

ANNUAL REPORT 2022 - 2023



MAKUNDA CHRISTIAN LEPROSY & GENERAL HOSPITAL
BAZARICHERRA | KARIMGANJ | ASSAM

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FROM THE DESK OF THE UNIT MANAGEMENT COMMITTEE

30 YEARS OF REBUILDING... WORK IN PROGRESS...

Medical work at Makunda was restarted on 3rd March 1993 after it was closed for a period of 10 years. 3rd March 2023 marks the completion of three decades of service to the community around. We thank God for the pioneers Dr.Vijay and Dr.Ann who restarted the work and all the people who joined hands along with them over the years to bring transformation in and around the place. As they passed on the baton to the next generation may God enable each one of us to continue God's work in this place and to the community.

This year the main hospital saw a total of 124296 out-patients and 17038 in-patients with an average bed occupancy rate of 77 percent. The number of patients accessing the services of the hospital had significantly increased compared to the last year. Medicine, Critical care, Anesthesia, Pediatrics, NICU, Surgical and Orthopedic, Psychiatry and Palliative care departments continued to provide services for the patients. A total of 7258 major and minor surgeries were performed in this year. The Obstetric department continued to extend its services for high-risk patients and for referrals, conducting 6058 deliveries with 2145 LSCS and other Gynecological surgeries.

The Psychiatry department continued to grow with new initiatives to reach out to the communities through community-based treatment and Palliative care by collaborating with government PHCs and other NGO's.

Community Health department continued to grow with its community engagements through the ARC Project focusing on Maternal and Child Health. This year under the public private partnership with NHM Assam, two community ANC clinics were started in Manikbond H.W.C and Shephinjuri T.E hospital from the month of April 2022.

The services at branch hospital Ambassa continued to grow with up gradation and strengthening of Laboratory and Radiology services and opening of Inpatient services. This greatly helped to reach out to the communities in Tripura.

Nursing department continued to be the major support and back bone for the hospital through its smooth functioning and delivered high quality nursing care to the patient by constant improvement, innovation and in-service training. This year also nurses being part of several training programs and taking the lead in research and community outreach.

This year we restarted the AB PM-JAY (Ayushman Bharat) services at Makunda, which greatly benefited the patients accessing the services at Makunda. Around 1225 patients received treatment under this scheme.

The Nobi Surin Urang Memorial Award was instituted in 2018 in memory of Mrs. Nobi Urang, the award is given to the nurse who demonstrates good skills at bedside as well as shows kindness and compassion in caring for patients. Mrs. Jeredy Banmeher Halam of Neonatal Intensive Care Unit was awarded "The Nobi Surin Urang Memorial Award in 2022" on 12th May 2022 as part of Nurses' Day celebration.

Research activities continued with several publications addressing relevant issues of rural community. This year we engaged with NIN (National Institute of Nutrition) in studying the Thiamine problem at community level. We are in process of engaging with like-minded groups who can collaborate more in studying and addressing the relevant problems in community through research and engagement.

Biodiversity documentation continued its activities this year with new observations and publications. A new project was started in collaboration with Green-Hub regarding Biodiversity documentation in lesser-known low-altitude dipterocarp forests by setting up camera traps.

Agriculture and Fisheries department continues to grow with various new initiatives. The year 2022-23 saw growth in the area of fishery, piggery and rubber tapping. The department focuses on the intensification of fishery and piggery. This was also the year of early planning towards the livelihood initiatives in the local community.

Makunda High School continues to provide good quality education with low costs to the poor and marginalized students in the community with 1263 students from LKG to Higher Secondary with more than 55 Teaching and Non-teaching staff. This year School had a pass percentage of 98.5% in HLSC and 100% in Higher Secondary.

The year 2022-2023 had its own challenges but providing us with lots of opportunities to grow and serve the community through its various activities. In closing, I want to thank each staff who have contributed to the work over the past year for their commitment and hard work. May God help us in fulfilling His purposes for His Glory.

Dr. Nalli Chandan
UMC Chairman.

THE ORIGINS OF THE HOSPITAL AND ITS REACH

MAKUNDA CHRISTIAN LEPROSY AND GENERAL HOSPITAL SOCIETY

Makunda Christian Leprosy and General Hospital Society is a charitable independent society registered under the Registrar of Societies – Assam, Guwahati, Reg No 14 of 1969-70. The hospital is a member of the Emmanuel Hospital Association, a charitable association of 22 hospitals situated in North, North East, and Central India with a primary focus on the poor and the marginalized.

The communities we serve in the North East

STATE	DISTRICT	POPULATION	PERCENTAGE OF SC/ST POPLN (2011 Census)
ASSAM	KARIMGANJ	12,28,686	13.1% (1,60,957)
TRIPURA	NORTH TRIPURA	6,93,947	14.9% (1,03,398)
	UNAKUTI TRIPURA	2,98,574	44% (1,31,372)
	DHALAI TRIPURA	3,78,230	9% (34,040)
MIZORAM	MAMIT	86,364	95.1% (82,132)
TOTAL		26,85,801	19% (5,11,899)

Makunda Christian Leprosy and General Hospital (MCLGH) is located in a remote and predominantly tribal region of Karimganj District the Barak Valley of Assam. The only road connecting the state of Tripura (NH 44) to the rest of the country passes 4 kms from the hospital. Being strategically located at the junction of the three states of Assam, Tripura and Mizoram it has a wide catchment population including rural communities from neighboring districts of the other states. The hospital also has a branch hospital serving the communities in Ambassa, Dhalai District of Tripura.

The hospital is nestled in a tribal area comprising mostly Tripura Tribals (Chorei, Ranglong etc.) Meiteis, Bisnupriyas and Khasis as well as a large number of Muslim and Hindu Bengalis. Most of these groups belong to low socio economic status and with low literacy. The tea garden worker population who hail from Bihar, Jharkhand, Orissa, and Andhra Pradesh form another vulnerable community living in abject poverty.

A major part of the population cultivates rice, betel nuts, fruits, rear chicken and cattle and have fishery ponds as their occupation. Many young people work as migrant workers either in South India or in neighboring states of Mizoram and Nagaland

THE EARLY YEARS



The origin of the Makunda Christian Leprosy & General Hospital can be traced back to the year 1935 when Dr. Crozier started medical work at Alipur, 19 Km east of Silchar. As the jungle was cleared for the general hospital building two leprosy patients came for treatment. Dr. Crozier did not have the heart to turn them away and began to treat them. Thus a leprosy colony was started with two leprosy patients. By 1948 there were already 50 leprosy patients besides general and TB patients.

After Dr. Crozier retired, the Governor of Assam paid a visit to Alipur Hospital and saw the leprosy colony. He was impressed with what he saw and asked what he could do to help. The need for a large area of land for the care of the leprosy patients was mentioned and the Government gave permission to the American Baptist Mid Mission to buy a large tract of land measuring approximately 1000 acres from the widow of a tea estate owner. This is the land presently in use by the Makunda Christian Leprosy & General Hospital. The purchase of this land was done (for the American Baptist Mid-Mission) by Rev. J.S.Garlow in 1950 and the leprosy work was shifted to the present location at Makunda. Medical work was started in the year 1951.

In 1958, Dr. R.G. Burrows was appointed as medical superintendent and at one time over 250 leprosy patients were accommodated in the campus. The campus also supported the entire colony with rice, sugar, oil, fish, milk, wood, silk, fruits and farm animals all being cultivated/raised on it. The hospital also had several drug distributions points for leprosy patients. After the arrival of a full-time doctor there was a lot of pressure to treat general patients as there were no proper facilities for a large area all around. A general hospital was then constructed with operation theatre, x-ray, laboratory and wards for inpatients care. High quality medical care was made available to the population of the area and the institution has also trained many nurses and other health workers.

In the 1980's, the entire expatriate staff were asked to leave by the Government of India and the management of the institution passed on to the Baptist Mid-Missions Trustees India (BMMTI). They tried by themselves as well as through other agencies to run the institution without success.

In 1992, Dr.Vinod Shah and Mr.Lalchuangliana from Emmanuel Hospital Association, a network of mission hospitals with a focus on the geographical north, north eastern and central parts of the country were invited by BMMTI to see the hospital and consider taking it over. The hospital was formally taken over by Emmanuel Hospital Association in December 1992.

STRATEGIC PHASES OF MISSION

The leadership under the guidance of Dr Vijay Anand Ismavel and his team, in far sight, framed a 30 year strategic plan as well as the mission statement for the hospital, which has served as a guide to keep the vision of this serving community focused and alive.

Phase – I (1993-2002): Stability

- Financial stability: Settlement of all pending payments by rescheduling payment of these dues in so that this is done in a time bound and measurable manner without hampering the development of necessary infrastructure.
- Staff welfare and loyalty: Settlement of all pending staff disputes and development of a mechanism to look after their needs without compromising on the hospital's principles.
- Equipment acquisition and repair: Installation of new equipment and repair of existing ones so that the present level of work can be sustained without restraint and no patient is turned away for want of basic facilities
- Establishment of strong relationships with donors and well-wishers: To create a mechanism of active awareness creation about the work and vision of the institution so that well-wishers could support the institution through their prayers, advice, visits and donations. Good e-presence has been established in the past few years.
- Start new projects where most of the requirements are already available and where the hospital is ideally situated to have a significant impact without straining its resources and without undue risk.

Phase – II (2002-2012) Reaching out to the community

- Start financial schemes so that poor patients can get treatment: A barter scheme was started for poor patients in the early years by which poor patients could pay in kind Eg. Instead of in cash. Patients allowed to pay in small installments. Poor identification protocols were developed to enable the poor to get good quality medical care with what they can afford and not sell vital assets to finance their treatment.
- The hospital registered with the government under the Public Private Partnership of the National Rural Health Mission to expand the impact on poor communities
- Start a hospital sustained community health programme that will also allow the hospital to fine-tune its policies to enable the community to maximally access the services provided by the hospital; To be started, initially as part of the community nursing programme, which is a part of the new ANM nursing course.
- Partnership with Govt projects: RNTCP/NLEP/AFP and measles surveillance/ also referred to the regional centres under the AFP Programme and ICTC (Integrated Counselling and Testing Centre) under the ASACS (Assam State AIDS Control Society).
- Start new services that are needed by the community (such as dental services) for which the hospital will need to be stable -- to support in the initial stages. Dental department was started in January 2003. Physiotherapy was started in 2014 and Optometry in 2015.
- Liaise with the government or other agencies to provide special services to two needy areas where health infrastructure is poor (Tripura and Mizoram). The new dispensary at Kamalacherra, Ambassa, Dhalai District, Tripura started functioning as part of this initiative.
- Start an English medium school with hostel, increasing the classes by one every year. This was started in February 2004.

- Restart an ANM nursing course to train nurse missionaries. It was started in January 2006 with 19 students.

Phase-III (2013-2023): “Reaching out to the North-East and the developing world”.

A. Develop Makunda Christian Leprosy and General Hospital into a high-quality health care facility well equipped to provide secondary and tertiary care health services at affordable costs to the people of North East India.

- Establish competent departments in the main hospital providing care in basic clinical specialties with an active focus on preventive, curative and palliative care therapies customized to the patient population profile at Makunda, with an emphasis on the poor and the marginalized.
- Establish a department of public health which will:
 - Initiate, develop and strengthen primary preventive strategies in health.
 - Identify and address specific health issues in target communities within the geographic reach of the main hospital through sustainable projects.
 - Partner with the Government / Non-Governmental Organizations committed to improving health and in addressing social determinants of health.
- Develop tertiary care specialty/s which will address a large unmet health need.
- Establish high quality relevant diagnostic services which will support and strengthen the clinical work.
- Establish a department of research that will initiate and support research activities that will add to the scientific body of literature addressing relevant health and health related issues.
- Establish a department for Continuous Quality Assurance and Improvement (CQAI) that will develop, implement and revise a customized quality assurance program for all hospital services.
- Develop, modify, review and systematically document strategies (business model and health care delivery models) not only to ensure that the hospital maintains its pro poor focus and is self-sustainable but also to offer the “Makunda model” as a financially viable and impact creating model of health facility in the developing world.

B. Develop the branch hospital at Ambassa into a high quality health care facility well equipped to provide secondary level services at an affordable cost to the people of Tripura.

C. Develop the main hospital into a training center for members of the health team who are committed to working in resource poor settings in India and rest of the developing world.

- Identify and partner with organizations / institutions who are committed to improving health care and closing the gap in resource poor settings in India and the developing world.
- Develop customized residential training programs for members of the health team committed to working in resource poor settings.
- Upgrade nursing educational services from ANM (Auxillary Nurse and Midwifery) to BSc College of Nursing.
- Establish a community college to provide training for health assistants who will support health teams working in resource poor areas, within a hospital setting /community or at homes.
- To provide opportunities to marginalised communities for vocational training/skill development by expanding the scope of community colleges.

- D. Upgrade Higher Secondary School
- E. To study, document and publish scientific observations on biodiversity, wildlife conservation and community involvement in Makunda and surrounding areas.
- F. To establish a retreat center which can provide a platform for spiritual nurture and refreshing for children, youth and leaders committed to mission.
- G. To resolve all court cases and land related issues with the Government

Phase IV (2024-2028)

As we move forward in to the next phase of strategic planning as a society we are planning to form a Core Group of like-minded people to think through the further direction along with the ongoing activities, mainly focusing in the areas of improving Quality, Team Building, Community Engagement and Research.

CHRONOLOGY OF MAKUNDA CHRISTIAN LEPROSY AND GENERAL HOSPITAL, ASSAM

1950: The purchase of this land was done (for the American Baptist Mid-Mission) by Rev. J.S. Garlow. It started as Makunda Leprosy Colony in 1950 on 1000 acres of land.

1951: The leprosy work was shifted to the present location at Makunda Medical work was started in the year 1951

1958: Dr. R.G. Burrows was appointed as medical superintendent and at one time over 250 leprosy patients were accommodated in the campus.

1980's: The entire expatriate staff were asked to leave by the Government of India and the management of the institution passed on to the Baptist Mid-Missions Trustees India (BMMTI).

1992: Dr. Vinod Shah and Mr. Lalchuangliana from Emmanuel Hospital Association, a network of mission hospitals with a focus on the geographical north, north eastern and central parts of the country were invited by BMMTI to see the hospital and consider taking it over. The hospital was formally taken over by Emmanuel Hospital Association in December 1992.

1993: The hospital work was re-started under the leadership of a committed doctor couple, Dr. Vijay Anand Ismavel and Dr. Ann Miriam on 3rd March 1993

2003: Dental department was started in January 2003

2004: Started Makunda Christian High school in February 2004

2005: Started branch hospital at Kamalacherra, Ambassa, Dhalai District, Tripura

2006: Restarted Auxiliary Nurse Midwife (ANM) two-years course in January 2006

2008: Private-Public Partnership with Govt. of Assam

2014: Physiotherapy was started on 2nd May 2014

A MoU signed between the Karimganj District Health Officials, World Vision and Makunda Hospital for addressing the problem of under 5 malnutrition was initiated during the year.

The Royal Dutch Tropical Institute (KIT), Amsterdam to train doctors who will work in the most resource-poor settings in the developing world.

2015: The Makunda Christian Community College for Diploma in Health Assistants was started in the year 2015 in collaboration with Indian Centre for Research and Community Education (ICRDCE), Chennai, a Non-Governmental Organization.

Blood storage centre was started in 2015

Best Community Service on 15th August 2015

Optometry on 1st September 2015

Installed an Airox AS-G oxygen generator

The biodiversity department was started in 2015.

2016: Makunda Logo & Nature club logo by Mr. Sukumaran

2016: Medical record department in September 2016

2016: Neuro-Electro-physiotherapy: 5th November 2016

2018: Accredited to NABH entry level certified Secondary Level Hospital on 11th January 2018

The dietary department received the FSSAI certification on 8th June 2018 with a validity for 5 years

March 2018: MOU with DVN, Netherlands

2019: The “Aloka Vision Programme”, initiated and supported by ZEISS, an internationally leading technological enterprise, aims to change the landscape of vision care in rural areas through entrepreneurial network, technology, innovation, quality spectacles and raising awareness for the benefits of clear vision.

2020: Community department restarted

2020: The partnership with Ekam Foundation Mumbai was initiated in April 2020

2020: MOU with Life for A Child

2021: Awarded as best institute celebrating Breastfeeding week at the National level and was honored at the National Neocon in Bangalore.

Started CT imaging services with our new GE 32-slice CT scanner Machine.

Sachin Tendulkar foundation, Genesis foundation, Rotary International

December 2021: Partnership with St. John's National Academy of Health Sciences, Bangalore

2022: Palliative care

February 2022: Makunda has received the Level-IIB Accreditation of the National Neonatology Forum for its neonatal care services.

April 2022: The story of the discovery of a new species of Hepialid moth (*Endoclita makundae*) at Makunda has been published by a digital news agency covering northeast India:

December 2022: North Eastern Council - Government of India for funding the project

"Upgradation of Services of Makunda Christian Leprosy and General Hospital, Bazaricherra, Karimganj, Assam This completed #NEC project was sanctioned with an estimated cost of Rs. 460.52 lakh.

March 2023: Completed 30 years of service after Incorporation with EHA.



Makunda Christian Leprosy & General Hospital aims to provide high quality medical care at costs that are affordable to the people of North-East India through development of appropriate health care models.

The hospital also aims to provide comprehensive services to all, irrespective of caste, religion, race or sex, with the assets at its disposal and through collaboration with other like-minded agencies to improve the social, economic and spiritual lives of our target people.

The hospital further aims to create and sustain a pool of trained manpower and inculcate in them the values of Christian service as exemplified by the life of our Lord Jesus Christ.

SOCIETY ACTIVITIES



SCOPE OF SERVICES

PEDIATRIC SURGERY	
GENERAL SURGERY	Including laparoscopic surgery
ANESTHESIOLOGY	
OBSTETRICS AND GYNECOLOGY	Including laparoscopic surgery
PAEDIATRICS	Neonatal Intensive Care Unit
INTERNAL MEDICINE	Intensive Care Unit
PSYCHIATRY	
ORTHOPAEDICS	
DENTAL SERVICES	
COMMUNITY HEALTH DEPARTMENT	Community based Psychiatry, Palliative Care, Maternal and Child Health
PHYSIOTHERAPY AND REHABILITATION	
RADIOLOGY	Digital Xray, Ultrasound, IVP, Barium studies, Endoscopy, C Arm, CT scan
NEUROPHYSIOLOGY	NCV, EEG
LABORATORY SERVICES	24 hrs service, Clinical Biochemistry, Clinical Pathology, Microbiology
BLOOD STORAGE CENTER	Affiliated to Karimganj Civil Hospital Blood Bank
PHARMACY	24 hours services
DIETARY DEPARTMENT	FSSAI certified
OPTOMETRY	

STATISTICS 2022-2023

PARTICULARS	2020-21	2021-22	2022-23
ADMISSIONS			
Admission through Outpatients	13021	13496	15126
Admission through Emergency	0	0	1912
TOTAL ADMISSIONS	13021	13496	17038
OUT PATIENT SERVICES			
New Patients	44840	53612	52595
Repeat Patients	45940	60373	67448
Emergency Patients	159	5039	4253
Total Out Patients	90939	119024	124296
Average Out Patients per day	291	381	398
SURGICAL SERVICES			
General Major	937	1409	914
General Minor	3103	3697	6344
Total General Surgeries	4040	5106	7258
OBGY SURGERIES			
OBGY Major	2736	2030	2066
OBGY Minor	150	63	79
Total OBGY Surgeries	2886	2093	2145
ORTHO SURGERIES			
Ortho Major	113	131	81

Ortho Minor	654	693	834
Total ORTHO Surgeries	767	824	915
Other Minor	0	0	0
Total Other Surgeries	0	0	0
TOTAL SURGERIES	7693	8023	10318
MATERNAL SERVICES			
Normal	3448	2834	3730
LSCS	2075	1450	1983
Breech	42	24	41
Vacuum	189	163	267
Forceps	275	39	37
TOTAL DELIVERIES	6029	4510	6058
LABORATORY			
Clinical Pathology	45243	55654	70141
Clinical Biochemistry	50036	64622	82665
Clinical Microbiology	4188	4141	7364
Serology	33665	47770	57720
Outsourced tests		10155	16247
Crossmatching tests (Blood Bank /Blood Storage center)	974	797	1258
Total Lab Tests	134106	183139	235395
RADIOLOGY			
X-ray	13638	18634	21502
ECG	3869	6866	8033

Ultrasound	14202	11088	11074
CT Scan	0	390	2642
ENDOSCOPY	550	604	347
OUTREACH			
Total camps conducted (Medical and Screening)	9	21	74
Total villages covered	21	157	142
Total patients treated through outreach services	81	574	6903

CLINICAL AND DIAGNOSTIC SERVICES

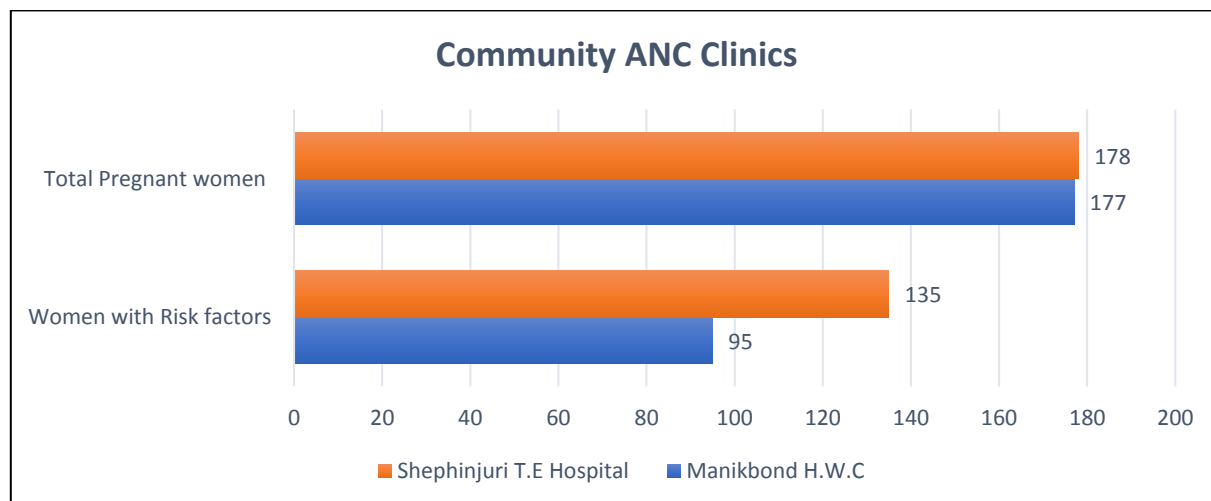
A. OPD and IPD services:

The hospital saw significant increase in Outpatient and Inpatient numbers compared to last year. We are in the process of building new wards in order to reallocate the Inpatients into new spacious building.

YEAR	2020-21	2021-22	2022-23
Admission through Outpatients	13021	13496	15126
Admission through Emergency/Casualty	0	0	1912
TOTAL ADMISSIONS	13021	13496	17038
OUT PATIENT SERVICES			
New Patients	44840	53612	52595
Repeat Patients	45940	60373	67448
Emergency Patients	159	5039	4253
Total Out Patients	90939	119024	124296
Average Out Patients per day	291	381	398

B. OBSTETRIC & GYNECOLOGY DEPARTMENT

The hospital partners with the National Health Mission, Assam and is a referral center for high risk obstetric cases in Karimganj, Assam as well as neighboring districts of Tripura. This year there is significant increase in the number of deliveries compared to last year. We also want to thank CMC Vellore and other well-wishers who helped us with the OBG work during last year. This year we also started community ANC clinics in two sub centers in Manikbond H.W.C and Shephinjuri T.E hospital from the month of April 2022.



MATERNAL SERVICES			
Normal	3448	2834	3730
LSCS	2075	1450	1983
Breech	42	24	41
Vacuum	189	163	267
Forceps	275	39	37
TOTAL DELIVERIES	6029	4510	6058

C. DEPARTMENT OF SURGERY AND ANAESTHESIOLOGY

The scope of the surgical services had been expanded with various procedures like: Anatomic Nephrolithotomy, Laparoscopic feeding jejunostomy, Mesh rectopexy, Grade 4 perineal tear repair- levatoplasty with sphincteroplasty, Urethroplasty. Ortho surgeries accounted for 10% of the surgeries performed in the last year which included complicated trauma, tumor resection, nerve and vascular repairs and arthroplasty. Major surgeries accounted for 49% of all surgeries performed in all the departments.

SURGICAL SERVICES	2020-21	2021-22	2022-23
General Major	937	1409	914
General Minor	3103	3697	6344
Total General Surgeries	4040	5106	7258
OBGY SURGERIES			
OBGY Major	2736	2030	2066
OBGY Minor	150	63	79
Total OBGY Surgeries	2886	2093	2145
ORTHO SURGERIES			
Ortho Major	113	131	81
Ortho Minor	654	693	834
Total ORTHO Surgeries	767	824	915
Other Minor	0	0	0
Total Other Surgeries	0	0	0
TOTAL SURGERIES	7693	8023	10318

D. PEDIATRIC DEPARTMENT

By the grace of our Lord Jesus Christ, Makunda Christian Hospital has been catering to the needs of children in our community and in neighboring states.

We have been providing high quality care in terms of OPD, Ward care, ICU care and Neonatal care. MCLGH's NICU is NNF accredited busy setup with almost 100 % occupancy rate and more, catering to the needs of extremely sick babies needing ventilatory support, therapeutic hypothermia in case of HIE, surfactant therapy in case of extreme preterm babies with RDS, Exchange transfusion with IVIG infusion as needed for babies with Rh incompatibility. Screening is being done for congenital hypothyroidism, Retinopathy of Prematurity and hearing screening. Regular reviews are conducted to keep the quality of NICU as high as possible so as to render the best care to the neonates. Mothers are educated on safe practices in caring for preterm babies. MCLGH is BFHI accredited and in keeping with this, mothers and baby are roomed in for Kangaroo Mother Care (KMC) and other Baby Friendly Hospital Practices are done. The neonatal graduates are being followed up in OPD bases for complications and with physiotherapy department the children with evolving or established cerebral palsy are being taken care.

The ICU caters to a wide spectrum of diseases. The very sick ones being with encephalitis, GBS, Septic shock, Pneumonia, Congenital heart Diseases, suspected wet beriberi and others. For children with prolonged ICU stay, Psychiatry department pitches in for counselling.

OPD services are rendered on a daily basis. Birth vaccines are being given for the babies and subsequent ones are taken in nearby subcentre.

Retinopathy of Prematurity (ROP) screening is a complication which can cause blindness among preterm neonates. ROP screening has been a felt need in Makunda, as we manage a large number of premature babies.

ACTIVITIES AND COLLABORATION

1. **Breast Feeding Week Celebration:** It was successfully conducted during the first week of August 2022 with various programs including slogans, poster competition, Essay writing, Team activities on educating mothers, Quiz for doctors and nurses. Prizes were distributed for all the activities. Makunda was selected as winners in a nationwide selection by BPNI.
2. **Training:** Junior doctors are being trained on a regular basis. Classes being taken in bed side and on Paediatric Advanced Life Support and on critical illness. Classes are taken for nurses on various topics.
3. **Collaborations:** MCLGH has been in Collaboration with several organization to cater to the needs of the downtrodden community. We are grateful for the same. Some of the collaboration include Sachin Ramesh Tendulkar Foundation, Ekam Foundation. Children requiring Surgery for congenital heart disease are being referred to Amritha Institute Kerala where surgeries are done on a charity basis. ROP interpretation is done by Sankra Nethralaya Guwahati and if needed children are being referred for further treatment. Life For A Child has partnered with Makunda for treating type I diabetes children of our community.

SCOPE FOR THE FUTURE

1. Continuous EEG monitoring for Therapeutic hypothermia and for refractory status epilepticus.
2. Routine vaccination to be setup in the future.

STORY OF A 9-YEAR-OLD GIRL



This is the story of a 9-year-old girl who was treated for encephalitis in 2020. She again presented with similar presentation in 2022. She was ventilated for couple of weeks and was treated again for encephalitis. We were able to diagnose her as ADEM and she is currently doing well. We thank God for her and countless other healing that has come to pass in resource limited setting.

	2020-21	2021-22	2022-23
Total no of NICU admissions	1113	972	1113
Inborn admissions	764(69%)	643(66%)	764(69%)
Outborn admissions	351	322	349
Total number of live births	5924	5120	5943
NICU admission rate	69%	66%	69%

E. MEDICINE AND CRITICAL CARE DEPARTMENT

The Medicine department was able to expand its services, by God's grace, over the last one year. We expanded our intensive care services following the opening of the new 13 bedded fully equipped ICU and able to provide high quality critical care services to all admitted adults including Obstetrics and Surgery. Rheumatological services were enhanced with procurement of low-cost immunosuppressive agents, expansion of inhouse lab services including testing for complements, HLA B27.



In addition to this, collaboration with outside laboratories for entire autoimmune panel and a registry of patients for appropriate follow-up was started. A new EMG-NCV machine was procured to restart the much-needed diagnostic testing. TB care received a major boost with acquisition of TruNAAT testing and 2 new ICU isolation beds with facilities for safe ventilation and intensive care.

Future plans include starting an NCD nurse-based clinic, initiation of transvenous pacing and peritoneal dialysis for acute kidney injuries.

F. DEPARTMENT OF PSYCHIATRY AND PALLIATIVE CARE

Our mental health work continued with outpatient and inpatient work at the hospital and with monthly outreach clinics in three places in our development block in Assam (Two tea garden areas in association with District Mental Health Program (DMHP) and one tribal area in association with Seva Kendra, an NGO) and another one in our branch hospital in Ambassa, Tripura. We praise God that we were able to witness God's healing hand on many people with mental illnesses. In this work, Dr.Starlin accompanied by our mental health nurse, Ms Diana Chorei.



We especially want to thank God for helping us to start Hospital based and Home based Palliative care in a full-fledged manner this year. We now have a dedicated social worker who organizes palliative care work, Ms Banrilang Dhar. While Ms Sasomchun Halam, our community health nurse, Mr Roben Singha, our chaplain and Dr.Starlin acts as palliative care physician work part-time. We regularly register people with cancers and organ failure conditions in palliative care from various departments of the hospital and have started twice weekly home visits for people who hail from our development block.

	Psychiatry	Palliative Care
Number of OP patients	2299	135
Number of IP admissions/ referrals	321	173
Number of patients seen in outreach clinics	405	9
Number of home visits	42	132
Number of villages visited	15	17
Number of patients to whom palliative care aids were given	-	4
Number of awareness meetings conducted	2	2

TRAINING AND CAPACITY BUILDING

Our palliative care team members, Ms Banrilang Dhar and Mr Roben Singha have completed, the Foundation Course in Palliative Care – Psychosocial Interventions (Basics) by Pallium India through online mode, from August till October 2022. They both have also completed the Volunteers Training in Palliative Care, a 16-hour WHO curriculum program in September 2022.

Ms Diana Chorei had an opportunity to intern for one month with Association for Christian Thoughtfulness in Mumbai, an NGO which among many other things, works with people who have undergone sexual trauma in October 2022. Ms Sasomchun Halam and Dr.Starlin are presently undergoing the National Fellowship in Palliative Care Nursing and Palliative Medicine respectively.

We were able to train one IGNOU Masters in psychology student for one month in January 2023.

With a plan to start childhood rehabilitation work in the future, Mr Pranjal Christopher and Mrs Nitika Sindhwali, our rehabilitation therapists have attended One Day workshop on Intellectual and Developmental Disabilities (IDD) in CIHSR, Dimapur on 14th February 2023.

Like every year, we participated in annual DMHP trainings in Karimganj Civil Hospital for NGOs, school and college teachers in the district in March 2023. We also conducted one day workshop on deaddiction counseling for the staff and clients of Calvary Healing Center, a deaddiction and rehabilitation center in Behliangchhip, North Tripura on 31st March 2023.

G. DEPARTMENT OF PHYSIOTHERAPY AND REHABILITATION

The department of physiotherapy and rehabilitation provide service to both In-patient and outpatient, consisting of two physiotherapists. The services commonly provided are post-orthopedic surgeries, post surgical case, NICU pediatric early intervention, developmental delay like cerebral palsy, Autism, hypoxic ischemic encephalopathy, Intellectual disability, downs syndrome etc.



We have participated in providing assessment and physiotherapy during a research study on stroke for 6 months till august 2022. It is called 'Establishing organized stroke care in low- and middle-income countries: from training of non-specialist to implementation.

Physiotherapist, Mr. Lallien Halam have participated in a one-day workshop in 'manual therapy on musculoskeletal system' that was held in Guwahati on 19th February 2023. Also Physiotherapist, Mrs. Nitika have participated in a one-day workshop on intellectual and developmental disabilities (IDD) for children that was held in CIHSR, Dimapur on 14th February 2023. The department also takes steps to contribute in providing service to palliative patients in the community through community visits in the society.

Service	2020-21	2021-22	2022-23
OP (Adult)	1369	1758	2605
IP (Adult)	1217	410	596
OP/ IP (Paediatric)	0	0	346
Neonates	0	0	68
Total	2586	2168	3615

TRANSFORMATIONAL STORY:

A person name Mr. Pronoy Dey, age 42 had come to our department for rehabilitation. He had a road traffic accident in the past due to which he had a T12 fracture and was spastic paraplegic. He was bed ridden for the last one year and he was not able to walk, sit or void independently. He had the faith on our service and was very cooperative during his treatment. After 6 months he gradually started to regain his functional movements and strength. After a lapse of one year, now he is once again able to walk independently. He regained his strength and normal voiding functions. Let all glory be to God.



Before



After

DIAGNOSTIC SERVICES

I. LABORATORY AND BLOOD STORAGE CENTER

The Lab department consist of Ms. Sukmon Syad as Lab – In- charge and eleven other Lab staffs. The scope of services provided by the laboratory include clinical biochemistry, hematology, microbiology and serology. This year saw a significant increase in number of tests performed.



LABORATORY	2020-21	2021-22	2022-23
Clinical Pathology	45243	55654	70141
Clinical Biochemistry	50036	64622	82665
Clinical Microbiology	4188	4141	7364
Serology	33665	47770	57720
Outsourced tests		10155	16247
Crossmatching tests (Blood Bank /Blood Storage center)	974	797	1258
Blood Borne Virus screening (Blood Bank /Blood Storage center)	0	0	0
Total Lab Tests	134106	183139	235395

The laboratory is part of the EQAS run by the department of Clinical Biochemistry and the Clinical Pathology and Transfusion Medicine Department of Christian Medical College Vellore. Future plans include in expanding the lab and also ensuring quality using NABL as an external assessment tool

	2020-21	2021-22	2022-23
Blood storage center			
Total no of blood units issued	883	706	1029
No of patients transfused in Assam	568	450	588
No of patients transfused in Tripura	315	241	432

The Blood storage center affiliated to the mother blood bank in the District Hospital in Karimganj has been a crucial support to the clinical services of the hospital. We are also allowed to receive blood from the Dharmanagar blood bank in Tripura, which has helped the large number of patients who hail from Tripura. We also conduct regular blood donation camps along with Karimganj Blood bank. A total of three blood donation camps were organized and 276 voluntary donations were made.

With increasing number of patients requiring emergency blood transfusion and Makunda becoming a referral center for high-risk obstetric patients, upgrading the blood storage center to a blood bank would be a great boon. The bottle neck for this upgradation being the lack of infrastructure (1000 sq feet building) and a pathologist / doctor trained for a year in a blood bank.

2. RADIOLOGY DEPARTMENT

The department of radio diagnosis consist of six radiographers and one nursing assistants for to help with smooth flow of patients in the department. The scope of service offered include digital X rays including barium studies, IVP, ECG. Ultrasonography, Echocardiograms, upper gastro intestinal endoscopies and CT scan.



LABORATORY	2020-21	2021-22	2022-23
X-ray	13638	18634	21502
ECG	3869	6866	8033
Ultrasound	14202	11088	
CT Scan	0	390	2642
ENDOSCOPY	550	604	347

3. NEUROPHYSIOLOGY STUDIES

Particulars	2020-21	2021-22	2022-23
Total no of new patients who underwent nerve conduction studies	567	118	317
NCV study findings			
Normal	110	36	38
Diabetes	43	28	4
Carpal Tunnel syndrome	22	0	13
Suspected thiamine deficiency induced peripheral neuropathy	213	18	34
EEG	157	74	199
Abnormal EEG	22	13	59

4. OPTOMETRY

The department of radio diagnosis consist of an optometrist. The scope of services offered include refraction, fundus examination, ROP screening and Spectacle dispensing. The need for a consultant ophthalmologist has been a felt need for several years.

Particulars	2020-21	2021-22	2022-23
Total no of refractions	448	1089	2126
Patients referred for glasses	80	390	641
Patients with cataract identified	26	255	500
ROP Screening			63

NURSING DEPARTMENT AND SCHOOL OF NURSING

Introduction:

The nursing services form the backbone of the health team. Nurses play a pivotal role in rendering quality and holistic care for patients and their families in the hospital as well as community settings. Makunda Christian Leprosy & General Hospital aims to improve the quality of care while providing services at affordable care and in the spirit of Jesus Christ. The Hospital also aims to encourage nurses to develop personally and professionally. We seek God's grace to help and sustain our efforts.



Present Nursing Strength:

As on March 31st 2023, the nursing team comprises of 145 health professionals - 4 M.Sc. Nurses, 31 B.Sc. Nurses, 41 GNM, 6 ANM/GNM with RCH/Anaesthesia training, 71 ANM and 41 Health Assistants. The M.Sc. Nurses co-ordinate the overall services of the respective clinical areas (Medical-surgical/ paediatric/ obstetric/ community health) while the ward in-charges organize and take responsibility for the day to day functioning of the clinical areas. All new nursing staff undergo an orientation to their clinical areas after which they are given responsibilities to manage the ward independently. The Community college graduates with a diploma in Health Assistants engage in basic nursing work in the wards (bed making/ basic nursing care/ health education) and thereby supplement and strengthen the quality of care provided.

Regular Programmes and Training:

The Nursing team conducts regular inservice classes department wise in their commitment to continuing nursing education. Key Performance Indicators (KPIs) are monitored department wise and presented during meetings on a regular basis.

Nurses from Maternal and Child Health, Psychiatry & Palliative care Department participate in the antenatal and palliative care visits regularly. Antenatal clinics are conducted in Kukhital and Manikbond subcentres once a month and Psychiatry clinics once a week in partnership with the PPP with government as part of NHM programmes. Palliative care team conducts home visits on every Friday.

Induction programmes are conducted for all new staff by the respective nursing department incharges. CPR training was conducted for all the staff.

Students from Baptist Christian Hospital, Tezpur and CIHSR, Dimapur, Nagaland were posted for their Obstetrics and Gynaecology postings during the year 2022-23.

Makunda Christian Community College :

Makunda had initiated an affiliation with the Indian Centre for Research and Development of Community Education (ICRDCE), an NGO based in Chennai in 2015 to start a “Community College”. The Community College for General Duty Assistants (GDA), commonly known as ‘Health Assistants’ was started in 2015 and since then 4 batches of 56 students have been trained.

Currently 39 of them are working as Health Assistants in the hospital and 5 have completed ANM training and 3 are currently pursuing GNM. This course has helped to provide education and training to the girls in the local community and has also improved the quality of services and has provided additional manpower for the hospital services. Currently the 5th batch is being trained with 20 students enrolled in the course.

Certifications & Recognitions:

- The NABH entry level certification renewal was obtained for the year 2022-2024.
- Makunda Christian Leprosy and General Hospital was awarded the certificate of accreditation for “Breastfeeding Friendly Hospital” for 3 years from August 2022 to August 2025.
- The Nobi Surin Urang Memorial Award was instituted in 2018 in memory of Mrs. Nobi Urang, Nurse Midwife who served in several capacities in Makunda for more than a decade and passed away after a long struggle with breast cancer. The award is given to the nurse who demonstrates good skills at bedside as well as show kindness and compassion in caring for patients. Mrs. Jeredy Banmeher Halam of Neonatal Intensive Care Unit was awarded “The Nobi Surin Urang Memorial Award in 2022” on 12th May 2022 as part of Nurses day celebration. There were several other programmes conducted as part of nurses day for the staff and prizes were awarded for the same.
- Training programmes: The year also saw nurses being part of several training programmes and taking the lead in research and community outreach. The following are the trainings/programmes in which Nurses and Nurse Assistants participated-
 1. 5 nurses (4 ANMs and 1 BSc) enrolled in the 6th batch of “Ward Manager’s Training” organised by Nurses League of CMAI from 13/2/2023 to 17/3/2023 and are awaiting their clinical exposure visit in CMC, Vellore.
 2. Ms. Denling Khartu and Ms. Jasmine Susan Koshy conducted a Basic Newborn Care Resuscitation Programme (BNCRP) for 09 ANM/GNM of Karimganj District on the 2nd December 2022 in Makunda.
 3. Ms. Sasomchun Halam, Senior Nurse Officer (M.Sc.N) attended the EHA Palliative Care Cross Learning Get Together at Dehradun on 30th November to 2nd December 2022.
 4. Ms Denling Khartu attended the “Intellectual property rights and research innovations” at CIHSR, Dimapur, Nagaland on 9th and 10th March 2023.
 5. Ms Denling Khartu attended the “Updates in Paediatric Nursing” at Baptist Christian Hospital, Tezpur on 14-16th March 2023.

Research related activities:

The Hospital is part of an international, multi centric research collaboration Antenatal and Post Natal Research Collective, ARC, since 2021 with the overall aim of understanding gaps in mother and child care objectively both at the population level in the Lowairpoa Block where the hospital is situated and at the facility level at Makunda.

SIIMA platform, Scalable and Sustainable Interventions to Improve Maternal and Neonatal Health in India was launched in 2022 with two distinct overall aims to be addressed through phased strategies.

Overall Aim 1:

To understand the demographic profile and health of maternal and infant dyads in Lowairpoa Block.

Overall Aim 2:

To focus on implementation and formative research on specific interventions that are of strategic importance for the public health system in the block based on the baseline data collected by the platform and engagement and alignment with state and national priorities.

Vaccination: All nurses have received their hepatitis B vaccination during their annual checkup and also who join newly as part of pre employment checkup.



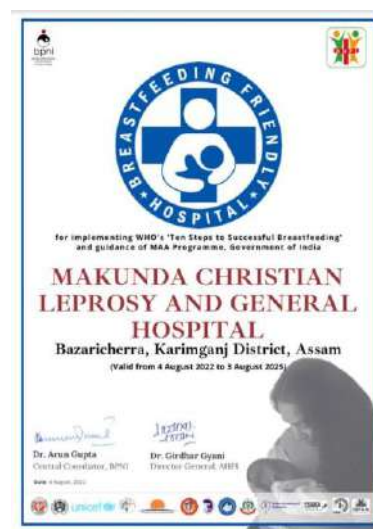
BASIC NEONATAL RESUSCITATION PROGRAM CONDUCTED ON 2ND DECEMBER, 2022
FOR THE 09 ANM/GNMs OF SUBCENTRES IN KARIMGANJ DISTRICT



CPR TRAINING BEING CONDUCTED FOR STAFF AS PART OF INSERVICE TRAINING PROGRAMMES



MRS NABI SURIN URANG MEMORIAL AWARD
FOR THE BEST NURSE DURING THE NURSES DAY
CELEBRATION ON 12TH MAY 2022



CERTIFICATE OF ACCREDITATION FOR
"BREASTFEEDING FRIENDLY HOSPITAL"
(2022-2025)

SUPPORT SERVICES

1. PHARMACY

The licensed pharmacy provides 24 hrs. services with 10 registered pharmacists. There are 4 windows for dispensing drugs to patients in the pharmacy building with a separate stockroom. One of our nurses manages the stockroom. Outpatients are seen in the doctors consulting room where drugs are prescribed and charged. The patient then goes to the cash counter to pay and then onto the pharmacy to get his drugs. Future plans include upgrading the infrastructure and facilities available for drug storage.



2. MEDICAL RECORDS

The work in the Medical records department is carried out by trained medical records technicians. All outpatient records are retained in the hospital and are issued to patients coming for the second or subsequent visit on production of patient identity cards. Each patient is given a unique OPD number at the first visit and all subsequent data is entered and stored using this number. In patient records are also hospital retained and are stored in chronological order. The data is entered into the software Hospital Information System (HIS) for easy retrieval and customized reports. Future plans include upgrading the infrastructure and facilities available for storage of medical records. The medical record Department is also involved in collection and reporting of statistical data needed by the Government National Health program. This year we started scanning of all the IP charts and also in process of upgrading into new HIMS.



3. IT SERVICES

The HIS system runs on a Dell T610 server running Red Hat Linux and with about 25 computers running on Ubuntu. A new IBM System 3500 M4 server has been made available so that in the event of an emergency, the old one will run

as a back up. Work is on to ensure that the HIS meets all the recent regulations regarding Electronic Medical Records. It is also proposed to purchase an additional server to accommodate PACS and digital data such as laparoscopic/operative findings, vital signs trend of patients in the HDU etc. We are in process of upgrading into new HMS.

4. DIETARY SERVICES

Fully stainless-steel furniture, chapathi making machine, steam-based cooking system, BainMarie, Atta kneader, gas cooking range, cutlery washing system etc were acquired and have been installed. The entire building was rebuilt to ensure excellent flow of users, staff, cutlery and food. The dietary services for in patients are overseen by the nutritionist who provides appropriate nutritional counselling and orders specific diet from the canteen for the inpatients.

The nutritional needs of severe acute malnourished children admitted in the hospital is also addressed by the nutritionist and the dietary department. The nutritionist also provides counselling to the patients in the outpatient department. The dietary department received the FSSAI certification on 8/6/2018 with a validity for 5 years. Future plans include upgrading the services of the dietary department

5. MAINTENANCE DEPARTMENT

A. ELECTRICITY

Electricity is obtained from Assam State Electricity Board - I I kV High Tension line. The total sanctioned load is 473 KVA. The power is obtained through a 500 KVA HT to LT transformer with a standby of 250 KVA HT to LT transformer. This power is regulated through a servo stabilizer, to minimize the power fluctuations.

As an alternate source of electricity, the hospital has 3 Diesel Generators of 45KVA, 200 KVA & 320KVA. It has a 900 litres capacity Diesel tank to ensure uninterrupted electricity supply.

The hospital has also installed a modern control panel with displays of incoming electricity from gensets and mains as well as loads on 4 different output lines. The generator room staff can decide which power source to use and also cut-off electricity as required to different parts of the campus.

During the time lapses in electricity supply from ASEB or from Diesel Generators, electricity for essential lines are provided from power banks (UPS / Invertors) in critical areas.

Under the supervision of Maintenance In-charge, 6 personnel of maintenance department are available round the clock as well as in the event of any emergency.

B. PORTABLE WATER

Portable water is obtained after treating the water from a perennial tributary of Longai River. The hospital has its own 100,000 liter treatment plant (a generous gift from the Government of Assam), with a reservoir of 2 days storage capacity of treated water. In-case of emergency, tube well water with a submersible pump can be used as a secondary source. The existing main water tank is inadequate. It is proposed to construct a new 50,000 liter water tank and put in piping to connect this tank to the entire campus. A new Pneumatic Water pumping system is installed this year.

C. OXYGEN / MEDICAL GAS

In 2015 , Makunda purchased and installed an Airox AS-G oxygen generator and gas pipelines to all areas requiring oxygen and pressurized gas in the hospital. Prior to this, oxygen was obtained in the form of filled cylinders from oxygen plants located in Silchar (120 kms) and Guwahati (400 kms) away. With poor road conditions, the supply was erratic and there was frequent necessity to ration oxygen to the most needy patients.

The model that is being used (AS-G) is capable of an oxygen flow of 320 SCFH, equivalent to 253 litres of liquid oxygen/day and 60 bulk cylinders (Standard 'K' – 244 SCF) per day.

The entire set of equipment includes an air compressor, dehumidifier, oxygen generator and storage tank. An oxygen purity meter indicates the oxygen content of the gas mixture at the point of generation. The equipment is automatically

switched on as soon as pressure in the storage tank drops and is switched off as soon as a set maximum pressure is reached. The generated oxygen is piped using copper piping to all points in the hospital requiring oxygen. Maintenance staff are available 24/7 to attend to any emergency so that uninterrupted supply of high-quality oxygen is always ensured.

A central suction and compressed medical air system were installed with 3 zone pressure alarms with associated pipelines. 1000-liter tanks for oxygen, compressed air and vacuum allow ventilators and other critical equipment to run for several hours without the need to switch to genset power during power cuts. We installed Cistron Oxygen plant with the capacity of 300 liters/min.

D. INTERCOM

The hospital has a BPL EPABX but this has been largely superseded by staff using the cell phone network. However, with intermittently poor cell phone coverage, the EPABX has been put back into use and it is proposed to add more lines to it.

E. VEHICLES

A new Vehicle Maruti EECO was purchased to transport student nurses to the community and also pick up and drop staff at nights from their homes within the campus. Isuzu Pickup truck is used to transport the large numbers of oxygen cylinders as well as bring the increasing amounts of supplies from nearby towns. The hospital also uses a Maruti EECO Ambulance. The Ambassa branch hospital has a Bolero Camper 2WD.

F. HUMAN RESOURCE DEPARTMENT

The HR Department in coordination with the Clinical Service/Support service/Nursing services Coordinator and respective department in charges plan for the right number and mix of staff, commensurate with the volume and scope of services of the department for the financial year.

This is conveyed by the HR department to the Unit Management Committee every month. A collective decision is taken by the management of the hospital regarding the matter keeping in mind the following principles

- All statutory requirements of the land are met.
- Decisions on staffing are based on objective evidence eg time audits / clinical audits etc that clearly show that the change in number of staff is deemed necessary to improve quality of patient care and safety.
- Recruitments will be done against an approved manpower budget and the changes proposed do not affect the business strategic plans for financial sustainability. The HR department also supervises the staff development and training programs and aids in addressing staff grievances and issuing disciplinary actions as per the EHA policy.

I. Total Number Of Staff With Break Up

Category of staff	2020-21	2021-22	2022-23
Medical staff	16	21	28
Nursing staff	117	132	142
Diploma in Health Assistants	24	37	38
Administration	27	36	40
Allied health	37	41	42

Technical staff	5	7	19
Support staff	41	69	97
Others staff / Teachers	35	37	25
TOTAL NUMBER	302	377	418

2. ***Refer Annexure A: List of staff appointments, confirmation, service obligations, resignations and transfers.***
3. ***Refer Annexure B: List of Training, Workshops and Conferences by staff***
4. ***Refer Annexure C: List of candidates sponsored for higher education***

RESEARCH AND PUBLICATIONS:

April 2022 to March 2023

- 1 Burden of typhoid and paratyphoid fever in India-R.M.Koshy, S.Thankaraj, Gagandeep Kang and others, The New England Journal of Medicine, April 19,2023, N Engl J Med 2023;388:1491-500
- 2 Genomic analysis unveils genome degradation events and gene flux in the emergence and persistence of S.Paratyphi A lineages- Roshine Mary Koshy, Jacob John, Gagandeep Kang and others, PLOS Pathogens, April 28,2023, PloS Pathog 19[4]:e1010650
- 3 Global diversity and antimicrobial resistance of typhoid fever pathogens:insights from 13000 Salmonella Typhi genomes-Roshine Mary Koshy, Jacob John, Gangandeep Kang and others, December 2022, DOI:10.1101/2022.12.28.22283969-Global Typhoid Genomics Consortium Paper
- 4 Association between polarity of first episode and solar insolation in bipolar I disorder-Starlin V.Mythri, Michael Bauer and others, Journal of Psychosomatic Research 160(2022)110982, 25 June 2022, Elsevier 0022-3999, DOI:10.1016/j.psychores.2022.110982
- 5 Genomic Epidemiology of Typhoid Highlights the Need for Lineage Resolution Diagnosis in Treatment Decisions-Roshine Mary Koshy, Jacob John, Gagandeep Kang and others, January 2022, SSRN electronic journal, DOI: 10.2139/ssrn.4022094
- 6 Routine sterile glove and instrument change at the time of abdominal wound closure to prevent surgical site infection (ChEETAh): a pragmatic, cluster-randomised trial in seven low-income and middle-income countries- Vijay A Ismavel, Moloti Kichu, Carolin V Solomi, The Lancet-October 31,2022 DOI:10.1016/S0140-6736(22)01884-0
- 7 Focused Cardiac Ultrasound to Guide the Diagnosis of Heart Failure in Pregnant Women in India-Vijay A Ismavel, Caroline V Solomi, Manisha Nair and others, August 2022, Journal of the American Society of Echocardiography 35(12), DOI:10.1016/j.echo.2022.07.014
- 8 Intrapulmonary mature cystic teratoma presenting with haemoptysis treated with right middle lobectomy in a low-resource setting- Vijay A Ismavel, Ann Miriam, July 2022, BMJ case reports 15(7):248221, DOI:10.1136/bcr-2021-248221

CONTINUOUS QUALITY ASSURANCE AND IMPROVEMENT PROGRAM

In keeping with the mission and vision of the hospital to provide high quality care, the management has recognized the need for a self-assessment and external peer assessment process so that the hospital can objectively assess its level of performance in relation to established standards and implement ways to continuously improve.

The quality team embarked on the journey of developing and implementing the quality program using the entry level NABH (National Accreditation Board for Hospitals and Health Care Providers) accreditation process. We were awarded the renewed NABH Pre Accreditation Entry Level Certificate by the Constituent Board of NABH on January 8th 2018 with a validity for 2 years. The hospital had a reassessment on 15th October 2022 by Dr.Pramod Paharia, SMO, Nazareth Hospital, Shillong and was awarded the renewal of pre-entry level NABH certification for another two years valid till 2nd July 2024

The Continuous quality assurance and improvement program has been developed using the framework of the 5 patient centered standards and the 5 administration centered standards. The program is supervised by the Quality coordinator, Mr. Pranjal Christopher Koshy while the implementation process is coordinated by the Quality Officer Ms.Joymantingnei Chorei.

Various protocols used in the hospital have been incorporated into Manuals and have been implemented by the department in charges in their respective departments. Several committees have been formed to implement the various aspects of patient quality and safety as described in the NABH standards. The quality program is continuously monitored by identifying Continuous Quality Indicators

Key Performance Indicators and reviewing them by the various departments. These CQIs have been incorporated onto the hospital information system so that they can be viewed by every staff of the concerned department, so that the entire hospital team is encouraged to constantly improve its services.

We thank God for all the staff who have put in a lot of effort to ensure that we retain NABH pre-entry level accreditation. This is our first step to ensure that the poor and the marginalized who access our health services are receiving and will continue to receive high quality and safe medical care at affordable costs.

The coming years, we will strive to develop, customize and refine our Continuous Quality Assurance and Improvement program.

PARTNERSHIPS

GOVERNMENT OF ASSAM:

- The private public partnership with National Health Mission, Assam initiated in 2008 continues to play a valuable role in ensuring comprehensive treatment of maternal and pediatric patients.
- Janani Suraksha Yojana (JSY) programme: Under this scheme, patients undergoing delivery in the hospital are provided cash incentives with about Rs. 1 crore having been disbursed under this scheme by the hospital so far.
- Pradhan Mantri Surakshit Matritva Abhiyan: Launched by the Ministry of Health and Family Welfare, Govt of India, the scheme guarantees a minimum package of antenatal care services to women in their 2nd and 3rd trimester for pregnancies. The 9th day of every month is kept apart for this scheme. In Makunda, the scheme is spread across the first week of every month and includes free investigations including ultrasound abdomen to the eligible women from Assam since 2016
- The ICTC, RNTCP, NLEP, Immunisation and AFP programmes run in collaboration with the government. The hospital continues to run the RNTCP DOTS facility and laboratory facility with the government.

AB PM-JAY: This year we restarted the AB PM-JAY (Ayushman Bharat) services at Makunda, which greatly benefited the patients accessing the services at Makunda. Around 1225 patients received treatment under this scheme.

Dept	Total Patients
Medicine	335
Surgery	395
Pediatrics	37
NICU	238
OBG&GYN	184
Ortho	36

ALOKA VISION PROGRAM:

The “Aloka Vision Programme”, initiated and supported by ZEISS, an internationally leading technological enterprise, aims to change the landscape of vision care in rural areas through entrepreneurial network, technology, innovation, quality spectacles and raising awareness for the benefits of clear vision.

Makunda hospital became part of program last year with the work being organised by our optometrists. Appropriate glasses are ordered for patients which are despatched from Bangalore so that patients receive affordable high quality glasses. Monthly refraction camps are also held in nearby villages so that the local communities are benefitted.

DOCTOR IN GLOBAL HEALTH AND TROPICAL MEDICINE:

This program has been started by the Royal Dutch Tropical Institute (KIT), Amsterdam to train doctors who will work in the most resource-poor settings in the developing world. A theory curriculum has been developed in management, tropical medicine and global health with clinical training in obstetrics, surgery and pediatrics in the Netherlands. Following this, the residents are posted to one of 8 global low- resource settings for practical exposure to high-quality sustainable work in low- resource settings. Makunda is privileged to be one of these settings (the others are in Papua New Guinea and Africa, and Duncan Hospital, Raxual in Bihar). A total of 32 residents have completed their training in Makunda till date and are working in various health care settings in the developing world or engaged with marginalized groups in the Netherlands.

GRANTS

1. EKAM FOUNDATION MUMBAI

The partnership with Ekam Foundation Mumbai was initiated in April 2020. Ekam foundation Mumbai works with the motto 'Healthy child, Happy child' and their mission is to strive for better quality of health, education and wellbeing of every child irrespective of their economic status, race and religious background. Makunda's partnership is with the EKAM surgery support program in which the treatment costs of paediatric and neonatal surgeries and management of critically ill children in Intensive care are supported through various donors. The last year, they have supported the treatment of such children belonging to vulnerable and poor tribal communities and we are thankful to God for their partnership.

Picture showing a child who got admitted with Severe Acute Malnutrition and Night blindness, recovered completely after Nutritional rehabilitation and Vitamin A supplementation. The entire treatment was supported by Ekam foundation

2. HEMALATHA MEMORIAL TRUST FOUNDATION

This year the foundation donated Five ICU monitors, Dental Chair and CR system for the hospital, which helped in further strengthening of hospital services.

3. LIFE FOR A CHILD (LFAC)

Life for a child supports children with type I diabetes mellitus. Over the last one year, LFAC has supported six children with type I diabetes mellitus getting for their daily Insulin requirements, including home blood glucose monitoring.

TRAINING PROGRAMS

1. SECONDARY HOSPITAL PROGRAM

The hospital has welcomed students from CMC Vellore for their secondary hospital programs. The structured 10 day program provides the students with the opportunity to have an experience of being a part of the health team in a rural , resource poor setting. Apart from exposing them to the rich clinical experience gained in a hospital setting, they interact with the hospital staff to understand the inspiration behind the work and the challenges of working in such settings. They are also encouraged to do small projects during their posting which was well received by the health team.

2. TRAINING CENTER FOR GNM NURSES

The hospital provides clinical exposure to GNM nursing students from Burrows Memorial Christian Hospital (Alipur), Baptist Christian Hospital (Tezpur) and Christian Institute of Health Sciences and Research (Dimapur) for their obstetrics postings.

3. TRAINING CENTER FOR SKILLED BIRTH ATTENDANTS

The hospital provides the Skilled Birth Attendant training for nurses recognized by NRHM Assam. 108 nurses from 48 Government PHC's and subcenters have completed the course since 2012.

BRANCH HOSPITAL, AMBASSA



Starting and sustaining new hospitals in remote areas of the northeast is one of the aims of Makunda hospital society and with this mind, a survey of the state of Tripura was conducted in 2005. Kamalacherra (near Ambassa) in the Dhalai district of Tripura was selected as the site of the first such project.

Dhalai, Tripura has a population over 3,75,000, principally tribals, an overwhelming majority of them being daily wage workers, for whom health care is just another burden. Most of them wouldn't even consult a health care professional till they are unable to perform activities of daily living. The concentration of health care services in the cities, the prevailing militancy (at the time of establishment— 2003), the high cost of travel[they hire vehicles for the express purpose of the trip to a hospital], the lack of access to emergency medical care were all factors in the establishment of the branch.

Started in 2005 on rented premises(one large hall, with sections divided into registration, consultation, pharmacy & ECG), the Kamalacherra branch of Makunda Hospital(referred to as Ambassa amongst the doctors and staff), has blossomed into a OPD building with facilities for registration, laboratory, X-Ray, ECG, an OR for performing minor procedures, Ultrasound (a GE V2 with 2 probes) and independent pharmacy with its own drug license, with plans for expansion into a secondary health center.

In addition to providing health care, there has also been a shift to focus on prevention and protection. Patients are advised as to dangers of the current health style and suggested lifestyle modifications, so as to reduce the health care costs. Eye camps and health camps are conducted in the surrounding villages, in concert with the main hospital in Assam. Special OPD for patients requiring psychiatric and orthopaedic consultation are conducted once on a month on Ambassa by Consultants from main hospital.

Dr. Molhouwa Tantanga medical officer in charge of the branch hospital. The staff consists of a full- time medical resident doctor, 4 nurses (all trained in Makunda), a laboratory technician, X-ray technician, a pharmacist, 2 clerks, 5 general workers and a driver presently comprise the staff there. The branch also serves as a useful training ground for staff in managing finance, administration, personnel as well as independently and confidently managing medical problems.

NURSING SCHOOL

HISTORY

The institution had a school of nursing for many years when it was run by the Baptist Mid- Missions, USA. The course was affiliated to the Assam Nurses' Midwives' and Health Visitors' Council and recognized by the Indian Nursing Council. When the hospital was closed down in the 1980s, the school of nursing also stopped functioning.

The ANM course was restarted in February 2006 and 288 ANM have been trained so far. The school is also registered with the National Commission for Minority Educational Institutions.

Our aim is to provide high quality training to girls from remote areas in the northeast so that these communities may be transformed. Majority of the ANM graduates are absorbed as staff in various EHA hospitals during their service obligation while others continue to work in remote areas in the North East.

Mission statement: Nursing education institute of EHA exists to transform communities through educating and training nurses to serve in the name and spirit of Lord Jesus Christ.

INFRASTRUCTURE AND ACADEMICS

There are 2 classrooms of size 20' x 20' to accommodate 25 students each, an office room and a storeroom. There are two laboratories used for academic activities. The nursing school hostel has the capacity to accommodate 25 students in dormitory type accommodation and 25 students in single rooms with toilets and bathrooms.

The students are encouraged to use the library for self-learning and to update their knowledge on nursing and other health topics. With the unique composition of patients seen in Makunda Hospital the student nurses are able to get hands on experience in handling very difficult and rare cases during the clinical postings in the wards. In-house doctors, visiting doctors and others, give periodic guest lectures for the students. The ANM students are also the backbone of the community work offered by the hospital in the neighboring villages.

The Student Nurses Association provides students an active platform to develop leadership skills and engage in extracurricular activities. In addition to the above regular sports, games and recreational activities are conducted.

The weekly Evangelical Union fellowship has been a source of spiritual nurture for the students. Missionary and inspirational movies are screened periodically to inculcate the missionary spirit.

THE YEAR 2022-23:

We did not recruit students for two years 2019-21, the reason being the upgradation of the school to college and COVID. But the permission for "NO OBJECTION CERTIFICATE" has not yet been approved. We are praying earnestly for it. In the meantime, we have decided to restart the ANM course. In 2022 October, we admitted 16 students for ANM course.

FUTURE PLANS

In 2016, the Assam Government made it mandatory for ANM courses to take in students from the state of Assam alone. This has been a setback to the mission of the Nursing school which has been instrumental in training nurses to work in rural parts of all North Eastern States.

The bottleneck in starting B.Sc. Nursing College had been the requirement for major investments for infrastructure and facilities for all batches of B.Sc. students.

We are grateful to God for providing us the opportunity to realize this dream through the generous contribution of the Pharos Foundation, Netherlands. The nursing academic block for 40 students and a hostel block was inaugurated on September 2019 by Mr. Piet Mars and Mrs. Marianne Mars. The application for NOC for the first batch of BSc nurses has been submitted and inspection is awaited to formally start the College of Nursing.

Preparation of College of Nursing:

Infrastructure: the building (Academic and Hostel) is completed as per INC

Faculty: currently we have

M.Sc.N – 4 (Med-Surg-I, Community-I & OBGY-2)

M.Sc.N – 3 in 2nd year (Med-Surg-I, Paediatric-2) at CMC Vellore

M.Sc.N – 2 in 1st year (Paediatric-I, OBGY-I) at CMC Vellore

Library: we had 1000 books, purchased 500 recently to meet the INC requirements. We have employed a librarian to take care of the books.

Laboratory: 5 laboratories are semi furnished.



15 ANM students (2022 batch)



ANM Graduates (2017 & 18 batch)

MAKUNDA CHRISTIAN HIGHER SECONDARY SCHOOL

HISTORY AND CONTEXT

The Makunda Christian Leprosy and General Hospital Society runs a secondary-level charitable hospital serving rural communities in North East India since 1993. Being strategically located at the junction of the three states of Assam, Tripura, and Mizoram, the society caters to a diverse population of various linguistic, cultural, and religious backgrounds. In the early 2000s, the Society, under the leadership of Dr. Vijayanand Ismavel and Dr. Ann Miriam, felt the need to address the gap in educational opportunities that the communities living in Lowairpoa block had. Since the existing schools were Bengali medium, most tribal children found it difficult to continue their education beyond primary school. With the advantage of having their tribal languages in English scripts, the Society realized the value of an English medium School to cater to these communities, within a 10 km geographical radius belonging to different cultural backgrounds and speaking over 20 languages and dialects.

The Makunda Christian School, in English Medium, following the Secondary Education Board of Assam Syllabus was started in 2004 with 6 teachers educating around 150 students. The School is registered as A Christian Minority institution. The school has grown over the years with the first batch of 10th-grade students passing out in 2012. Tagging with a local Government School, Higher Secondary section with Arts Stream was added in the year to provide continuity of educational opportunities in 2014, and in 2015, a Science stream branch was added.

THE ACADEMIC YEAR 2022-2023:

The academic year 2022-2023 saw an enrollment of 1263 students distributed from Kindergarten to Class 12. Each class is divided into 2 sections to accommodate students except for class 2 which has an additional section. Primary classes till Class 10 have an average of 48 students per class while the average no of students in HS Arts is 37 and in HS science is 20. The department has 47 teachers and 11 non-teaching staff catering to the educational needs of the students.

FEE STRUCTURE:

Since the school caters to predominantly economically disadvantaged communities, school fees are kept reasonably low for education to be affordable to the majority. Apart from this policy, around 20% of students are provided additional financial assistance after an assessment.

Fee Structure for the Academic Year 2022-2023			
For Class KG 1 to Class X			
Sl.No	PARTICULAR	Re-admission	New Admission
1	Admission Fee	₹ 500.00	₹ 500.00
2	School Examination Fee	₹ 450.00	₹ 450.00
3	Electricity Fee	₹ 400.00	₹ 400.00
4	Sports Fee	₹ 350.00	₹ 350.00
5	Maintenance Fee	₹ 500.00	₹ 500.00
6	Establishment Fee	₹ 500.00	₹ 500.00
7	Progress Report Fee	₹ 130.00	₹ 130.00
8	School Handbook Fee	₹ 100.00	₹ 100.00
9	ID Card Fee	₹ 110.00	₹ 110.00
10	New Enrolment fee	N/A	₹ 1,000.00
11	First Aid Fee	₹ 100.00	₹ 100.00
12	Extra and Co-Curricular Activities Fee	₹ 260.00	₹ 260.00
13	Monthly Tuition Fee (550*12)	₹ 6,600.00	₹ 6,600.00
	Total (per annum)	₹ 10,000.00	₹ 11,000.00

Fee Structure for the Academic Year 2022-2023			
For Class XI and XII			
Sl.No	PARTICULAR	ARTS STREAM	SCIENCE STREAM
1	Admission Fee	₹ 2,000.00	₹ 2,000.00
2	Tuition Fee (700*12)	₹ 8,400.00	₹ 8,400.00
3	Establishment Fee	₹ 1,000.00	₹ 1,000.00
4	Laboratory Fee	N/A	₹ 3,600.00
5	Electricity Fee	₹ 400.00	₹ 1,000.00
6	Maintenance Fee	₹ 1,000.00	₹ 1,000.00
7	School Handbook Fee	₹ 100.00	₹ 100.00
8	School Examination Fee	₹ 1,000.00	₹ 1,000.00
9	Enrolment Fee	₹ 1,000.00	₹ 1,000.00
10	ID Card Fee	₹ 100.00	₹ 100.00
	Total (per annum)	₹ 15,000.00	₹ 19,200.00

Infrastructure:

The School has 30 classrooms with a capacity of 45 students in each room, 4 laboratories with facilities for 24 students at one time, one Library, two staff rooms and a small room which functions as a canteen. The above infrastructure is spread out in three buildings, two of which are Assam-type buildings and one an RCC building. The school also has hostel facilities for both boys and girls situated inside the Campus of MCLGH Community where 162 students are staying to pursue their education at the school.

Board Results:

The summary of Board Examination results for the last three years is tabulated below

	2019-2020			2020-2021			2021-2022		
	Class X	Class XII Science	Class XII Arts	Class X	Class XII Science	Class XII Arts	Class X	Class XII Science	Class XII Arts
No of students appeared	39	20	22	56	19	26	87	19	34
No of students passed	38	20	22	55	19	26	75	19	34
Pass Percentage	97.44%	100.00%	100.00%	98.21%	100.00%	100.00%	86.21%	100.00%	100.00%

Extra / Co-Curricular Activities:

- World Environment Day was observed on 05-06-2022 and students of Class I to Class 5 planted trees inside the school campus.
- Felicitation Program for the toppers of Class X of the academic year 2021-2022 was held on 10-06-2022.
- Fresher's day Program for welcoming the New students of Class XI was conducted on 16-07-2022.

- As a part of 75 years of India Independence celebrations a Tiranga rally was conducted on 13-08-2022.
- Independence Day Program was conducted on 15-08-2022.
- The students of Class XII participated in an Educational Exposure Trip to Shillong (Air force Museum, Dawki, Don Bosco Cultural Museum, Cherrapunji) from 06-10-2022 to 10-10-2022.
- Sports week for the academic year 2022-2023 was conducted from 01-11-2022 to 08-11-2022.
- A Program for the observation of World Mental Health Day was conducted on 11-10-2022.
- Fancy Dress competition for students of Class KG I to Class III was conducted on 12-11-2022.
- Science and Cultural Exhibition was conducted on 14-11-2022 followed by the Cultural Program.
- Pre – Christmas Program for the Hostel Students was conducted on 03-12-2022.
- The students of Class VIII to X who scored First Division marks in the Half-yearly Examination and Class XI Science students visited the Science Exhibition Conducted by Students of St. Joseph School, Manikbond on 07-12-2022.
- Girl students of Class IX and X participated in National Girl Child Day Celebrations conducted by the District administration in Kasturba Gandhi Balika Vidyalaya Lowairpoa on 24-01-2023.
- The Farewell Program for the outgoing class X and XII students will be conducted on 28-01-2023.

National Cadet Corps (NCC 2022-2023):

- 100 students from Class VII to Class X enrolled for NCC in the year.
- 23 students of NCC attended a training camp conducted by the NCC Karimganj unit.
- 22 students appeared for NCC A Certificate Examination.
- Mr. Anirban Nath of class X attended the Aerospace Exposure visit to Bangalore and ISRO Sriharikota. He was selected out of 2 students from Karimganj district.
- Mr. Souvik Paul and Ms. Rinki Kairi of class VIII participated in the Field Camp Exposure visit in Arunachal Pradesh.

Challenges and potential:

1. Lack of family support:

A majority of children studying in our school belong to families where they are the first to attend school. Parents are not able to provide the necessary emotional support and encouragement required for them to continue their studies. Study time is not prioritized and students struggle to revise their lessons at home. We plan to hold special parent-teacher meetings with such families to create awareness of the value of education and the ways in which they can support the education of their children.

2. Early marriage:

Though the number of girls getting married before they complete their studies has come down over the years, it is still a social issue that negatively affects the performance of girl students in particular. We are holding counseling sessions in the school facilitated by staff from the school and hospital to address this issue.

Future Plans:

1. Addition of Commerce Stream:

There is a felt need for adding a Commerce stream to the higher secondary section as there is no college /school in a 50 km radius which offers this stream. This would provide alternative vocational opportunities for students who don't want to pursue a science or arts stream.

2 Additional capacity for higher secondary section, Science stream

Higher secondary education continues to be a critical need for the community as more students are now completing Class 10. Opportunities to pursue quality higher education, especially in the science stream are only in neighboring cities and not affordable for most. With our current capacity of 25 students per class in the science stream, we are unable to accommodate the demand for Science stream education. We hope to build up additional capacity including Infrastructure and Human Resources in the coming year.

DEPARTMENT OF AGRICULTURE AND FISHERIES

The year 2022-23 saw growth in the area of fishery, piggery and rubber tapping. The department focused on the intensification of fishery and piggery. This was also the year of early planning towards the livelihood initiatives in the local community.

Paddy Cultivation:

In the year 2022-23, six different types of local paddy were cultivated. The total harvest was 22.6 tonnes. Paddy was cultivated for three seasons – autumn, winter (major) and summer using both traditional and SRI methods.



Fishery:

This year three large fishery bunds were repaired. Other bunds of small-medium ponds were repaired manually and forest bush and shrubs were cleared around the ponds. Intensive aquaculture was done in one large pond and preparatory work was done in another pond. Total 12 tonnes (approx.) fish was harvested and the income from fishery was Rs. 21,00,150.



Poultry:

Poultry farming continued to be steady through the year. The focus was to provide meat to staff, canteen and school hostels. The total income for the poultry was Rs. 14,05,582 but the profit margin from poultry has been low but sustainable.



Piggery:

Piggery was extended to 25 houses and the farming method has been semi-intensive. Regular deworming, cleanliness and proper care with medication was carried out. There is a high demand for healthy piglets and pork among our staff and nearby community.

Vegetable/fruits/Mushrooms:

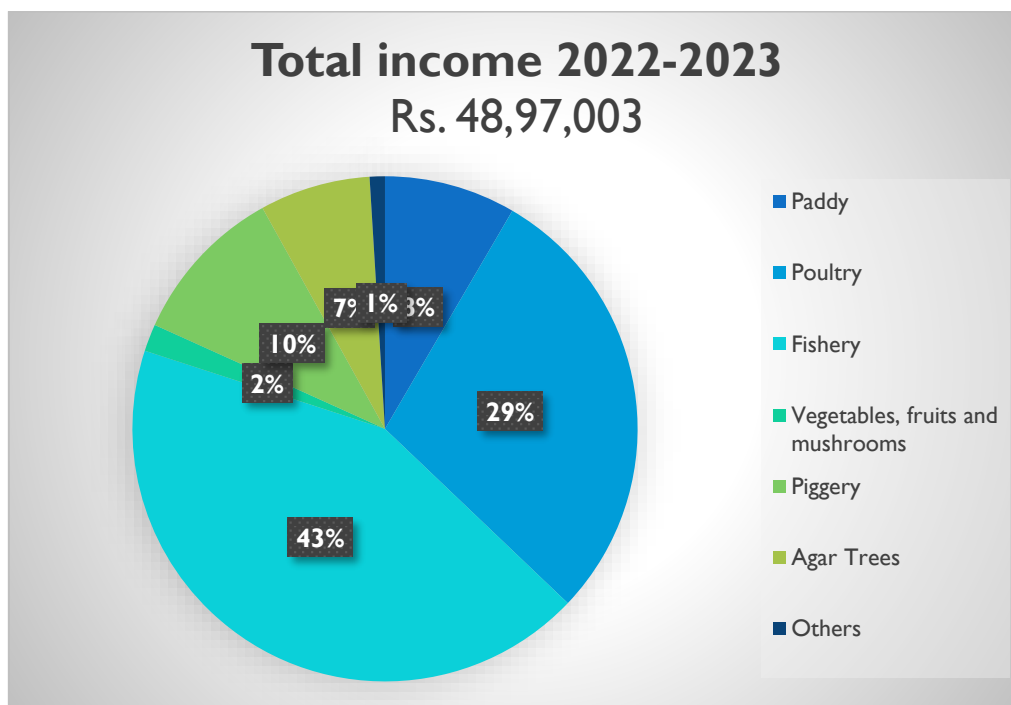
Different vegetables, litchis, jackfruits and mangoes were harvested. Mushroom cultivation was steady throughout the year and all the mushrooms harvested was sold among the staff. Winter vegetable cultivation was also done and the vegetables were sold among the staff and hospital canteen.

**Rubber & Agar:**

Agarwood (Aquilaria malaccensis) tree which was planted many years back are now being sold. Rs. 3,47,000 worth of agar trees were sold. Total 1350kg of rubber sheets were harvested and ready for selling but due to low market rates rubber sheets were not sold this year.



This year the Total Income the department generated was Rs. 48,97,003. The source of the income was from Fisheries (Rs. 21,00,150), Paddy (Rs. 4,12,148) and Fruits, vegetables & mushroom (Rs. 85,244), Agar trees (Rs. 3,47,000), Poultry (Rs. 14,05,582) and Piggery (Rs. 4,99,189) and others (Rs. 47,690).



Future Plan

The new initiatives planned for the year 2023-24 are as follows.

- Starting the dairy farm along with vermi-compost unit.
- Intensive aquaculture in two large ponds.
- Horticulture – Plantation of different fruit trees in planned areas. Major plan is to plant dragon fruits.
- Expanding the bee-keeping initiatives.
- Plantation of silver oaks trees in the campus.
- Black pepper and other spices.
- Low cost Green House for vegetables.
- Community initiatives – Plan is to help the marginalized community in sustainable livelihood generation.



DEPARTMENT OF BIODIVERSITY DOCUMENTATION AND WILD LIFE CONSERVATION

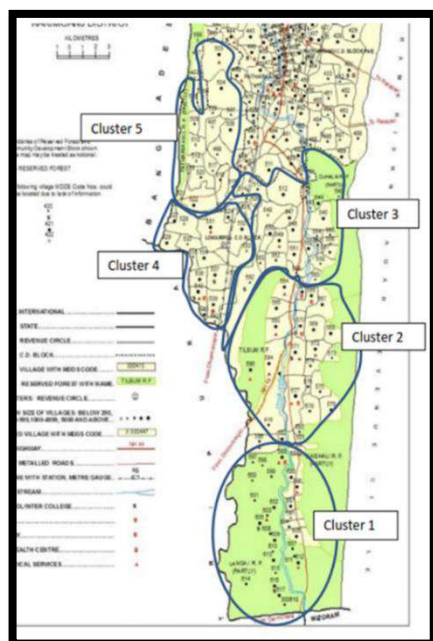
The Biodiversity department was started in 2015. A biodiversity trail was developed within the campus and the "Makunda Nature Club" (MNC) was formed with interested staff and students as members. Rejoice Gassah, who had studied at the Makunda Christian High School was sent for training in wildlife photography and videography and completed the "Green Hub Fellowship". Photographic observations of all sorts of wildlife have been uploaded to iNaturalist, the top citizen science portal in the world. The members of the MNC have contributed about 7% of all observations from India in this portal. The story of a new species of Hepialid moth (*Endoclita Makundae*) at Makunda has been published by a digital news agency covering northeast India. The ghost moth species was found on February 28, 2019. Assam: New moth species gets named after hospital in Karimganj (eastmojo.com)

Research is in progress on Butterflies and Birds of Makunda and surroundings as well as a few rare species, Thyridid moths of Makunda, Tortoises and Turtles of Makunda and surroundings

PUBLICATIONS OF THE DEPARTMENT OF BIODIVERSITY DOCUMENTATION AND WILD LIFE PRESERVATION

- i. Mating of the Greater Coucal: Dr Vijay Anand Ismavel: Bird Ecology Study Group; January 2011
- ii. Sighting of purple-throated, or Van Hasselt's Sunbird *Leptocoma sperata brasiliensis* in Karimganj District, Assam, with notes on its status in India: Vijay anand Ismavel, Praveen J; Indian Birds Vol 10 No 3&4; Publ 29th August 2015
- iii. Forest ghost moth fauna of northeastern India (Lepidoptera: Hepialidae: *Endoclita*, *Palpifer*, and *Hepialiscus*): John R Grehan, Dr Vijay Anand Ismavel: Journal of threatened taxa: Vol. 9 No 3(2017)
- iv. iv. Illustrated redescription of two large coreid bugs from Assam including *Schroederia feana* (Distant, 1902) as the first record for India (Hemiptera, Heteroptera, Coreidae, Coreinae, Mictini); Hemant Ghate, Siddharth Kulkarni, Vijay Anand Ismavel: ENTOMON 42(2):165-172 ;January 2017
- v. Report of *Platythomisus octomaculatus* (C. L. Koch, 1845) and *Platythomisus sudeepi* Biswas, 1977 from India (Araneae, Thomisidae); Swara Yadav, Vinayak Krishna Patil. Dr Vijay Anand Ismavel: Biodiversity Data Journal 595:8 ;January 2017.
- vi. Sighting of the Golden-crested Myna *Ampeliceps coronatus* in Karimganj District, Assam, with notes on its distribution: Dr Vijay Anand Ismavel, Rejoice Gassah: Indian Birds 14(5)168- 172: December 2018
- vii. Sighting of Particolored Flying Squirrel in Assam, India By Rejoice Gassah, March 17th, 2019: Chosen as picture of the week: Conservation India
- viii. Sighting of the Asian Stubtail (*Urosphena squameiceps*) in Karimganj district of Assam, and its status in the India Subcontinent- Dr. Vijay Anand Ismavel, Rejoice Gassah: Indian Birds Vol 15 No 1: Pub 10th May 2019
- ix. Tawny breasted Wren Babbler *Spelaesornis longicaudatus* in the Jaintia Hills, and an update on its status in Meghalaya: Dr Vijay Anand Ismavel, Rejoice Gassah: Indian Birds Vol 15 No 1: Pub 10th May 2019
- x. Golden Jackal - *Canis aureus*, Linnaeus 1758 - Occurrence in North East India :Dr. Vijay Anand Ismavel; Chapter in the book," Natural History of North East India:"Vol 1 (Mammals): June 2019
- xi. Otters- Occurrence in North East India: Dr Vijay Anand Ismavel - In book: Natural History of North East India, Volume 1 (Mammals): First Edition; Chapter 30: July 2019
- xii. Siberian Blue Robin *Larvivora cyane* from the Barak Valley of Assam, with a status update for India:Dr. Vijay Anand Ismavel, Rejoice Gassah: Indian Birds 15(4):123-125: December 2019
- xiii. First Photographic Record of the Asiatic Brush-tailed Porcupine *Atherurus macrourus* (Linnaeus, 1758) (Mammalia: Rodentia: Hystricidae) from the Barak Valley Region of Assam, India: Dr. Vijay Anand Ismavel, Rejoice: Journal of threatened taxa: Vol 12. No 17(2020)

COMMUNITY HEALTH



Lowairpoa Block Map

We thank God for His grace and guidance to the community health team in the past year. We were involved in multiple activities under Antenatal & Post-natal Research Collective (ARC) Project and also initiated community ANC clinics in two Govt. sub-centers in Lowairpoa Block. After the initial phase of Demographic Surveillance System (DSS) survey which ended in May 2022, the team was involved in Rapid Pregnancy Surveillance, Home-based ANC & PNC follow-ups and in Formative research under Sustainable and Scalable Interventions to Improve Maternal and new-born health in India (SIIMA) platform.

Rapid Pregnancy Surveillance:

Rapid pregnancy Surveillance was conducted in the month of June-August 2022 in Lowairpoa Block. The objective of this surveillance was to identify the currently pregnant women and capture information on ANC care. 46 field staffs were involved in this surveillance and a total of 1615 pregnant women were identified. Out of the 1230 women whose place of ANC check-up was recorded, 28.5% did not go for any check-up, 20.3% had check-ups in Makunda while the rest had their check-ups in other health facilities.

Home- Based ANC & PNC follow-ups:

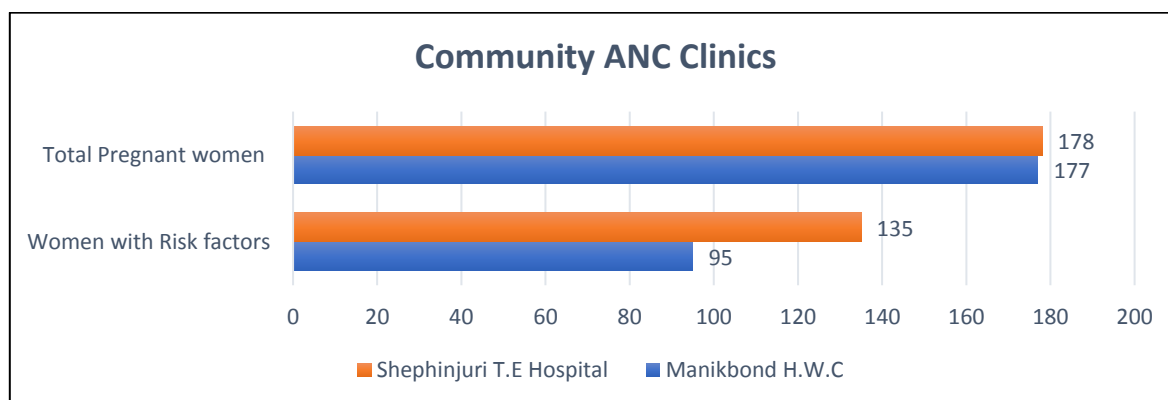
The home-based ANC follow-ups, started in Nov 2021 were continued in this year, while the home visits for PNC follow-ups were initiated in the month of September 2022 for the mothers who were enrolled in the ARC MNH study from Lowairpoa block. The field supervisors were trained for measuring anthropometrics and vitals for both mothers as well as infants and to identify issues which needed referral to the hospital.

Cluster	No. of ANC home visits
Cluster 1	138
Cluster 2	267
Cluster 3	77
Cluster 4	53
Cluster 5	36
Total	571

Cluster	No. of PNC Home Visits					
	PNC1 7day	PNC2 28 days	PNC3 42 days	PNC4 6 months	PNC5 1 year	Total
1	46	61	66	59	82	314
2	102	126	126	82	81	517
3	32	48	43	30	47	200
4	28	52	56	31	26	193
5	21	24	29	22	36	132
Total	228	311	320	224	272	1,356

Community ANC Clinics:

Under the public private partnership with NHM Assam, two community ANC clinics were started in Manikbond H.W.C and Shephinjuri T.E hospital from the month of April 2022.



FORMATIVE RESEARCH UNDER SIIMA PLATFORM:

Anemia was recognized to be a major risk factor among tea garden mothers accessing health care in Makunda and hence this study was started. The aim of this study is to understand the beliefs and behaviors related to anemia among tea estate pregnant women in Cluster 4 & 5 while the objectives are: -

- To identify barriers and facilitators for IFA intake by pregnant women.
- To explore social and cultural norms and beliefs associated with dietary practices in pregnant women
- To understand the utilization of deworming drugs among pregnant women

As part of this study, in-depth interviews and focus group discussions were conducted with various tea garden people groups in the community.

COMMUNITY-BASED DEATH REVIEWS:

Community based death reviews provide information on medical, social and health system factors that may have contributed to the deaths and should be addressed to redress gaps in service provision and utilization. Last year, we conducted 8 community-based death reviews in Lowairpoa Block which included 6 maternal deaths ,1 infant death and 1 neonatal death.

MEDICAL CAMPS:

This year we started organizing regular medical camps in the neighboring villages mainly focusing in the areas where there is not much accessibility for primary health care. People who require further intervention were referred to base hospital for further management. Four medical camps were organized covering about 451 patients.



PNC Home visit by field staff



In-depth Interview with ASHA worker



Focus group discussion with pregnant mothers

Visitors:

1. Dr. Daniel Gnanadurai, Consultant (Surgeon) from 27th March 2022 to 20th April 2022
2. Dr. Prasanna Gnanadurai, Consultant - OBG from 27th March to 8th April 2022.
3. Dr. Pankaj Christopher and family, 29th March 2022 to 5th April 2022
4. Dr. Sharon (OBG) from CMC Vellore from 7th April to 1st May 2022
5. Mr. Jamlenmang Kilong, CMAI on 12-13 April 2022
6. Mrs. Dr. Angela (Dr. Jude's mother) and Mrs. Shantham 13-17 April
7. Dr. Atul (Plastic Surgeon) from CMC Vellore from 16th April to 1st May 2022.
8. Dr. Rati Ranjan, Agartala EGF as Palm Sunday speaker, on 9th April 2022
9. Dr. Cijoy, Passion week Speaker, 10-17 March 2022
10. Drs. Roney & Reeba, 24 -29 April 2022
11. Dr. Chinny, Paediatric Surgeon & family 24-30 April 2022
12. Dr. Vishnu from AIIMS Delhi 28-30 April 2022
13. Mr. James Debbarma UESI staff from Diphu, Assam with 3 guys April 29-1 May 2022
14. SHP students from CMC Vellore, 15-21 May 2022, 3 girls & 3 boys
15. Internship program from Shalom Bible Seminary (SBS), Kohima from 3rd May for 40 days - 2 girls & 2 boys
16. Makunda High School NCC teachers from Karimganj on 9-14 May 2022
17. Sachin Tendulkar Foundation SRT (1 male & 1 female) on 11-12 May 2022
18. STP engineers from 19th May 2022
19. Dr. Align Tom (OBG) from CMC Vellore w.e.f. 2nd July 2022 (1/12)
20. Dr. Rohi, Paediatrics from CMC Vellore w.e.f. 8/9 July 2022 (1/12)
21. Dr. Samsul, Joint Director, Health services, Karimganj district and Dr. Rafikul Islam, Superintendent, Karimganj Civil Hospital visited us on 16th June 2022.
22. Dr. Denyl Avinash Joshua, Medical Director, Adventist Hospital, Garo Hills visited us for three days- 28-30 June 2022
23. Ms. Neihat Haolai ACS, Block Development Officer, Lowairpoa graced the ceremony as Chief Guest and Mr. Momo Khartu as Guest of Honour.
24. Dr. Jayasree Chakraborty, Principal Pandit Deedayal Upadhyaya Adarsha Maharidyalaya, Eraligool, Karimganj, a govt model degree science college visited us on 8th July 2022
25. Dr. Vijay Bhaskar and Dr. Santi, 28 - 31 July 2022
26. Pastor Isaac Newton, who mentors our students at Trichy, 27-30 July 2022
27. Mr. Victor Emmanuel and Mrs. Sarah Victor, Soft skills for all staff 1-6 August 2022
28. Dr. Sarah (OBG) from CMC Vellore from 1st August 2022 for a month and her husband, Dr. Sam, w.e.f. 20th August 2022
29. Dr. Spandana and Ms. Sushma from Hyderabad (Microbiologist and Agriculture), 4-7 August 2022
30. Three scientists from NIN visited us from 1st to 5th September 2022
31. Mr. Shalom & Ms. Irene from CMC, Vellore visited us in September 2022

32. Mr. Peter & Mrs. Sally visited us from Family Seminar from September 7th to 23rd.
33. Dr. Sheela OBG from CMC, Vellore visited us in September.
34. Dr. Aleena (OBGY) and her mother Dr. Aleyamma Tk, Professor from CMC Vellore in October 2022
35. Brother Kiran and family and friends (missionary) in October
36. Dr. Vishaal from Andhra Pradesh, 24-27 October 2022
37. Mr. Jesudas (Dasmathy endowment fund), 11-14 November 2022
38. Sri. Vasanthan B., IFS, DFO Karimangj, the chief guest of Makunda High school, Annual Fest and cultural events on 14th November 2022
39. Mr. James Songate, guest of Makunda High school, Annual Fest and cultural events on 14th November 2022
40. Dr. Tove from Sweden, 2-16 December 2022 (two weeks)
41. Dr. ML Das from Guwahati, 10-12 December 2022
42. Dr. Mahesh and NIN team, 4-9 December 2022
43. Dr. Gayatri visited us 10th January 2022
44. Ms. Divya Prarthana John, Psychology student from Hyderabad w.e.f 7th Jan 2023 for one month
45. Dr. SK. Gaithouliu, MS (OBGY), 6-11 January 2023
46. Dr. Siama and Dr. Mary with their family from Mizoram from 9-11 January 2023.
47. Dr. Shabeer, DM, Neonatology, from CMC, Vellore w.e.f. 10th January 2023
48. Ms. Sweta Gupta, Azim Premji Foundation visited during January 16-19
49. Dr. Tejaswini, OBGY 10-31 December 2022
50. Mr. Stephen, Radiographer, CMC Vellore for 3-17 January 2023 (2 weeks)
51. Dr. Kim Platte, KIT, Dutch resident for six months 23rd January 2023
52. Dr. Martha, from Netherlands for 6 weeks. 23rd January 2023
53. Dr. Hlutei, Dr. Brenda and their friend from Aizawl 30th January -1st February 2023
54. Dr. David Joy, Family Medicine from CMC Vellore . 31st January 2023
55. Dr. Nidhi Elizabeth Cherian and Dr. Andrew Moses, Consultant (OBGY) from CMC Vellore, 31st January 2023
56. Mr. George, EMFI staff worker on 9th February 2023
57. Dr. Ashita, from Chinchipada, Palliative care on 22-25 February 2023

ANNEXURE – A

LIST OF STAFF APPOINTMENTS, CONFIRMATION, SERVICE OBLIGATIONS, RESIGNATIONS AND TRANSFERS.

APPOINTMENTS

Sl No	Name	Designation	w.e.f	UMC
1	Dr. Tantanga Molhouwa	Medical Officer	01-04-2022	71/22/1
2	Mrs. L. Theresa Ngala	Staff Nurse (GNM)	01-04-2022	71/22/2
3	Ms. Teresa Lalbiaktlingi	Staff Nurse (GNM)	01-04-2022	71/22/3
4	Ms. Risenti Reang	Staff Nurse (GNM)	01-04-2022	71/22/4
5	Ms. Flora Hmar	Staff Nurse (GNM)	01-04-2022	71/22/5
6	Mrs. Ch. Ningkhupchong Aimol	Staff Nurse (B.Sc.N)	01-04-2022	71/22/6
7	Mrs. Jebapackiam R.	Research Officer	01-03-2022	71/22/7
8	Ms. Elizabeth Vanlalduhawmi	Laboratory Technician	01-04-2022	71/22/8
9	Mr. Athikho Loli	Staff Nurse (B.Sc.N)	11-04-2022	92/22/1
10	Ms. Chongthenkim Khongsai	Staff Nurse (GNM)	14-04-2022	92/22/2
11	Ms. Christina Lalhriatdiki	Staff Nurse (GNM)	18-04-2022	92/22/3
12	Ms. Sumsangzo Puruolte	Nurse midwife (ANM)	12-05-2022	92/22/4
13	Mrs. Jhorna Syrti	Graduate Teacher	01-04-2022	92/22/5
14	Mrs. Aitimon Pohsnem	UG Teacher	01-04-2022	92/22/6
15	Ms. Darihun Pohsnem	UG Teacher	01-04-2022	92/22/7
16	Mrs. Marleki Suchiang	UG Teacher	01-04-2022	92/22/8
17	Ms. Rupasree Rabidas	Graduate Teacher	01-04-2022	92/22/9
18	Mrs. Roslyn Rilule Daime	UG Teacher	01-04-2022	92/22/10
19	Ms. Sushma Debbarma	Health Assistant (Diploma)	01-04-2022	92/22/11
20	Ms. Lalparmoy Halam	Health Assistant (Diploma)	01-06-2022	92/22/12
21	Mr. Riskhem Malang	Lab Tech (D.MLT)	02-05-2022	93/22/1
22	Mr. Lalsiemlien Halam	IT support staff	11-04-2022	93/22/2
23	Dr. Rebecca Yanadi	Consultant (MD)	06-06-2022	119/22/1
24	Dr. Lalruatsaka Bawihlung	Medical Officer	13-06-2022	119/22/2
25	Dr. Khrielazo Bob Rutsa	Medical Officer	13-06-2022	119/22/3
26	Dr. Fevin Basil James	Medical Officer	15-06-2022	119/22/4
27	Mr. Elumalai M.	IT Engineer	05-06-2022	119/22/5
28	Mr. Sahin G.	Post-Graduate Teacher	02-06-2022	119/22/6
29	Mr. Daniel Anandaraj	Post-Graduate Teacher	09-06-2022	119/22/7
30	Mr. Riskhem Malang	Lab Tech (D.MLT)	01-06-2022	119/22/8
31	Ms. Lucy Kaipeng	Staff Nurse (GNM)	06-06-2022	120/22/1
32	Ms. Rosna Hrangkhawl	Staff Nurse (GNM)	13-06-2022	120/22/2
33	Ms. Rupu Debbarma	Staff Nurse (GNM)	13-06-2022	120/22/3
34	Mr. Franklyne Dhayalan A	Consultant (Electrical Er.)	27-06-2022	145/22/1
35	Dr. Abhay Joseph	MBBS	11-07-2022	145/22/2
36	Dr. N. Hang Suan Hau	MBBS	16-07-2022	145/22/3
37	Ms. Dewanki K. Dhar	Teacher	14-07-2022	145/22/5
38	Ms. Amrita Molsom	Staff Nurse (GNM)	19-07-2022	168/22/1

39	Ms. N. Nem Ngaih Lian	B.Sc.N	08-08-2022	168/22/2
40	Ms. Kimneihmawii Lhoujem	GNM	01-08-2022	169/22/1
41	Ms. Sumchungle Lee Halam	GNM	01-08-2022	169/22/2
42	Ms. Kansi Molsom	GNM	15-08-2022	169/22/4
43	Ms. Marthi Rokhum	GNM	19-08-2022	169/22/5
44	Ms. Lalramsem Halam	ANM	01-08-2022	169/22/3
45	Ms. Banrilang Dhar	Social worker	08-08-2022	168/22/7
46	Mr. Abin Mixo B	Civil Engineer	09-08-2022	168/22/8
47	Mr. Mrinal Kantidas	General worker	01-09-2022	168/22/9
48	Mrs. Vanlalruati	General worker	01-09-2022	168/22/10
49	Mr. Kulachandra Singha	General worker	01-09-2022	168/22/11
50	Ms. Melita Mukhim	General worker	01-09-2022	168/22/12
51	Mr. Abraham Halam	General worker	01-09-2022	168/22/13
52	Mr. Biju Goala	General worker	01-09-2022	168/22/14
53	Mr. Ranjit Shuklabaidya	General worker	01-09-2022	168/22/15
54	Mr. Aftab Uddin	General worker	01-09-2022	168/22/16
55	Mr. Nishit Ranjan Das	General worker	01-09-2022	168/22/17
56	Mr. Madan Singh	General worker	01-09-2022	168/22/18
57	Dr. K. Sharon Keziah	MBBS	22-08-2022	189/22/2
58	Dr. V. Bhavika Suvidha	MBBS	22-08-2022	189/22/3
59	Dr. G. Jyothsna Supriya	MBBS	22-08-2022	189/22/1
60	Dr. Rehungeule	MBBS	29-08-2022	189/22/4
61	Dr. Singam. Pranay	MBBS	09-07-2022	189/22/5
62	Mrs. Rumi Singha	ANM	09-01-2022	189/22/6
63	Mrs. Dipa Rani Das	DHA	15/08/2022	189/22/7
64	Ms. Tage Ampa	B.Pharm	09-10-2022	189/22/8
65	Mr. Joseph Lalditsak	Civil Engineer	09-02-2022	191/22/1
66	Mrs. D. Lekha	Teacher	16/08/2022	191/22/2
67	Ms. Rupu Debbarma	Staff Nurse (GNM)	13-Jun-22	208/22/1
68	Ms. Rosna Hrangkhawl	Staff Nurse (GNM)	13-Jun-22	208/22/2
69	Ms. Lucy Kaipeng	Staff Nurse (GNM)	13-Jun-22	208/22/3
70	Mrs. Prabha P.	Senior Nurse Officer (M.Sc.N. OBGY)	21-Sep-22	208/22/4
71	Ms. Zononlokhi Halam	Librarian	12-Sep-22	208/22/5
72	Mr. P. Selvin Jacob	Electrician	20-Oct-22	208/22/6
73	Mr. Daniel Ajoy	MPH (ARC)	20-Oct-22	208/22/7
74	Dr. L. Philip Varay	Medical Officer	11-Nov-22	234/22/1
75	Dr. Kansouwa Koring	Medical Officer	11-Nov-22	234/22/2
76	Ms. Imtisangla	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/3
77	Ms. Kaikho Athine	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/4
78	Ms. Atsei Sopfunuo	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/5
79	Ms. Jenin Kath	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/6
80	Ms. Laxmi Dakua	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/7
81	Ms. Rachel Mero	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/8
82	Ms. Ruth Magh	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/9
83	Ms. Sherly Suchen	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/10
84	Ms. Sneha Daimary	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/11
85	Ms. Suhana Akta	Staff Nurse (B.Sc.N)	01-Dec-22	234/22/12

86	Ms. Lalrindiki	Laboratory Technician	01-Dec-22	234/22/13
87	Ms. Phunbumkhon Halam	Lab Tech (D.MLT)	01-Nov-22	234/22/14
88	Ms. Debora Lalnunmawi Hmar	Research Data Entry Operator	24-Oct-22	234/22/15
89	Ms. Miranda Suting	Physician Assistant	09-Nov-22	234/22/16
90	Ms. Ringhoijon Halam	Staff Nurse (GNM)	01-Dec-22	234/22/17
91	Mr. Joseph Lalditsak	Civil Engineer	01-Dec-22	253/22/1
92	Ms. Parismita Pando	Staff Nurse (B.Sc.N)	08-Dec-22	253/22/2
93	Ms. Kimneihmawii Lhoujem	Staff Nurse (GNM)	01-Oct-22	253/22/3
94	Ms. Sumchungle Halam	Staff Nurse (GNM)	01-Oct-22	253/22/4
95	Ms. Lalramsem Halam	Nurse midwife (ANM)	01-Oct-22	253/22/5
96	Ms. Marthi Rokhum	Staff Nurse (GNM)	19-Aug-22	253/22/6
97	Ms. Kansi Molsom	Staff Nurse (GNM)	15-Aug-22	253/22/7
98	Mr. Generous Reang	Lab. Assistant	01-Jan-23	253/22/8
99	Mr. Anthangram Halam	Lab. Assistant	01-Jan-23	253/22/9
100	Ms. R.S.L Biakmawii	Laboratory Technician	01-Jan-23	5/23/1
101	Mr. Ritchie More Siangshai	Staff Nurse (P.B.B.Sc.N)	01-Jan-23	5/23/2
102	Ms. Hrangliangnguri Lushai	Staff Nurse (GNM)	01-Jan-23	5/23/3
103	Ms. Linda Surjipari	Staff Nurse (GNM)	09-Jan-23	5/23/4
104	Ms. Grace Rokhum	Staff Nurse (GNM)	09-Jan-23	5/23/5
105	Ms. Pfolkreni Kajiini	Staff Nurse (B.Sc.N)	19-Jan-23	5/23/6
106	Ms. R. Paveinai Hillyrose	Staff Nurse (B.Sc.N)	19-Jan-23	5/23/7
107	Ms. Rhonbeni Valentina Humtsoe	Staff Nurse (B.Sc.N)	30-Jan-23	28/23/1
108	Ms. Sashmi Gurung	Staff Nurse (B.Sc.N)	30-Jan-23	28/23/2
109	Ms. Pazhuni Aruju	Staff Nurse (B.Sc.N)	30-Jan-23	28/23/3
110	Ms. W. Shanti	Staff Nurse (B.Sc.N)	08-Feb-23	28/23/4
111	Ms. Neli Ashane	Staff Nurse (B.Sc.N)	21-Feb-23	28/23/5
112	Ms. Lalremsangi	Staff Nurse (GNM)	01-Feb-23	28/23/6
113	Ms. C.Lalnunhlui	Staff Nurse (GNM)	01-Feb-23	28/23/7
114	Ms. Lalawmpuii Darlong	Staff Nurse (GNM)	08-Feb-23	28/23/8
115	Ms. Duhita Reang	Nurse midwife (ANM)	28-Jan-23	28/23/9
116	Ms. Etimon lakai	Radiographer (B.RIT)	19-Jan-23	28/23/10
117	Ms. Ramengmawii	Radiographer (D.RIT)	01-Feb-23	28/23/11
118	Mr. Starlingson Suchen	Lab Tech (D.MLT)	01-Feb-23	28/23/12
119	Ms. Onisha Reang	Clerk	01-Mar-23	58/23/2

RESIGNATION

Sl No	Name	Designation	DoJ	w.e.f	UMC	Reason
1	Mr. Sundara Pundiyan	Laboratory Technician	30-09-2020	01-05-2022	74/22/1	Personal
2	Ms. Puspabati Singha	Nurse Midwife	01-05-2021	01-05-2022	74/22/2	Completion of Service Obligation
3	Dr. Arul Rajasundar	Medical Officer	01-01-2022	01-04-2022	74/22/3	Completion of committed duration 3/12

4	Dr. Shajin T	Consultant (Paediatric)	15-07-2017	15-06-2022	98/22/1	Completion of Service Obligation
5	Dr. Carolin Solomi V.	Consultant (OBG)	15-07-2017	15-06-2022	98/22/2	Higher study
6	Dr. Angelus Bharathi Jude	Medical Officer	25-08-2020	29-04-2022	98/22/3	Higher study
7	Dr. Sharon Rose Nadar	Medical Officer	17-01-2022	20-05-2022	98/22/4	Higher study
8	Ms. Imebada Mukhim	Staff Nurse (B.Sc.N)	18-02-2020	31-08-2022	122/22/1	Higher study
9	Ms. Dolma Lalenkawli	Staff Nurse (GNM)	12-08-2020	12-08-2022	122/22/2	Completion of Service Obligation
10	Mr. Pawan Kumar Sharma	Teacher	03-05-2011	28-05-2022	122/22/3	got Govt. job
11	Dr. Aldrin Debbarma	Consultant-Family Medicine	05-03-2021	15-08-2022	147/22/1	Personal
12	Ms. Saloni Kshirsagar	B.Sc. Occupational Therapy	31-08-2020	04-08-2022	147/22/2	Completion of Service Obligation
13	Ms. Tribeni Chakraborty	Nurse Midwife	01-05-2022	30-09-2022	147/22/4	Completion of Service Obligation
14	Dr. Vijay Anand Imavel	Senior Consultant	03-03-1993	30-11-2021	147/22/5	Personal
15	Dr. Ann Miriam	Consultant	03-03-1993	31-10-2021	147/22/6	Personal
16	Mrs. Lalhmunsiami	Nurse Midwife	03-12-2012	11-07-2022	147/22/7	Personal
17	Ms. Jochunye Kesen	Staff Nurse (B.Sc.N)	01-11-2021	21-07-2022	171/22/1	got Govt. job at Nagaland
18	Ms. Rebeca Tep	Staff Nurse (B.Sc.N)	01-11-2021	21-07-2022	171/22/2	got Govt. job at Nagaland
19	Ms. Grace Mech Das	Staff Nurse (B.Sc.N)	01-11-2021	05-11-2022	171/22/3	better job opportunity
20	Ms. Kimngaijou Singson	Nurse Midwife	01-05-2021	01-10-2022	171/22/4	Higher study
21	Mrs. Roslyn Molshoy	Nurse Midwife	25-02-2014	20-09-2022	171/22/5	Higher study
22	Dr. Thikkavarapu Karthika	Medical Officer	05-08-2021	06-09-2022	171/22/6	Personal
23	Mr. Islam Khan	General Worker	01-04-2016	04/31/2022	95/22/41	Personal
24	Ms. Zarzotling	ANM	01-04-2019	08-10-2022	195/22/1	got Assam Govt. job
25	Ms. Oyam Dai	B.Pharm	29-03-2021	31/08/2022	195/22/2	got Arunachal Govt. job
26	Dr. Brenda Lalhmachhuani	MBBS	22-09-2021	09-08-2022	195/22/3	Personal
27	Ms. Lalpamoy Halam	DHA	01-06-2022	09-02-2022	195/22/4	Personal
28	Ms. Aibansi Rani	GNM	22-03-2021	30/09/2022	195/22/5	Personal
29	Ms. Medalin Malngiang	GNM	17-03-2022	09-08-2022	195/22/6	Personal
30	Ms. D.Khansiliu	B.MLT	14/9/2020	30/09/2022	195/22/7	Personal

31	Ms. Ruby Rethna Priya P.	M.Sc.N (Paed.)	02-09-2021	24/09/2022	195/22/8	Personal
32	Ms. Kembi Basar	M.Sc.N (Community)	08-Jan-21	28/02/2023	214/22/1	Personal
33	Ms. Kripa Mathew	Staff Nurse (B.Sc.N)	21-Nov-20	30-Nov-22	214/22/2	Completion of Service Obligation
34	Ms. Rajuseno	Staff Nurse (B.Sc.N)	11-Feb-20	30-Nov-22	214/22/3	Personal
35	Ms. Takheuyile Newme	Nurse Midwife	01-May-21	15-Dec-22	214/22/4	Completion of Service Obligation
36	Ms. Insingle Riame	Nurse Midwife	01-May-21	15-Dec-22	214/22/5	Completion of Service Obligation
37	Ms. Rillalhui Ranglong	Health Assistant	01-Oct-21	21-Nov-22	214/22/6	Personal
38	Mr. Romeo Haram	Lab. Assistant	01-Oct-20	20-Sep-22	214/22/7	got Assam Govt. job
39	Mr. V. Sivapavitrn	IT Engineer	20-Oct-21	30-Nov-22	214/22/8	Personal
40	Dr. Korukonda Tejaswini	Medical Officer	13-Dec-21	12-Nov-22	238/22/1	Personal
41	Ms. Ramtharmawi Hmar	Nurse Midwife	01-May-21	30-Nov-22	238/22/2	Personal
42	Ms. Easter P. Hurray	Staff Nurse (B.Sc.N)	05-Sep-19	13-Jan-23	238/22/3	Personal
43	Mr. Lalhminglua	Radiographer (D.RIT)	16-Oct-21	08-Dec-22	238/22/4	got Mizoram Govt. job
44	Dr. Lalruatsaka Bawihlung	Medical Officer	13-Jun-22	04-Jan-23	256/22/1	NEET prepaton
45	Dr. Khrielazo Bob Rutsa	Medical Officer	13-Jun-22	12-Jan-23	256/22/2	NEET prepaton
46	Mr. Sudarsan Kumar	Laboratory Technician	22-Mar-21	31-Dec-22	256/22/3	Higher study
47	Ms. Rosna Hrangkhawl	Staff Nurse (GNM)	13-Jun-22	20-Dec-22	256/22/4	Personal
48	Mrs. Mawidini Reang	Health Assistant	01-Dec-17	23-Dec-22	256/22/5	Personal
49	Ms. Kitimen Jamir	Staff Nurse (B.Sc.N)	01-Nov-21	28-Feb-23	256/22/6	Personal
50	Ms. Parismita Pando	Staff Nurse (B.Sc.N)	08-Dec-22	03-Jan-23	8/23/01	Health Issue
51	Ms. Rupu Debbarma	Staff Nurse (GNM)	13-Jun-22	03-Feb-23	8/23/02	Personal
52	Ms. Dawlirung Reang	Health Assistant	01-Dec-17	16-Jan-23	8/23/03	Personal
53	Ms. N. Adaziia Koshu	Staff Nurse (GNM)	16-Jan-21	31-Jan-23	8/23/04	Completion of Service Obligation
54	Ms. Kyrmen Pothmi	Staff Nurse (GNM)	21-Jan-21	31-Mar-23	8/23/05	Higher study
55	Dr. Joshua Jaberson Wesley	Medical Officer	15-Feb-21	14-Feb-23	32/23/1	Completion of Service Obligation
56	Mr. Michael Baglari	Radiographer (D.RIT)	01-Oct-20	10-Feb-23	32/23/2	Got job at CIHSR
57	Ms. Lalawmpui Nampui	Staff Nurse (B.Sc.N)	01-Nov-21	28-Feb-23	32/23/3	Personal

58	Ms. Catherine Halam	Project Assistant	02-Nov-21	15-Jan-23	32/23/5	Personal
59	Ms. Sade Veera Lakshmi	Pharmacist (B.Pharm)	22-Mar-21	09-Mar-23	32/23/6	Personal

SERVICE OBLIGATION

Sl No	Name	Designation	w.e.f	UMC
1	Ms. Kurzhiparambil Tanmaiye Laya Jacob	Medical Sociologist (B.Sc.)	19-05-2022	94/22
2	Dr. Andrew David	MD (Paediatric)	15-06-2022	118/22/1
3	Ms. Zuri Zaneta B.	Neuro-electrophysiologist	26-05-2022	118/22/2
4	Ms. Julie Sumer	Post-Graduate	04-07-2022	145/22/4
5	Ms. Etulang Suchen	Teacher	14-07-2022	145/22/6
6	Ms. Thelinda Suchiang	Teacher	14-07-2022	145/22/7
7	Dr. Samuel Sunder Singh	MD (Medicine)	09-07-2022	190/22
8	Ms. Sherly Suchen	Staff Nurse (B.Sc.N.)	01-Nov-22	190/22
9	Ms. Geeta Rai	Staff Nurse (GNM)	01-Feb-23	33/23/1
10	Ms. Larbin Rabha	Staff Nurse (GNM)	01-Feb-23	33/23/2
11	Mr. Mohila Reang	Radiographer (D.RIT)	01-Feb-23	33/23/3
12	Ms. Lalrinchani	Staff Nurse (P.B.B.Sc.N)	01-Feb-23	33/23/4

CONFIRMATION

Sl No	Name	Designation	w.e.f	UMC
1	Mr. Engthakima Darlong	PG Teacher (Sociology)	01-04-2022	73/22/1
2	Mr. Joinskhem Dhar	Graduate Teacher	01-04-2022	73/22/2
3	Mr. Morningstar Pohsnem	Graduate Teacher	01-04-2022	73/22/3
4	Ms. Levis Dhar	Graduate Teacher	01-04-2022	73/22/4
5	Mrs. Ruthi Lalremkim	Nurse Midwife (ANM)	11-04-2022	97/22/1
6	Ms. Shila Pashi	Nurse Midwife (ANM)	22-03-2022	97/22/2
7	Ms. Elbethel Lalsanringi Lalsim	Nurse Midwife (ANM)	05-05-2022	97/22/3
8	Ms. Nemhoitheng Singson	Nurse Midwife (ANM)	05-05-2022	97/22/4
9	Ms. Ngahnei Changsan	Nurse Midwife (ANM)	05-05-2022	97/22/5
10	Ms. Ngaibang Rody Lalsim	Nurse Midwife (ANM)	05-05-2022	97/22/6
11	Ms. Zarzotling	Nurse Midwife (ANM)	05-05-2022	97/22/7
12	Mr. Abdul Hoque	General Worker	01-04-2022	97/22/8
13	Ms. Kiirii Diana Ningbitin	Staff Nurse (B.Sc.N)	14/9/2022	194/22
14	Mr. Jeff Lalremruata Chorai	Pharmacist (M.Pharm)	01-Oct-22	212/22
15	Ms. K. Malsawmtluangi	Staff Nurse (P.B.B.Sc.N)	31-Oct-22	237/22
16	Ms. Jessica Mukhim	DMRD	21-Dec-22	7/23/01
16	Mr. Maybornroy Thma	OT Technician	05-Dec-22	7/23/02

17	Ms. Prajapliani Halam	Health Assistant	15-Jan-23	7/23/03
18	Ms. Ibathiang Jungai	Staff Nurse (GNM)	07-Dec-22	7/23/04
19	Ms. Kensiliu	Staff Nurse (B.Sc.N)	07-Dec-22	7/23/05
20	Ms. Lalmuanpuui	Health Assistant	01-Dec-22	7/23/06
21	Ms. Laxmi Chorei	Health Assistant	01-Jan-23	7/23/07
22	Mr. Joymon Sumer	General Worker	01-Dec-22	7/23/08
23	Ms. Merciful Sumer	Staff Nurse (GNM)	01-Mar-23	31/23/1
24	Mr. Mecklyash K. Marak	Radiographer (B.RIT)	01-Mar-23	31/23/2
25	Ms. Lienringhoi Chorei	Health Assistant	01-Feb-23	31/23/3
26	Dr. Benedicta Sthuti Sujaya Kumar	Medical Officer	19-Mar-23	61/23

TRANSFERS

SI No	Name	Designation	w.e.f	UMC	From	TO
1	Ms. Prajapliani Halam	Health Assistant (Diploma)	01-May-22	66/22/1	Madhepura	Makunda
2	Ms. Laxmi Chorei	Health Assistant (Diploma)	01-May-22	66/22/2	Madhepura	Makunda
3	Mr. Nilanjan Misra	Staff Nurse (B.Sc.N)	01-Aug-22	172/22/1	Makunda	Madhepura
4	Mrs. Rechal Namdev	Staff Nurse (GNM)	01-Aug-22	172/22/2	Makunda	Madhepura
5	Ms. Vanlalmuani	HR Manager	01-Sep-22	172/22/3	Chhinchipada	Makunda
6	Dr. Kiran Kispotta	Consultant	07-Jan-23	23-10-2001	Prem Jyoti, Jharkhand	Makunda

RETIREMENT

Sl. No	Name of the staff	Dept	Date of joining	Date of retirement	UMC
1	Mr. Sukubahadur Thapa	Agriculture	01-Mar-93	20-Jan-23	23-11-2001
2	Mrs. Anjali Thapa	General worker	01-Mar-93	02-Feb-23	23-11-2002

ANNEXURE – B

LIST OF TRAINING, WORKSHOPS AND CONFERENCES BY STAFF

- I. Hearing aid training on 22 & 23 March 2022
 - a. Ms. Jasmine Susan Koshy, Nursing Superintendent
 - b. Ms. Denling Khartu
 - c. Mr. Justin D., Bio-medical Engineer
 - d. Ms. Sahera Nessa, DHA
 - e. Mrs. Zeirilnei Halam, DHA
2. 12 staff attended training by Vitamin Angels on 31 March 2022
3. Ward incharges training at CMC Vellore, organized by CMAI w.e.f. 4-9 July 2022.
 - a. Mrs. Veronica Mukhim
 - b. Mrs. Sukla Rani Halam
 - c. Mrs. Lotirung Molshoy
 - d. Mrs. Sabitri Singha
4. Dr. Molhouwa Tangtanga and Ms. Kembi Basar attended training on Integrated Road Accident Database (iRAD) at Karimganj District hospital on 20th July 2022
5. ARC staff training at CMC Vellore, 23-27 July 2022
 - a. Dr. Roshine Mary Koshy
 - b. Mrs. Rachel Belda Raj
 - c. Ms. Ciinhoihkim
 - d. Ms. Priya Mary Jacob
 - e. Mrs. Zonunsangi
6. Online volunteers training in Palliative care 23-25 September 2022
 - a. Mr. N. Roben Singh (Chaplain)
 - b. Ms. Banrilang Dhar (BSW)
7. Official leave for Dr. Roshine Mary Koshy and Ms. Jasmine Susan Koshy to attend “Retreat for Leaders” at Asha Kiran Hospital campus in Lamtaput, Koraput Dist in South-West Odisha from 18th – 22nd November 2022
8. Official leave for Ms. Sasomchun Halam, Mr. N. Roben Singha and Ms. Banrilang Dhar to attend Palliative course at Dehradun from 27th November to 6th December 2022.
9. Basic Newborn Resuscitation Training Program was conducted on 2nd December 2022,
 - a. Ms. Sneha Daimary
 - b. Ms. Atsei Sopfunuo
10. CMAI ward in-charges training on . 13th February 2023.
 - a. Ms. Kiirii Diana Ningbitin, Septic ward
 - b. Ms. Elbethel Lalsanringi Lalsim, Surgical ward
 - c. Ms. Lipui Halam, Postnatal ward
 - d. Ms. Manikka, Medicine ward
 - e. Mrs. Lalnunmawii Hrangkhawl, Ambassa

11. Mr. Lienlallien Halam, Physiotherapist, a workshop on "Manual Therapy on Musculoskeletal System" at Guwahati from 18-20 February 2023 organised by Dr. Vijay Kumar (PT), CLM Bone setting specialist (Malaysia)
12. Mr. Pranjal Christopher and Mrs. Nitika Sindhwal attended a one day workshop on intellectual and developmental disabilities organised by department of developmental disabilities, at CIHSR, Dimapur on 13 & 14 February 2023.
13. Ms. Denling Khartu, Ms. Deimaia Emi Lyngdoh and Ms. Zononlokhi, for CNE to Dimapur and Tezpur from 8-17 March 2023
14. Mr. Daniel Anandaraj, is invited by St. Andrew High School, Bor-Town Jonglei state, South Sudan to help the School system (pedagogy and curriculum) for a period of three months w.e.f. February to May 2023.

Consultants/Resource person:

15. Dr. Nalli Chandan attended Institute of Medical Missions at Ashakiran hospital, Lamptaput, Odisha from 5-11 April 2022 as resource person
16. Dr. Nalli Chandan attended as resource person for Medical Mission Conference organized by EMFI on 01-03 May 2022 at Visakhapatnam, Andhra Pradesh
17. Dr. Starlin Vijay Mythri, Consultant (Psychiatry) attended Institute of Medical Missions at Ashakiran hospital, Lamptaput, Odisha from 6-9 March 2022 as resource person
18. Dr. Starlin Vijay Mythri, Consultant (Psychiatry) attended the ANT - The Action Northeast Trust at their central campus in Rowmari village, Borobazar taluk, Chirang district, Assam for Mental Illness Treatment Alliance (MITA) advisors meeting from 27th-29th March 2022
19. Dr. Starlin – is invited to contribute for an online course - An introduction to neuroelectronic systems.
20. Dr. Shajin T. attended NRP workshop on 29th April 2022 at Dibrugarh as an Observer
21. Dr. Shajin T. took part as a panelist in this healthcare conclave, organised by IIT Madras - HTIC on 13th June 2022
22. Dr. Shajin T. – attended TOT of assessors to do the accreditation of NICU's organized by NNF on 11th July 2022

ANNEXURE – C

LIST OF CANDIDATES SPONSORED FOR HIGHER EDUCATION

1. Dr. Justin G. John, MS (Ortho) at CMC Vellore
2. Dr. David Paul Hechhula, MD (Anesthesiology) at CMC Vellore
3. Dr. Anagha S. David, Family Medicine at CMC Vellore
4. Mr. Lovelymon Lamin, M.Sc.N (Medical-Surgical) at CMC Vellore
5. Mrs. Angela Joan, M.Sc.N (Child Health) at CMC Vellore
6. Ms. Dorcas Gassah, M.Sc.N (Child Health) at CMC Vellore
7. Ms. Rebekah Vincent, M.Sc.N (OBGY) at CMC Vellore
8. Ms. Imebada Aishisha Mukhim, M.Sc.N (Paediatric) at CMC Vellore
9. Ms. Lalruatfeli, P.B.B.Sc.N at CMC Vellore
10. Ms. Merry Halam, B.Sc.N at Christian Fellowship Hospital, Oddanchatram, Tamil Nadu
11. Ms. Nahlang Papang, B.Sc.N at Christian Fellowship Hospital, Oddanchatram, Tamil Nadu
12. Ms. Bethsheba Mukhim, GNM in Bangalore Baptist Hospital
13. Ms. Resme Sungoh, GNM in Bangalore Baptist Hospital
14. Ms. Bayomika Sutnga, GNM, Burrows Memorial Christian Hospital, Alipur, Assam
15. Mr. SK. Obedient, B.RIT at Downtown University Guwahati.
16. Mr. Dameswa Pala D.MIT (three years course) at Bangalore Baptist Hospital.
17. Mr. Elasma Lyngdoh, D. Electrical engineer at Christian Polytechnic College, Oddanchatram, Tamil Nadu
18. Mr. Alvish Halam, M.Sc. Mathematics at Bishop Heber College, Tamil Nadu
19. Mr. Pynshngai Sumer, M.Com. at Bishop Heber College, Tamil Nadu
20. Mr. Samuel Reang, B.Chemistry. at Bishop Heber College, Tamil Nadu
21. Mr. Toikhourai Reang, B.A.Political Science at Holy Cross, Agartala, Tripura
22. Mr. Comely Gassah, PGD in Hospital Administration, Tata Institute of Social Science, Mumbai