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

STANDARD OPERATING PROCEDURE

Title: Operation of Colour Matching Cabinet			Page No. 1 of 2
SOP No.	Version No.	Effective Date	Next review date
SIPL/QCI/006	00	06.07.2026	05.07.2028

1.0 PURPOSE

- 1.1 To define a procedure for operation of the Colour Matching Cabinet.

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.

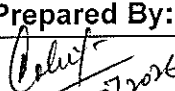
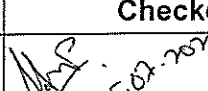
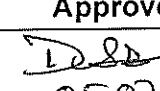
6.0 DEFINITION(S) & ABBREVIATION(S)

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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 SHAKAMBHARI GROUP #SteelWithin		SHAKAMBHARI ISPAT & POWER LTD. (Formerly known as Ess Dee Aluminium Ltd.)	
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7.0 PROCEDURE

- 7.1 The ideal light sources for colour matching are considered to be the Sun and Sky, particularly because of their presumed colour consistency. However, in practice sunlight varies from 1860 K at sunrise to 5000 K at noon, and skylight ranges from 6500 K (overcast sky) to 28000 K (blue clear north-west sky). Thus, natural daylight varies with time of day, season, atmospheric conditions, geographic location, and so on.
- 7.2 Put the main switch on.
- 7.3 Set the time as required. Press the Set key, i.e. key No. 1 from the left.
- 7.4 Then press the green switch to count down the minutes.
- 7.5 After the set time is over, the tube light will automatically go off.
- 7.6 To examine or match the shade, select the appropriate light source:
- 7.6.1

Light Source	Description
D-65	The artificial daylight fulfils the need. All shades produced in all shifts can be compared under this light.
D-50	Produces evening light. Difference in shade due to different intensity can be easily detected by putting the shade under this source.
UV	Tube light detects the presence of optical brightener in printing paper.
TL-84	Gives show-room illumination.

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:
