

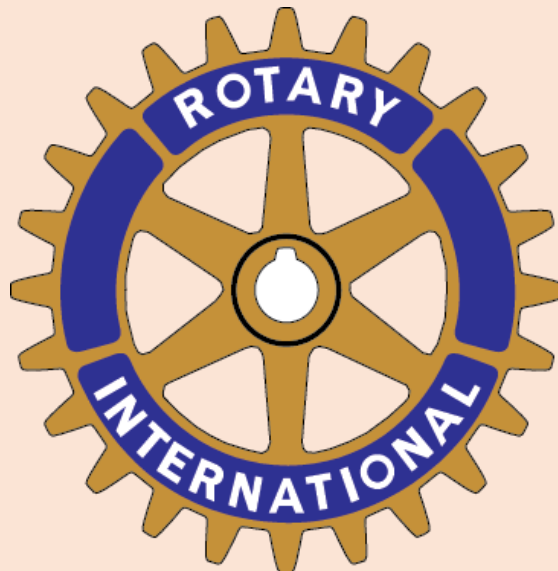


ROTARY INTERNATIONAL GLOBAL GRANT PROJECTS AT TMC & RCH

Projects Summary January, 2019 – June, 2022.

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Contents

Introduction.....	2
TMSS Medical College Jahanara & Jillur Eye Care Center (GG# 1872446).....	3
Prosthetic and Orthotic Limb Center (Artificial Limb Center), GG# 1990650.....	5
Rotary-TMSS COVID-19 Testing and Treatment Centre, Bogura (GG# 2014537).....	7
Capacity Building of ICU units for Covid 19 patients in TMC&RCH, Bogura (GG 2015916).....	9
Rotary - Dr. Mozaffar Rahman Cancer Detection Centre, in TMSS, Thengamara, Bogura (GG# 2125002).....	11
Cardiac Screening Van for TMSS Medical College & Rafatullah Community Hospital (GG#2127429).....	14
ROTARY-TMSS DNA Sequencing Lab for Cancer Targeted Therapy (GG# 2232664)	15
CONCLUSION.....	16

Introduction

The Rotary Foundation is a charitable organization that supports the efforts of Rotary International to do good in the world and peace through international humanitarian, educational, and cultural exchange programs. Under the Matching Grant Program, Rotary Foundation donates necessary grants to build support for the vulnerable population of the community.

TMSS is a non-government, non-profit social development organization. The main goal of TMSS is family development through Women's Empowerment. One of the major activities of TMSS is healthcare services, which is implemented through 850 Bed TMSS Medical College & Rafatullah Community Hospital (TMC&RCH). The main objective of TMC&RCH is to provide treatment at an affordable cost to the underprivileged population.

The Late Rotarian Ali Mahbub and his family contributed major grants for the healthcare projects of TMSS supported by the Rotary Foundation. Rtn. Ali Mahbub donated for the eye care project and his wife Mrs. Gul Afroze Begum donated for Dr. Mozaffar Rahman Cancer Detection Centre & his daughter Mituli Mahbub donated for Cardiac Van through the Rotary Club of Ramna. Rotary District 3282 is responsible for the projects.

In collaboration with the Rotary Foundation, Rotary Club of Ramna, Rtn. Ali Mahbub & his family, Rotary Club of Bogura and TMSS implemented the following projects:

1. TMSS Medical College Jahanara & Jillur Eye Care Center (GG# 1872446)
2. Prosthetic and Orthotic Limb Center (Artificial Limb Center), GG # 1990650
3. Rotary-TMSS COVID-19 Testing and Treatment Centre, Bogura (GG # 2014537)
4. Capacity Building of ICU units for Covid 19 patients in TMC&RCH, Bogura (GG # 2015916)
5. Rotary - Dr. Mozaffar Rahman Cancer Detection Centre, in TMSS, Thengamara, Bogura (GG # 2125002)
6. Cardiac Screening Van for TMSS Medical College & Rafatullah Community Hospital
7. Rotary-TMSS DNA Sequencing Lab for Cancer Targeted Therapy (GG # 2232664)

TMSS Medical College Jahanara & Jillur Eye Care Center (GG# 1872446)

Project starting date: 1st January 2019

HOST SPONSOR: Rotary Club of Ramna, RID 3281 Bangladesh

INTERNATIONAL SPONSOR: Rotary Club of Bangalore Indiranagar, RID 3190 India

Justification/Rationality

Eye care facilities in Northern Bangladesh are inadequate. Facilities for cataract is not enough with the gradual number of increased cataract patients yearly, in this region. Moreover, there are no facilities for retinal disorders and glaucoma treatment. For this purpose, the patients go to Dhaka and even to India. The availability of advanced eye care centers in this region serves underprivileged citizens.

Goal & Objectives

Preventing blindness by creating awareness, screening & early diagnosis, and management of ocular diseases.

Budget

US\$ 197250.00 equivalent to BDT. 16371750.00

Beneficiary

Underprivileged citizens of Bogura, Naogaon, Joypurhat & Gaibandha Districts.

Implementation Plan

- Procure all necessary equipment for the diagnosis and management of ocular diseases especially retinal diseases.
- Provide eye care training for physicians, nurses, paramedics, and community volunteers.
- Provide eye treatment through outreach eye camps, OPD, and IPD services.

Project Outcome

- All necessary equipment is procured, installed, and functioning.
- Eye Care Training: 300 nurses, medical assistants & paramedics, and community volunteers, 80 physicians, and 1 ophthalmologist.
- Total Outreach Camps: 36 & Total Patients served (screening): 33163
- Awareness on Eye care: 50201
- Total Patients received service at OPD: 44549
- Total Patients received service at IPD: 1993
- Total Ocular Investigations at OPD: 5866
- Total Minor Eye surgery: 901 & Major surgeries: 2721
- Free Eye surgery & spectacles: 367
- Total 72000 pieces of Leaflet/Brochure distributed for ocular awareness.

Inauguration of J&J Eye Project



Eye Awareness Camp



Eye Examination



Fundus Photography



Prosthetic and Orthotic Limb Center (Artificial Limb Center), GG# 1990650

Project starting date: 1st December 2019

HOST SPONSOR: Rotary Club of Ramna, RID 3281 Bangladesh

INTERNATIONAL SPONSOR: Rotary Club of Ilsan Jayuro, RID 3690 Korea

Justification/Rationality

Disabilities due to limb defects are considered pretty high in Bangladesh. This is due to birth defects, injuries including road traffic accidents, and other diseases. But there is no standard level 'Artificial Limb & Foot Care Center' in the northern region of Bangladesh. For this specialized care, people travel to Dhaka and spend a big amount of money to procure artificial limbs. Establishing an 'Artificial Limb and Foot Care Center' definitely will help the local people to get services within their affordability.

Goal & Objectives

Providing Prosthetic and Orthotic limbs at nominal cost including services for polio and club foot patients of Northern Bangladesh, particularly the underprivileged.

Budget

US\$ 69500.00 equivalent to BDT. 5907585.00

Beneficiary

Underprivileged who need artificial limbs.

Implementation Plan

- Procure all necessary equipment, raw materials, and tools for establishing a manufacturing center for prosthetics and orthotics.
- Train the technicians of the limb center.
- Promotional activities for prosthetic & orthotic limb service through printed IEC materials.
- Provide prosthetic and orthotic limb services to the patients.

Project Outcome

- Established a standard workshop for prosthetic and orthotic limbs services.
- Trained 4 technicians of the limb center.
- Distributed 7500 leaflets for awareness and publicity.
- Provided prosthetic and orthotic limbs services to 712 beneficiaries; Prosthetics-155, Orthotics- 220, DV shoes- 53, Scanning, assessment, follow-up, casting=239, Assistive devices=45.

Patient with Artificial Limb Prosthesis



Technician Working in the Lab



Pediatric Patient Receiving Care



An Underprivileged Lady Receiving a Wheelchair



Rotary-TMSS COVID-19 Testing and Treatment Centre, Bogura (GG# 2014537)

Project starting date: 6th July 2020

HOST SPONSOR: Rotary Club of Ramna, RID 3281 Bangladesh

INTERNATIONAL SPONSOR: Rotary Club of Bombay Chamber West, RID 3141 India

Justification/Rationality

The COVID-19 transmission was confirmed in Bangladesh in March 2020. The Government of Bangladesh has given top priority to preventing the spread of COVID-19 and mortality but the pandemic continues to take a massive toll on human life due to the limitations of COVID-19 testing and treatment facilities in the country. As a least developed northern region of Bangladesh including Bogura, also witnessing the crisis of COVID-19 pandemic due to the same reasons. It was a great challenge to bring down the progression of the COVID-19. Establishing an RT-PCR covid testing lab and treatment center in the private sector is time demanding.

Goal & Objectives

- Early detection of COVID-19 to prevent further transmission.
- Early treatment of the COVID-19 patient to prevent mortality and complication.

Budget

US\$ 96880.00 equivalent to BDT. 8234800.00

Beneficiary

The beneficiary of the project is the citizens of the Bogura district and adjacent areas including the underprivileged.

Implementation Plan

- Establish RT-PCR Lab for testing COVID -19 cases in TMC&RCH, Bogura.
- Extend ICU services in TMC&RCH by adding ventilators, ICU beds, syringe pumps, cardiac and patient monitors for COVID 19 patients' treatment.
- Provide follow-up services at home.

Project Outcome

- Performed 40259 Covid-19 tests, out of which positive cases are 6805.
- 2927 admitted Covid-19 patients received treatment.
- 382 patients who received follow-up/post-COVID service.

COVID-19 Community Awareness



RT-PCR Sample Collection Booth



COVID-19 Patient receiving care



RT-PCR LAB



Capacity Building of ICU units for Covid 19 patients in TMC&RCH, Bogura (GG 2015916)

Project starting date: 10th July 2020

HOST SPONSOR: Rotary Club of Bogura, RID 3281 Bangladesh

INTERNATIONAL SPONSOR: Rotary Club of Vellore Fort, RID 3231 India

Justification/Rationality

The COVID-19 transmission was confirmed in Bangladesh in March 2020. The Government of Bangladesh (GoB) has given top priority to preventing the spread of COVID-19 and the mortality of victims but the pandemic continues to take a massive toll on human life due to the limitations of COVID-19 testing and treatment facilities in the country. With the direct support from Rotary International and Rotary Club Ramna TMC & RCH established RT-PCR Testing Lab and COVID-19 treatment center but, the ICU capacity was inadequate in comparison to complicated COVID-19 patients. So, patients trying to shift to other hospitals with ICU service and even to Dhaka. As a result, COVID-19 mortality raised. It is time demanding to increase the capacity of ICU at TMC & RCH.

Goal & Objectives

Providing ICU care to complicated Covid-19 patients.

Budget

US\$97500 equivalent to BDT. 8287500.00

Beneficiary

Complicated COVID-19 patients needing ICU care & support.

Implementation Plan

- Procure and install the equipment required for ICU care
- Provide training to nurses and assistants on critical care.

Project Outcome

- Enhanced ICU capacity by procuring and installing ventilators, ICU beds, high flow oxygen device, blood gas analyzer, infusion and syringe pumps, patient monitors & ECG machine
- Trained 27 nurses and 13 assistants on critical care.
- 173 Covid-19 patients received specialized care from ICU.

Training on ICU care



Training on ICU care



COVID-19 ICU



COVID-19 Patient in ICU



Rotary - Dr. Mozaffar Rahman Cancer Detection Centre, in TMSS, Thengamara, Bogura (GG# 2125002)

Project starting date: 1st Jun 2021

HOST SPONSOR: Rotary Club of Ramna, RID 3281 Bangladesh

INTERNATIONAL SPONSOR: Rotary Club of Bombay Chamber West, RID 3141 India

Justification/Rationality

Cancer of the Breast and Cervix uteri are the top cancers among women in Bangladesh. The incidence rate of breast cancer is about 22.5 per 1,00,000 females, & mortality rates of cervical cancer are approximately 10.6 and 7.1 per 100,000 women respectively.

Due to the lack of Mammography and a Colposcope machine in TMC & RCH, the oncology department is unable to provide diagnostic procedures for the breast and cervical cancer patients, which are required for the. A well-developed cancer center needs to have this equipment. Early detection of Breast and Cervical Cancer, can reduce mortality and improve the life expectancy of the patients.

Goal & Objectives

Establishment of a system for Cancer Patient Screening Program for Early detection and diagnosis and treatment of Breast and Cervical Cancer.

Budget

US\$ 86471 equivalent to BDT. 7350155.00

Beneficiary

Women and Adolescent girls specially belong to the poor community.

Implementation Plan

- Procure modern essential equipment for upgrading the TMSS Cancer Center.
- Provide training to doctors, nurses, technical staff, and community health workers on screening, early detection, diagnosis, and treat cancer.
- Mobilize the community people through different forums to attend Cancer Screening Program.
- Follow-up diagnosed patients for treatment at TMC&RCH with referral services when needed.
- Provide free services to poor patients, and referral support among hardcore poor people.

Project Outcome

- Installed Mammography machine, Colposcopy machine, Chemo beds, Syringe, and Infusion pumps at TMSS Medical College & Rafatullah Community Hospital (TMC&RCH) Bogura.
- Awareness & Capacity Building training on Breast & Cervical cancer: A total of 64 Medical Assistants and Paramedics received training, Training for the Nurses and Doctors is scheduled on July 16 & 24, 2022.
- Breast & Cervical Cancer Screening & Awareness Camps: Already 3 camps have been completed with total participants of 2265. Breast Screening at camp – 165 and Cervical Cancer Screening at Camp – 94. Total Leaflet/handbill distributed – 4500. Total treatment and referral did at camp – 212 and 40.
- Total Colposcopy done – 36
- Total Mammography – 18
- Cervical Screening at Center – 388
- Breast Screening at Center – 257

Inauguration of Rotary- Dr. MR
Cancer Detection Center



Inauguration of Rotary- Dr. MR
Cancer Detection Center



Training for the Medical Assistants on
Breast and Cervical Cancer Prevention



Training for the Medical Assistants on
Breast and Cervical Cancer Prevention



Cardiac Screening Van for TMSS Medical College & Rafatullah Community Hospital (GG#2127429)

Project starting date: 1st July 2021

HOST SPONSOR: Rotary Club of Dhaka, RID 3281 Bangladesh

INTERNATIONAL SPONSOR: Rotary Club of Jodhpur Sanskar, RID 3053 India

Justification/Rationality

There is a critical window of time for saving a patient's life during acute Myocardial Infarction (MI) and to achieve a much better recovery after it. Most MI patients miss this opportunity as they can't reach a cardiac center at the proper time. The Cardiac Van will be effective for screening cardiac patients at risk, as well as can provide immediate care to acute MI patients.

Goal & Objectives

Conduct cardiac screening and awareness in rural areas, and to provide on site cardiac emergency management of heart attack patients.

Budget

US\$ 93000.00 equivalent to BDT. 8905005.00

Beneficiary

The beneficiary of the project is the risk group adult citizens of the Bogura district and adjacent areas including the underprivileged.

Implementation Plan

- Build community awareness regarding heart attacks, its prevention and lifestyle modification.
- Organize patient screening program for risk group adults in rural areas for early detection, diagnosis and treatment for heart diseases.
- Attend cardiac emergencies to give on site treatment to the heart attack patients before transporting/refer to the hospital.

Project Outcome

All activities of this project is in process, yet to start.

ROTARY-TMSS DNA Sequencing Lab for Cancer Targeted Therapy (GG# 2232664)

Project starting date: 1st March 2022

HOST SPONSOR: Rotary Club of Ramna, RID 3281 Bangladesh

INTERNATIONAL SPONSOR: Rotary Club of Ilsan Jayuro, RID 3690 Korea

Justification/Rationality

Cancer is caused by mutation in DNA. To give targeted therapy we have to know the mutation/mutations of the cancer. DNA sequencing represents the gold-standard confirmation of a mutation. In DNA sequencing we can determine the precise sequence of nucleotides in a sample of DNA (usually a PCR-amplified product). This is essential for defining the type of mutations, deletions or insertions in the DNA, and sometimes for characterization of gene fusions/translocations.

Goal & Objectives

Improve treatment of early-stage cancer at an affordable cost for the people living in northern Bangladesh which will include special low cost or even cost-free treatment for the lower middle class, and the poor.

Budget

US\$ 98108 equivalent to BDT. 8437274.00

Beneficiary

The beneficiary of the project is the risk group citizens of the Bogura district and adjacent areas including the underprivileged.

Implementation Plan

- Establish DNA Sequencing Lab at TMC&RCH for targeted treatment of cancer;
- Raise community awareness on advantages of DNA sequencing technology to detect cancer at early stages and identify targeted therapy (personalized medicine);
- Develop technical and human resources capacities for targeted cancer therapy using DNA sequencing;
- Develop logistic capacity for improved DNA Sequencing Lab services for cancer study.

Project Outcome

Procurement of DNA Sequencing machine is under process; Training and Awareness & Publicity activities are already scheduled, yet to start.

Seminar on DNA Sequencing



Seminar on DNA Sequencing



Networking for DNA Lab



Proposed DNA Lab Visit



CONCLUSION

The above-stated projects have created positive impacts in reducing morbidity, disability, and mortality within the projects' areas. Looking at the expected achievements and beneficial results, it demands the continuation of further support for implementing such appreciated projects in Bangladesh by Rotary International and its associated national and international Rotary Clubs. TMSS will be proud enough to be a collaborative partner organization of Rotary in materializing its vision and goal by implementing their many more philanthropic activities in Bangladesh in the future.



850 Bedded TMSS Medical College & Rafatullah Community Hospital



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