

Quality And Accreditation Institute

Centre for International Accreditation



Certificate of Accreditation

Mitra S. K. Private Limited

Plot No. 97, Sector 1A, Kutch,
Gandhidham-370201, Gujarat, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2024/0077

(Date of First Accreditation: 14 September 2024)

Valid from: 16 October 2026

Valid until: 15 October 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Ores and Minerals		
1.	Bauxite	Alumina	IS 2000 Part 3: 1985: 2022
2.	Bauxite	Ferric Oxide	IS 2000 Part 4: 1985 :2022
3.	Bauxite	LOI	IS 2000 Part 1: 1985 :2022
4.	Bauxite	Moisture	TPM/MSK/GDM/5/A Dated 20.10.2023: 2023
5.	Bauxite	Silica	IS 2000 Part 2: 1985 :2022
6.	Bauxite	Titania	IS 2000 Part 5: 1985 :2022
7.	Bauxite	Sampling of Bauxite	IS 1999:1987: 2024
8.	Iron Ore	Alumina	IS 1493 Part-1: 2025
9.	Iron Ore	Moisture	IS 11690 :1986 :2023
10.	Iron Ore	Moisture	IS 1493: 1959 :2021
11.	Iron Ore	Phosphorus	IS 1493 Part-1: 2025
12.	Iron Ore	Phosphorus	TPM/MSK/GDM/2/D Dated 05.10.2023
13.	Iron Ore	Silica	IS 1493 Part- 1: 2025
14.	Iron Ore	Sulphur	IS 1493 Part- 1: 2025

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Ores and Minerals		
15.	Iron Ore	Total Iron (Fe)	IS 1493 Part- 1: 2025
16.	Iron Ore	Loss of Ignition (LOI)	TPM/MSK/1/V1/ (Issue No.3 dated- 03.11.2023)
17.	Limestone	Calcium Oxide as (CaO)	IS 1760 (Part 3):2025
18.	Limestone	Ferric Oxide as (Fe ₂ O ₃)	TPM/MSK/GDM0/27/00; Issue dated 10.12.2023 :2023
19.	Limestone	Ferric Oxide as (Fe ₂ O ₃)	IS 1760 (Part: 3) 2025
20.	Limestone	Loss on ignition	IS 1760 (Part-1) :2025
21.	Limestone	Magnesium Oxide as (MgO)	IS 1760 (Part 3): 2025
22.	Limestone	Silica as (SiO ₂)	IS 1760 (Part2): 1991: 2022
23.	Rock phosphate	LOI	IS 11224:1985: 2024
24.	Rock phosphate	Moisture	IS 11224 :1985: 2024
25.	Rock Phosphate	Silica	IS 11224: 1985: 2024
26.	Rock Phosphate	Total (P ₂ O ₅)	IS 11224: 1985: 2024
27.	Zinc	Zinc	TPM/MSK/48/A (Issue No.02 dated 01.04.2022)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Solid Fuels		
1.	Coal	Moisture	D3173/D3173M-25
2.	Coal	Moisture	IS 1350 Part 1: 2025
3.	Coal	Moisture	ISO 11722:2013
4.	Coal	Total Moisture	D3302/D3302M-22a
5.	Coal	Total Moisture	IS 1350 Part 1: 2025
6.	Coal	Total Moisture	ISO 589: 2008
7.	Coke	Moisture	D3173/D3173M-25
8.	Coke	Moisture	IS 1350 Part 1: 2025
9.	Coke	Moisture	ISO 687: 2024
10.	Coke	Total Moisture	IS 1350 Part 1: 2025
11.	Coke	Total Moisture	ISO 579: 2013
12.	Coal	Equilibrated Moisture	IS 1350 Part- 1: 2025
13.	Coal	Ash	ASTM D 3174-12(2018) e1
14.	Coal	Ash	IS 1350 Part- 1: 2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Solid Fuels		
15.	Coal	Ash	ISO 1171:2024
16.	Coal	Fixed Carbon	ASTM D3172- 13(2021) e1
17.	Coal	Fixed Carbon	IS 1350 Part- 1: 2025
18.	Coal	Fixed Carbon	ISO 17246:2024
19.	Coal	Gross Calorific Value	ASTM D5865- 19: 2019
20.	Coal	Gross Calorific Value	ISO 1928:2025
21.	Coal	Gross Calorific Value	IS 1350 Part- 2:2022
22.	Coal	Phosphorus	IS 1350 Part- 5: 2017
23.	Coal	Phosphorus	TPM/MSK/GDM/3/I Issue Dated 06.12.2023
24.	Coal	Total Sulphur	ASTM D 4239- 2026
25.	Coal	Total Sulphur	IS 1350 Part- 3: 2022
26.	Coal	Total Sulphur	ISO 334: 2020
27.	Coal	Volatile Matter	ASTM D 3175-2026
28.	Coal	Volatile Matter	IS 1350 Part- 1: 2025

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Solid Fuels		
29.	Coal	Volatile Matter	ISO 562: 2024
30.	Coal	Hardgrove grindability Index (HGI)	IS 4433: 1979, RA 2020
31.	Coal	Hardgrove grindability Index (HGI)	ISO 5074: 2015
32.	Coke	Ash	ASTM D 3174- 12(2018) e1
33.	Coke	Ash	IS 1350 Part- 1: 2025
34.	Coke	Ash	ISO 1171:2024
35.	Coke	Fixed Carbon	ASTM D3172- 13(2021) e1
36.	Coke	Fixed Carbon	IS 1350 Part- 1: 2025
37.	Coke	Fixed Carbon	ISO 17246: 2024
38.	Coke	Gross Calorific Value	ASTM D5865- 19: 2019
39.	Coke	Gross Calorific Value	ISO 1928: 2025
40.	Coke	Gross Calorific Value	IS 1350 Part-2: 2022
41.	Coke	Phosphorus	IS 1350 Part- 5: 2017
42.	Coke	Phosphorus	TPM/MSK/GDM/3/I Issue Dated 6.12.2023

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Solid Fuels		
43.	Coke	Total Sulphur	ASTM D 4239: 2026
44.	Coke	Total Sulphur	IS 1350 Part- 3: 2022
45.	Coke	Total Sulphur	ISO 334: 2020
46.	Coke	Volatile Matter	ASTM D 3175-26: 2026
47.	Coke	Volatile Matter	IS 1350 Part- 1: 2025
48.	Coke	Volatile Matter	ISO 562: 2024



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Sampling			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Ores and Minerals		
1.	Bauxite	Sampling of Bauxite	IS 1999:1987: 2024
2.	Iron Ore/ Mill Scale	Iron Ore/ Mill Scale sampling and sample preparation manual method	IS 1405: 2010: 2021
3.	Iron Ore	Method of sampling Iron Ore pellets	IS 9101: 1979: 2019
4.	Lime stone	Sampling of Lime Stone	IS 2109: 1982: 2019
5.	Rock Phosphate	Sampling of Rock Phosphate	IS 11211: 1984: 2024

Sampling			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Solid Fuels		
1.	Coal & Coke	Sampling of Coal & Coke	IS-436 Part-1 Section -1: 2024
2.	Coal & Coke	Sampling of Coal & Coke	ISO 18283 :2022
3.	Coal & Coke	Sampling of Coal & Coke	D2234/D2234M-20

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