

## INSTRUMENTATION SECTION

Research Scientist & Head	...	U Po Htwe BSc(Mathematics)(YDE), ETEC(Electrical)
Research Officer	...	Daw Aye Nwe Soe BSc (Q), MSc, MRes(Physics)(YU) Dip in Biomedical Engineering Technology (YTU)
	...	Daw Yin Ei Kyaw BSc (Hons;), MSc, Res(Physics)(DU) Dip in Computer Arts (University of Culture)
	...	U Khine Win BSc(Zoology), DCS(YU)
	...	U Htain Lin BA(History) (UDE)
	...	U Myint Zaw BA(Geography)(DU), AGTI(Electrical)
Electrical & Mechanical Technician (2)	...	U Kyaw Moe Swe BA(History)(UDE)
	...	U Phyo 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(Centre 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 (Myanmarsar) (DU)
	...	U Thet Myint Oo
	...	U Sint Than
Electrical & Mechanical Attendant	...	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 division is to technically support DMR in its research activities. It has three main labs such as, (1) Electronics, (2) Electrical and (3) Mechanical with specialized expertise in each respective field to provide effective and reliable service in installation, repair and maintenance of various types of laboratory equipment, Water, Piping system and Civil Works of the whole department, PA and Conference system in Auditoriums and utilities for the whole department.

## SERVICES PROVIDED

### 1. RESEARCH CAPACITY STRENGTHENING

#### 1.1 ROUTINE SERVICES

A total of (702) work requests and (187) emergency cases without work requests were received in the year 2016, and the services provided were classified as follow:

Sr. No	Job Description	Assigned Workshop/ Lab	Work Received (Work Requests)	Emergency Cases (Without Work Requests)	Completed Jobs (Qty)	Remaining Jobs (Qty)	Remark
1.	Electrical wiring & installation	Electrical	251	92	343	Nil	
2.	Airconditioners & refrigerators	Mechanical	151	35	186	Nil	
3.	Medical laboratory equipment	Electronics	87	8	95	Nil	
4.	Water, Piping & Civil Work	Mechanical	59	22	81	Nil	
5.	PA system (Conference system)	Electronics	154	30	184	Nil	
Total			702	187	889		

## 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 Division 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)
Staff Officer	...	Daw Tin Moe Thu BA (Myanmarsar) (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 Division is to technically support DMR (Pyin Oo Lwin Branch) in its research activities. It has three main sections such as (1) Electronics, (2) Electrical, (3) Mechanical in each respective field to provide effective and reliable service in installation, repair and maintenance of various types of laboratory equipment and utilized for the whole department. Other works are video conferencing, 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 (190) work requests were received in the year 2016, 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	51	Electrical	51	Nil
2	Air –conditioners, Voltage Regulator & Refrigerators and Motor	25	Mechanical	25	Nil
3	Medical laboratory equipment	9	Electronic	9	Nil
4	Computer, Internet, Telephone, Copier, Printer & Microphone (Conference System)	105	Electronic	105	Nil
Total		190	-	190	-

## 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 Division 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.