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SHAKAMBHARI
GROUP
#SteelWithin

SHAKAMBHARI ISPAT & POWER LTD.
(Formerly known as Ess Dee Aluminium Ltd.)

STANDARD OPERATING PROCEDURE

Title: Operation of Heating Oven

Page No. 1 of 2

SOP No.	Version No.	Effective Date	Next review date
SIPL/QCI/003	00	06.07.2026	05.07.2028

1.0 PURPOSE

1.1 To define a procedure for operation of the Heating Oven.

2.0 SCOPE

2.1 This SOP applies to the Quality Control Department.

3.0 REFERENCE(S) & ATTACHMENTS

3.1 References:

3.1.1 In-house.

3.2 Attachments:

3.2.1 Nil.

4.0 RESPONSIBILITY

4.1 QC Department Head:

4.1.1 To prepare the SOP.

4.1.2 To confirm the content, correctness, and detailing of the SOP.

4.2 QA Head:

4.2.1 To approve the new or revised SOP.

4.2.2 To ensure implementation of the defined system.

5.0 DISTRIBUTION

5.1 Quality Assurance.

5.2 Quality Control.

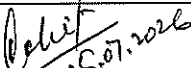
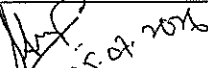
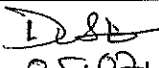
6.0 DEFINITION(S) & ABBREVIATION(S)

6.1 Definitions:

6.1.1 Nil.

6.2 Abbreviations:

6.2.1 Nil.

Prepared By:	Checked By:	Approved By:
 05.07.2026	 05.07.2026	 05.07.2026

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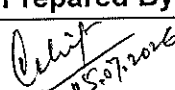
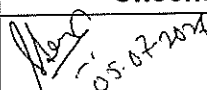
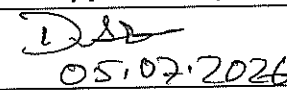
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7.0 PROCEDURE

- 7.1 Keep the toggle switch at the left side to activate the digital temperature controller. In case the digital controller is not working, keep the toggle switch at the right side to activate the manual controller.
- 7.2 Adjust the position of the ventilator (located on the top of the oven) as per the following:
 - 7.2.1 For temperature up to 100 °C – Keep the ventilator closed.
 - 7.2.2 For temperature up to 150 °C – Unscrew the ventilator to 2 mm.
 - 7.2.3 For temperature up to 250 °C – Unscrew the ventilator to 3 mm.
- 7.3 Switch on the oven.
- 7.4 Set the required temperature in the digital temperature controller.
- 7.5 Wait for 15-30 minutes till the temperature is achieved inside the oven.
- 7.6 Keep the specimen for the required duration in the oven.

8.0 REVISION HISTORY

Revision No.	00	Effective Date	06.07.2026	CC No.	NA
Details of revision: New SOP					

Prepared By:	Checked By:	Approved By:
 05.07.2026	 05.07.2026	 05.07.2026