

Government of India
 Ministry of Communications and Information Technology
 Department of Electronics & Information Technology, Standardisation Testing & Quality Certification Directorate
ELECTRONICS REGIONAL TEST LABORATORY (EAST)

TEST REPORT ON TUBULAR LM LEAD ACID CELL

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1.0 SCOPE

1.1 Service Request No. : TE/0076/05-13
1.2 Test Report No. : ERTL(E)/TES/A010/0027/05-13
 Date : 31/07/2013

1.3 Requested by : **ACCUMULATOR MFG. CO.**
 (Name & Address : 24 B.D.MASJID BARI LANE
 of the organisation) KOLKATA 700 039
 WEST BENGAL

1.4 Description ,
 Identification
 of the item
 to be tested

Item : TUBULAR LM LEAD ACID CELL
 Make : A.M.C
 Model : 2V 600AH
 Sl.No : 07
 Qty : 1

1.4.1 Applicable Spec.of the item(s) tested:

2V 600AH

1.4.2 Characterisation and
condition of the item

Characterisation : Not applicable /
 Condition : Satisfactory /

1.5 Date of item receipt of item : 29/05/2013

1.6 Date of start of testing : 14/06/2013

1.6.1 Date of completion of testing : 31/07/2013

1.7 Location where testing performed : In house

1.8 Ambient condition during measurement : 25 +/- 2°C
 70% RH. Max.

1.9 Spec. used for testing : IS:1651.1991 & Customer's Specification

1.9.1 Details of non-standard
method followed (if any) : NIL



Certificate No. : T0002

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3.0 Equipment used

| EQPT_NO | NAME | MAKE | MODEL | CAL. VALID UPTO |
|---------|--------------------------|------------------|-----------------|-----------------|
| 1333 | AUTOMATIC BATTERY TESTER | BITRODE CORPORAT | LCNI-200-12/5-1 | 12/12/2013 |

Note: All tests were conducted within the validity period of respective equipment shown above.

**4.0 Remarks (if any)**

Tests for C10 capacity, AH, WH, efficiency & ROC have been carried out as per customer's requirement and complies with IS-1651:1991

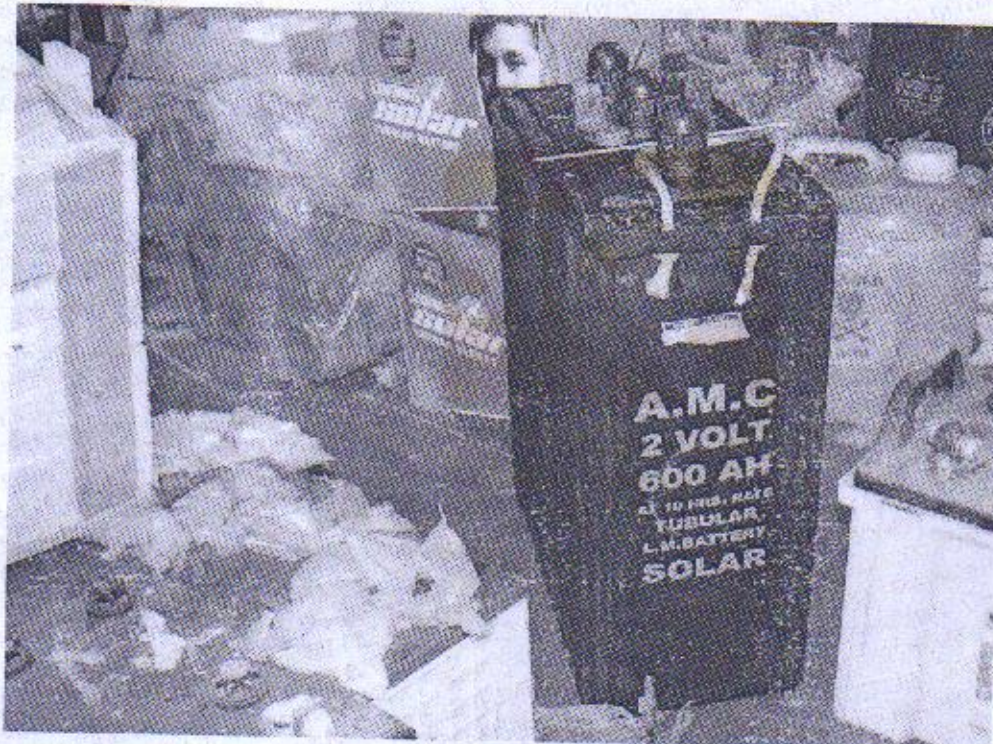
RELEASED BY
 (signature & date)

Sona
 20.8.13
SONALI JANA
 Scientist - C
 Electronics Regional Test Laboratory (East)
 STQC Directorate, Deptt. of Info. Technology
 Ministry of Comm. & Info. Technology
 Government of India
 Kolkata-700 091

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|--|---------------------|-----------|
| TEST REPORT NO. : ERTL (E) / TES / A010 / 0027 / 05 - 13 | | |
| TEST REPORT ON : TUBULAR LM LEAD ACID CELL | | |
| MAKE : A.M.C. | TEST ENGR. | DATE |
| MODEL : 2V 600AH | K.L.KUNDU A.BOSE | 31-Jul-13 |
| SERIAL NO. : 07 | | |
| QUANTITY : 01 | | |



[Signature]
 Tested by :
 (Test. Engr.)

[Signature]
 Checked By :
 S Goswami,
 Scientist 'C'

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| TEST REPORT ON : TUBULAR LM LEAD ACID CELL | | |
| MAKE : A.M.C. | TEST ENGR. | DATE |
| MODEL : 2V 600AH | K.L KUNDU A.BOSE | 31-Jul-13 |
| SERIAL NO. : 07 | | |
| QUANTITY : 01 | | |

2. TEST RESULTS : Test as per IS 1651 in conjunction with Customer's Specification

| SL. NO. | TEST OR ENVIRONMENT | CLAUSE NO. | QUANTITY | | SPECIFICATION LIMIT | TEST RESULT | REMARKS |
|---------|---|------------|----------|--------|--|-------------|---------|
| | | | TESTED | FAILED | | | |
| 1.1 | Test for Capacity after the first charge | 12.5 | 01 | 00 | Min : 510AH (85% of rated Capacity) | Complied | |
| 1.2 | Test for Capacity after the first charge or on subsequent charge discharge cycle. | 12.5 | 01 | 00 | Min : 600AH Max : 720AH | Complied | |
| 1.3 | Test for Ampere Hour Efficiency | 12.9.1 | 01 | 00 | Min : 90% | Complied | |
| 1.4 | Test for Watt Hour Efficiency | 12.9.2 | 01 | 00 | Min : 75% | Complied | |
| 1.5 | Test for loss of capacity on storage | 12.7 | 01 | 00 | Max : 10% | Complied | |

Tested by :
(Test. Engr.)

Checked By :
S Goswami,
Scientist 'C'