**OPERATING GUIDELINES FOR CREEP STATION-1&2**

**BASIC DETAILS -**

1. Maximum capacity : 50kN servo Electra

2. Loading Configuration : Tensile, Creep,

3. Stock movement : +/-80mm

4. Sample type : Round threaded

5. Sample Dimension (Max) (Min)

 1) Round threaded

 a) Length 120mm 92mm

 b) Diameter 12mm 12mm

**NOTE-**NO flat sample test in creep machine

**SAMPLE PREPARATION & TESTING PROCEDURE –**

1. Prepare the sample as per ASTM standard
2. Mark the gauge length at round threaded portion sample
3. Mount the sample using suitable grips
4. Calibration the load cell & strain gauge as per the shunt value
5. Select the crosshead speed as per required strain rate
6. Select the temperature as per the required test conditions
7. Set the test speed rate & DAQ speed rate as per the test required
8. Test the sample up to 50kN to the load to fracture if required
9. Remove the failed specimen from the gripes after test is over.

**FOR COMPUTER DATA& CHART-**

1. Select the DAQ report test file open the raw data
2. Open the raw data in excel sheet & make arrange the chart and data
3. Excel file save in correct computer location

**TROUBLE SHOOTING-**

1. In case of any abnormal condition with machine **Press Red E Stop** button on front of machine
2. Do not touch the machine & furnace when test is running
3. When start the test set the load, strain limits,

 **TEST COUNDUT IN CREEP MACHINE-1 &2**

1. Tensile room temperature test
2. Tensile high temperature test up to 900c
3. Creep test up to 900c

