

B.N.M. Institute of Technology
An Autonomous Institution under VTU, Approved by AICTE

The Centre of excellence in High Voltage Testing

The Department of Electrical and Electronics Engineering, BNMIT with the grant-in-aid from AICTE under the MODROBS scheme has procured state-of-the-art equipment and established Centre of Excellence in High Voltage Testing. The equipment commissioned in the laboratory meets national & international standards and are traceable to National Accreditation Board for Testing and Calibration Laboratories certification. This multifaceted unique Centre of Excellence is now open for testing, consultancy related activities and research collaborations.



1. Inclined Plane Tracking and Erosion Tester

- **Voltage Range:** 0-6 kV HVAC
- **Compliance:** IEC 60587

2. Flash and Fire Point Meter

- **Temperature Range:** 49 °C – 400 °C
- **Compliance:** IS: 1448, ASTM D93, D3934, D3941, D3278, D3828, IP 304, 404, BS3900, 6664, ISO-1516,1523,2719, DIN51 758.

3. Kinematic Viscosity Measurement Meter

- **Viscosity Range:** 3 cSt – 35 cSt
- **Compliance:** ASTM D445; ASTM D446; ASTM D2270 - IP 226; BS 188; BS 2000 Part 71, BS 4459; ISO 2909

4. Magnetic Stirrer with Hot Plate & Digital Speed Indicator

- **Max. Speed:** 1200 RPM.
- **Capacity:** 1 litre

Unique Features of the laboratory:

- 100 kV HVAC and 140 kV HVDC Source
- DIgSILENT Power Factory Software
- Distribution class insulator assembly



For further details, Contact: Dr S Sudalai Shunmugam, In-Charge, Centre of Excellence for High Voltage Testing, BNMIT. Email: sudalaishunmugam@bnmit.in, Mob: +91 9886692042

Resources

The partners will endeavour to secure and fulfill their individual contributions at the start of the planning for the development of the Project works.

- a. MANOBHU TECHNOLOGY, BANGALORE agrees to provide the following resources in respect of the task.

INSULATION COORDINATION, EXTERNAL INSULATION DESIGN, HIGH VOLTAGE INSULATOR AND ITS DESIGN, LIGHTNING ARRESTERS AND ELECTRICAL EARTHING

- b. BNMIT, BANGALORE hereby agrees to provide the following material and expertise resources in respect of the task.

- Will depute students of their Institution for THEIR SKILL UPGRADATION
- Will assist in providing Expertise and Consultancy and related instruction materials whenever required by MANOBHU TECHNOLOGY, BANGALORE for the works at MANOBHU TECHNOLOGY, BANGALORE

Communication Strategy

Coordinated communications may be made with external organizations to elicit their support and to further the aims of the task if the need be with mutual consent.

SPOC

HOD, EEE will be the single point of contact on behalf of BNMIT, Bangalore.

Liability

No liability will arise or be assumed between the partners as a result of this Memorandum.

Dispute Resolution

Both the parties reserve the right to cancel/terminate the project on their discretion with a notice of thirty days.

Term

The arrangements made by the Partners by this Memorandum shall remain in place from 09-11-2019 to 09-11-2021. The term can be extended only by agreement of all of the Partners.

Assignment

Neither party may assign or transfer the responsibilities or agreement made herein to other parties.

Amendment

This Memorandum may be amended or supplemented in writing, in case of change in administering officer from both ends.

purpose of achieving aims and objectives relating to the task of Project work, Internship, of aspiring engineering students as Academia- Industry collaboration. This Agreement shall be signed on behalf of M/S.MANOBHU TECHNOLOGY, BANGALORE by, MANOBHU, BANGALORE, and on behalf of BNM INSTITUTE OF TECHNOLOGY (BNMIT), BANGALORE, by the Principal/ Director. This Agreement shall be effective as of the date first written above.

WHEREAS MANOBHU, BANGALORE and BNMIT, BANGALORE desire to enter into an agreement in which MANOBHU, BANGALORE and BNMIT, BANGALORE will work together to complete the task.

AND WHEREAS MANOBHU, BANGALORE and BNMIT, BANGALORE is desirous to enter into a Memorandum of Understanding between them, setting out the working arrangements so that each of the partners agrees to complete the task.

Purpose

The purpose of this Memorandum is to provide the framework for future binding contract regarding the PROJECT WORK& TRAINING at BNMIT, BANGALORE and INTERNSHIP for the students at MANOBHU, BANGALORE& FDP programme for staff of BNMIT, BANGALORE.

Obligations of the Partners

The Partners acknowledge that no contractual relationship is created between them by this Memorandum, but agree to work together in the true spirit of partnership to ensure that there is a united visible and responsive leadership of the task and to demonstrate commitment to the task by means of the following individual services.

Cooperation

The activities and services for the task shall include and limited to:

a. Services to be rendered by MANOBHU, BANGALORE include:

Helping project works of the students of BNMIT on Electrical Insulation and coordination, High voltage insulators, Insulator designs as per the schedule in MANOBHU, BANGALORE. Projects shall be carried out at BNMIT, BANGALORE.

b. Services to be rendered by BNMIT, BANGALORE include:

EXCHANGE OF KNOWLEDGE, EXPERTISE & CONSULTANCY to MANOBHU TECHNOLOGY PVT LTD, BANGALORE in the area related to Electrical Engineering, High voltage Engineering, Power systems as and when requested by MANOBHU TECHNOLOGY, BANGALORE, as per the availability.



