

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/A010/0028/05-13
Date : 31/07/2013

1.3 Requested by : **ACCUMULATOR MFG. CO.**
(Name & Address of the organisation) 24 B D MASJID BARI LANE
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 800AH |
| Sl.No. | : | 08 |
| Qty | : | 1 |

1.4.1 Applicable Spec.of the item(s) tested:
2V 800AH

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 : 13/06/2013

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



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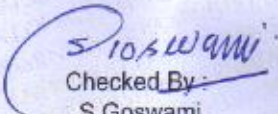
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| | | |
|--|-----------------------------|-----------|
| TEST REPORT NO. : ERTL (E) / TES / A010 / 0028 / 05 - 13 | | |
| TEST REPORT ON : TUBULAR LM LEAD ACID CELL | | |
| MAKE : A.M.C. | TEST ENGR. | DATE |
| MODEL : 2V 800AH | K.L KUNDU A.BOSE | 31-Jul-13 |
| SERIAL NO. : 08 | | |
| QUANTITY : 01 | | |

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

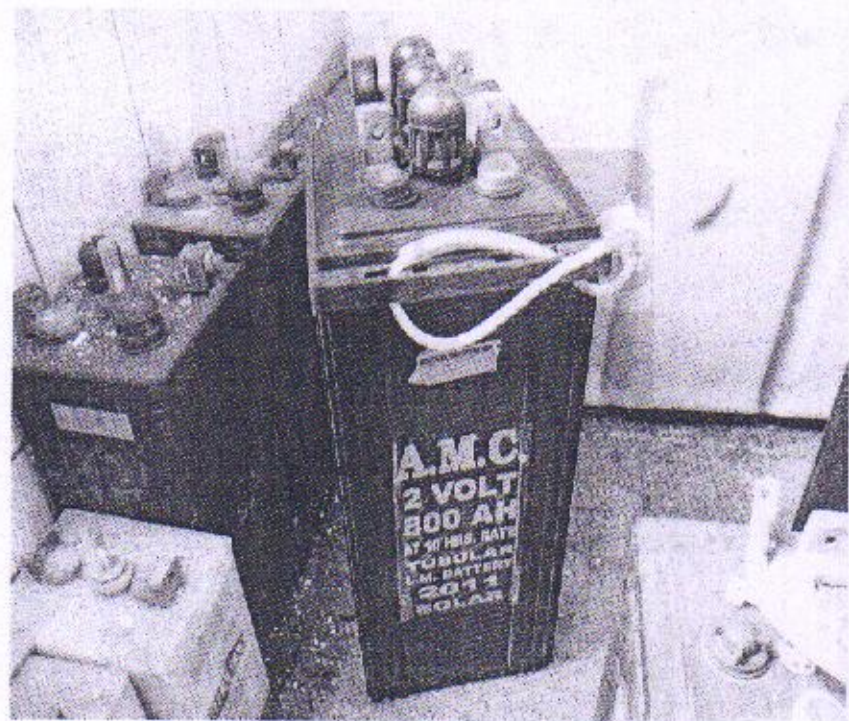
| SL. NO. | TEST OR ENVIRONMENT | CLAUSE NO. | QUANTITY | | SPECIFICATION LIMIT | TEST RESULT | REMARKS |
|---------|---|------------|----------|--------|--|-------------|---------|
| | | | TESTED | FAILED | | | |
| 1.1 | Test for Capacity after the first charge | 12.5 | 01 | 00 | Min : 680AH (85% of rated Capacity) | Complied | |
| 1.2 | Test for Capacity after the first charge or on subsequent charge discharge cycle. | 12.5 | 01 | 00 | Min : 800AH Max : 960AH | 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. Enggr.)

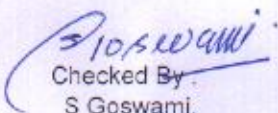
Checked By: 
S Goswami,
Scientist 'C'

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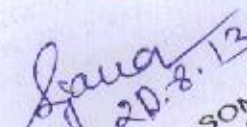
3.0 Equipment used

| EQPT_NO | NAME | MAKE | MODEL | CAL. VALID UPTO |
|---------|--------------------------|------------------|-----------------|-----------------|
| 1333 | AUTOMATIC BATTERY TESTER | BITRODE CORPORAT | LCNE-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)

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


 RELEASED BY **SONALI JANA**
 (signature & date) **20.8.13**
 Scientist-C
 Electronics Regional Test Laboratory (East)
 STQC Directorate, Dept. of Info. Technology
 Ministry of Comm & Info. Technology
 Government of India
 Kolkata-700 091