
PSM