

## INSTRUMENTATION SECTION

Research Officer & Head	... U Po Htwe BSc(Mathematics)(YDE), ETEC(Electrical)
Research Officer	... Daw Aye Nwe Soe BSc(Q), MSc, MRes(Physics)(YU) ... Daw Yin Ei Kyaw BSc(Hons), MSc, MRes(Physics)(DU) Dip in Computer Arts(University of Culture) ... U Khine Win BSc(Zoology), DCS(YU)
Electrical & Mechanical Technician (2)	... U Htain Lin BA(History)(UDE) ... U Kyaw Moe Swe BA(History)(UDE) ... U Myint Zaw BA(Geography)(DU), AGTI(Electrical) ... U Phyto Minn Oo BA(Business Management)(DU) ... U Tin Ko Kyi BA(History)(UDE) ... Daw Yu Yu Maw BA(History)(UDE), Dip in English(YU), Dip in IT(Center of Human Resource Development)
Electrical & Mechanical Technician (3)	... U Thet Paing Soe BSc(Physics)(DU), AGTI(IT)
Electrical & Mechanical Technician (4)	... U Myo Min Aung Second Year (Myanmar)(DU) ... U Thet Myint Oo ... U Sint Than
Electrical & Mechanical Attendent	... Daw Tha Zin Oo BSc(Maths)(DU) ... U Aung Kyaw Phone First Year(Physics)(DU) ... U Aung Ko Hein BSc(Physics)(DU)

The responsibility of the Instrumentation Section is to technically support DMR in its research activities. It has four main labs such as, (1) Electronics, (2) Electrical, (3) Mechanical, and (4) Optical lab with specialized expertise in each respective field to provide effective and reliable service in installation, repair and maintenance of various types of laboratory equipment and utilities for the whole department.

### SERVICES PROVIDED

#### 1. RESEARCH CAPACITY STRENGTHENING

##### 1.1 ROUTINE SERVICES

A total of 466 work requests were received in the year 2015, and the services provided were classified as follows:

Sr. No.	Job Description	Work received	Assigned workshop/Lab	Completed jobs (Qty)	Remaining jobs (Qty)	Remarks
1.	Medical laboratory equipment	135	Electronics	135	Nil	
2.	Air-conditioners & refrigerators	139	Mechanical	139	Nil	
3.	Electrical wiring & installation	192	Electrical	192	Nil	
Total		466				

## 1.2 MAINTENANCE SCHEDULE

Equipment registry for all the laboratories in the DMR has been updated and the maintenance schedule has also been revised accordingly. Every first Friday of the month is the designated Equipment Day to perform user maintenance on all medical laboratory equipment in every research division to improve efficiency, to prolong the life of instruments and to acquire precise data and results.

## 1.3 IMPLEMENTATION OF SERVICE RECORD DATABASE

The service record database system is now in use and all the work requests and jobs done by the Instrumentation Section can be traced easily and systematically for effective work execution and management.

## 1.4 IMPLEMENTATION OF STOCK RECORD DATABASE

The stock record database system is designed to keep record as well as to monitor the appropriate use of issued items and to keep track of the remaining balance of those in order to ensure timely replenishment so that maintenance could be done without delay and on schedule.

## INSTRUMENTATION SECTION (POL)

Research Officer & Head	...	Daw Sandar Aung BE(Electronics)(Q)(TU, Mandalay)
Office Superintendent	...	Daw Tin Moe Thu BA(Myanmar)(UDE)
Electrical & Mechanical Technician (2)	...	U Tun Tun Lwin BA(English)(UDE), Dip. Tech (Electrical)(MIT)
	...	U Wai Aung Phone BA(Economics)(UDE)
	...	Daw War War Khaing BSc(Zoology)(Pathein University)
	...	Daw Thae Phyu Win BSc(Hons;), MSc(Physics) (Monywa University)
Electrical & Mechanical Technician (3)	...	Daw Kyi Kyi Mar San BSc(Chemistry)(Yadanarpon University), EGTI(Civil)(GTI, POL)
	...	Daw Myint Myint Kyu BA(History)(UDE), EGTI(Civil) (GTI, POL)
	...	U Hein Htet Aung BSc(Mathematics)(UDE), AGTI (Mechanical)(TU, Kyaukse)
Electrical & Mechanical Technician (4)	...	U Ye Thu Ya Dip. Agriculture(SAI)(Yezin)
Electrical & Mechanical Attendant	...	Daw Hay Mar BSc(Physics)(Meikhtila University)

The responsibility of the Instrumentation Section is to technically support DMR (Pyin Oo Lwin Branch) in its research activities. It has three main labs such as (1) Electronics, (2) Electrical, (3) Mechanical lab with specialized expertise in each respective field to provide effective and reliable service in installation, repair and maintenance of various types of laboratory equipment and utilities for the whole department. Other works are repair and new installation of software and hardware configuration of computer and Internet server service.

### SERVICES PROVIDED

#### 1. RESEARCH CAPACITY STRENGTHENING

##### 1.1. Routine Services

A total of (358) work requests were received in the year 2015, and the services provided were classified as follow:

Sr. No.	Job Description	Work Received	Assigned Workshop/lab	Completed Job (Qty)	Remaining Job (Qty)
1.	Electrical Wiring & Installation	264	Electrical	264	Nil
2.	Air-conditioners & Refrigerators	21	Mechanical	21	Nil
3.	Medical laboratory equipment	8	Electronic	8	Nil
4.	Piping & plumbing	10	-	10	Nil
5.	Computer, Internet & Micro-phone (Conference System)	55	Electronic	55	Nil
Total		358		358	

## 1.2. Maintenance Schedule

Equipment registry for all the laboratories in the DMR (Pyin Oo Lwin Branch) has been updated and the maintenance schedule has also been revised accordingly. Every first Friday of the month is the designated Equipment Day to perform user maintenance on all medical laboratory equipment in every research division to improve efficiency, to prolong the life of instruments and to acquire precise data and results.

## 1.3. Implementation of service record excel database system

The service record excel database system is now in use and all the work requests and jobs done by the Instrumentation Section can be traced easily and systematically for effective work execution and management.

## 1.4. Implementation of stock record excel database system

The stock record excel database system is designed to keep record as well as to monitor the appropriate use of issued items and to keep track of the remaining balance of those in order to ensure timely replenishment so that maintenance could be done without delay and on schedule.