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|---|---|----------|
| <br>Scientific And industrial<br>Testing and Research Centre,<br>Coimbatore-641006 | Electrical Testing Laboratory   | Code No. |
|   | SERVICE REQUEST FORM  |          |
|   | WINDING WIRES FOR SUBMERSIBLE MOTORS<br>(as per IS -8783(part4/sec1)-1995 ) |          |

### Description of the Sample

|                             |                                      |                                |         |                            |  |
|-----------------------------|--------------------------------------|--------------------------------|---------|----------------------------|--|
| Name of the test sample     | WINDING WIRES FOR SUBMERSIBLE MOTORS |                                |         |                            |  |
| Make / Brand                |                                      | # Conductor Size / Overall Dia |         | Weight of the sample in kg |  |
| Type of Insulation Material | HR PVC                               | Color of Wire                  | natural | Length of the sample in m  |  |
| # Length of conductor in m  | min 50 (Approx)                      | Coil No                        |         | Identification No          |  |

### Test Requirements

| Sl. No.  | Name of the test  | Test Requit | Sl. No. | Name of the test  | Test Requit |
|--|---|-------------|---------|---|-------------|
| 1.   | Visual Inspection<br>Cl.No. 4.2,4.3                         |             | 2.      | Conductor Diameter Cl.No. IS 8783 Part 1, 5.3               |             |
| 3.   | Conductor Resistance Cl.No. IS 8783 Part 1, 6.0             |             | 4.      | Overall diameter Cl.No. 4.4                                 |             |
| 5.   | Conductor Annealing (Elongation) Cl.No. IS 8783 Part 1, 6.0 |             | 6.      | Thickness of insulation Cl.No. 4.1                          |             |
| 7.   | Before Ageing Cl.No. IS 8783 Part 2, 4.0                    |             | 8.      | High Voltage Test (Water immersion test) Cl.No. 4.6         |             |
| 9.   | Ageing in air oven Cl.No. IS 8783 Part 2, 4.0               |             | 10.     | Volume Resistivity<br>a) At 27°C Cl.No. IS 8783 Part 2, 4.0 |             |
| 11.  | Water Absorption Cl.No. IS 8783 Part 2, 4.0                 |             |         | Volume Resistivity<br>b) At 85°C Cl.No. IS 8783 Part 2, 4.0 |             |
| 12.  | Hot deformation Cl.No. IS 8783 Part 2, 4.0                  |             | 13.     | Shrinkage Cl.No. IS 8783 Part 2, 4.0                        |             |
| 14.  | Heat shock test Cl.No. IS 8783 Part 2, 4.0                  |             |         |   |             |
| *Y- Required ,NR – Not Required, ND – Not Described, Put <b>Y</b> or <b>NR</b> for test requirements, method of test <b>IS 10810</b> |   |             |         |   |             |

Note:

- 1) Kindly issue separate SRF Form for each sample
- 2) Marked with an # are Mandatory Fields

SLFEL066 / 01-01/ 01-20

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|   |                    |
|---|--------------------|
| Name and Address of the Customer in Test Report | Ref Doc. Details : |
| Name and Address of the Customer in Invoice     | Contact Person:    |
|   | Phone No.          |
| Sample Inward No.                               | Date               |

|                   |                   |
|-------------------|-------------------|
| For Si'Tarc       | Customer          |
| Date: Sign & Name | Date: Sign & Name |