

For Restricted Circulation only

 SHAKAMBHARI GROUP # SteelWithin		SHAKAMBHARI ISPAT & POWER LTD. (Formerly known as Ess Dee Aluminium Ltd.)	
STANDARD OPERATING PROCEDURE			
Title: Operation of Bursting Strength Tester			Page No. 1 of 2
SOP No.	Version No.	Effective Date	Next review date
SIPL/QCI/007	00	06.07.2026	05.07.2028

1.0 PURPOSE

1.1 To define a procedure for operation of the Bursting Strength Tester.

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.

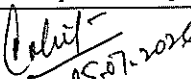
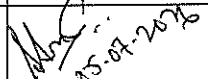
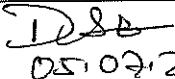
5.2 Quality Control.

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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GROUP

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7.0 PROCEDURE**7.1 For Bursting Strength Testing:**

- 7.1.1 Cut the specimen of the sample to be tested. The sample size should be 100 mm x 100 mm.
- 7.1.2 Power ON the system.
- 7.1.3 Fix the sample on the equipment carefully at the centre and lock the clamp.
- 7.1.4 Press ZERO, RESTART, and then START.
- 7.1.5 Once the test is completed, note down the reading and wait for the pressure to settle down.
- 7.1.6 Unclamp the instrument and pick out the tested sample.
- 7.1.7 Take 5 tests of the same sample, note down the readings, and then obtain the average value for a better result.
- 7.1.8 The display will show the intended force (at burst) and the same value shall be held until the Zero key is pressed again.

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:
<i>[Signature]</i> 05.07.2026	<i>[Signature]</i> 05.07.2026	<i>[Signature]</i> 05.07.2026