



NSIC TECHNICAL SERVICES CENTRE
THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Government of India Enterprise)
MECHANICAL TESTING LABORATORY

Balitikuri Howrah (W.B.) 711 113
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TEST REPORT



REPORT NO. & DATE	TL-12121 20.08.2019	SHEET NO. 1 OF 2
JOB ORDER NO.	7/01/12672 dt. 07.08.2019	
SAMPLE CODE NO.	12672	
CUSTOMER'S NAME AND ADDRESS	M/s. NANDA MILLAR CO. 1/2, CHANDITALA BRANCH ROAD, KOLKATA - 700053 (W.B) INDIA	
CUSTOMER'S REF. NO.	NMC/19-20/7 Dt. 06.08.2019	
DESCRIPTION OF SAMPLE / EQUIPMENT TESTED	1) Wire Lock Resin in two boxes (Rope Capping Kit) 2) 25 mm White Metal Socket 2 nos. 3) 25 mm stranded Rope	
DRAWING NO.	Nil	
QUANTITY	01 Set	
IDENTIFICATION	---	
NATURE OF TEST & RELEVANT SPECIFICATION	Breaking Load Test	As specified by the Customer
DATE OF SAMPLE RECEIVED	07.08.2019	
DATE OF TEST	07.08.2019	
DEVIATIONS, IF ANY	NIL	
ENCLOSURE	Annexure - A (Test Photographs)	
TEST WITNESSED BY	---	

Ajit Kumar
Issued by
20.08.19

AJIT KUMAR

Asst. Manager (Tech.)



Lalan Kumar
20.08.19

Approved by
LALAN KUMAR
Dy. General Manager

Note:-

- > This report relates to the particular sample(s) tested under stated condition.
- > This report cannot be reproduced in part or full without the written permission of GM, NTSC, Howrah.
- > Any anomaly/discrepancy in this report should be brought to notice within 45 days from the date of issue
- > The test report issued to customer shall be valid only with affixed hologram of NSIC

TEST REPORTREPORT NO. &
DATETL-12121
20.08.2019

SHEET NO. 2 OF 2

**1) Test Procedure**

- i) Wire Rope is cleaned and broom is prepared.
- ii) Insert the broom in both Socket
- iii) Make sure that wire end at the top edge of basket and axes of rope and fitting are aligned.
- iv) Putty clay is added to seal the base of socket prior to pouring the prepared wire lock resin solution .
- v) Wire lock resin solution prepared and poured carefully into the socket.
- vi) Allow adequate time for gelling & curing.
- vii) Assembly including rope is ready for testing.
- viii) It was tested with the help of calibrated horizontal tensile testing machine. Load was applied gradually & observation are as under:

Breaking Load Test	
Applied Proof Load (Ton)	Observation
52.5	Wire Rope fractured & before that no slippage observed.

Ajit Kumar
Issued by *20.08.19*
AJIT KUMAR
Asstt. Manager (Tech.)



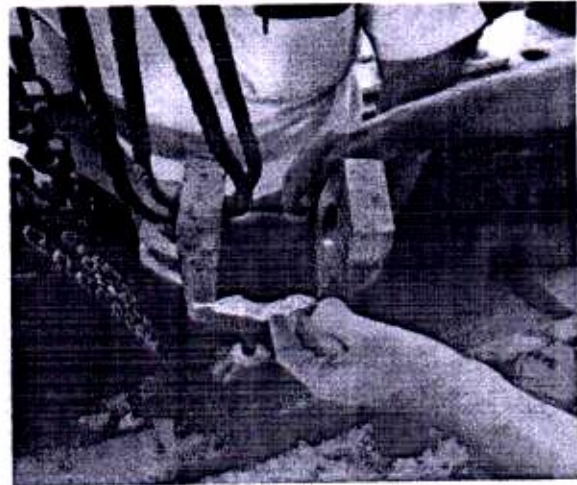
Lalan Kumar
20.08.19
Approved by
LALAN KUMAR
Dy. General Manager

TL-12121
Dt. 20.08.19

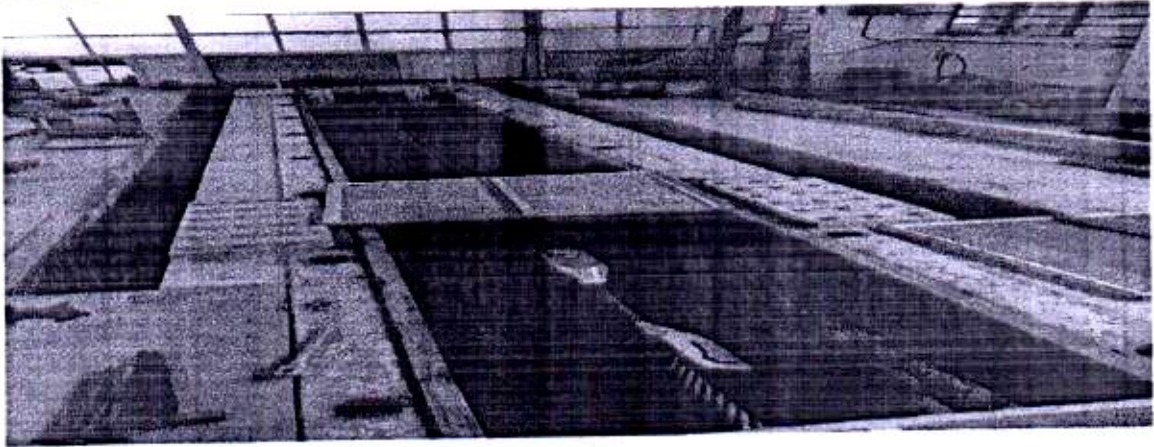
Annexure A



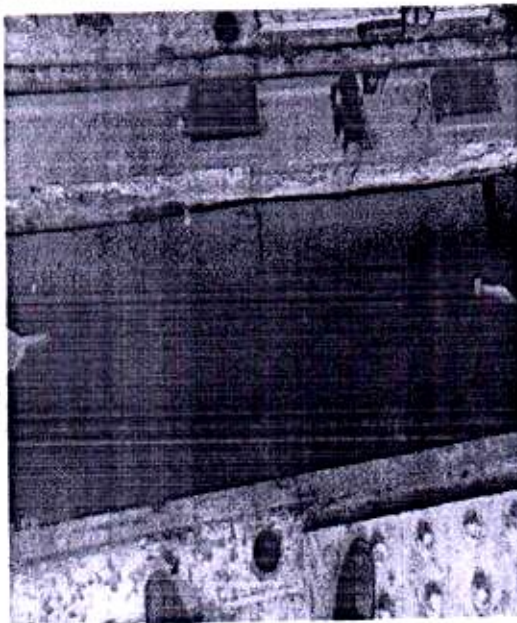
Pouring of Wirelock Resin into socket



Socket ready to be tested



socket fitted in breaking load testing machine



Fractured wire ends exhibiting typical Cone & Cup type fracture



Condition of wire lock compound intact even after rope fracture

