
EXECUTIVE SUMMARY :: A GLOBAL GRANT INITIATIVE PREVENTION AND TREATMENT OF CARDIAC DISEASES

THE PROJECT

Setting a Echocardiography laboratory with complete facilities for research and treatment of cardiac diseases.

HOST CLUB

ROTARY CLUB OF DHAKA MIDTOWN
RI District 3281, Bangladesh

INTERNATIONAL PARTNER CLUB

YET TO BE IDENTIFIED

COOPERATING AGENCY

IBRAHIM CARDIAC HOSPITAL AND RESEARCH INSTITUTE

A philanthropic and not-for-profit mono disciplinary specialized cardiac hospital which is an enterprise of Diabetic Association of Bangladesh established in 2001 (<http://www.ibrahimcardiac.org.bd>);

OBJECTIVE IN LINE WITH AREAS OF FOCUS

The broad objective of this project is to procure and set up a **complete Color Doppler lab** with Ibrahim Cardiac Hospital and Research Institute (ICHRI), with appropriate operational and maintenance plan, with a view to facilitate and strengthen diagnosis and treatment of cardiac diseases for the people of Bangladesh that **encompasses Rotary's two Areas of Focus:**

- a. **Disease Prevention and Treatment** for reducing causes and effects of cardiac diseases by –
 - i. Enhancing the infrastructure of Ibrahim Cardiac Hospital and research Institute (ICHRI);
 - ii. Facilitating the prevention and treatment through testing for proper counseling or referrals or admission to treatment;
 - iii. Providing technical platform and training in its operation for the tracking and monitoring of disease diagnosis and treatment;
 - iv. Improving the capacity of local health care professionals, that is also an objective of ICHRI through knowledge and skill development of its human resources and thus improving services continually;
- b. **Economic and Community Development** will be met to keep the people productive by keeping them healthy through prevention and treatment and as well reducing the death rate.

NEEDS ASSESMENT

A report from the International Center for Diarrheal Diseases in Bangladesh (ICDDR, B) made a mortality projection that the death rate from cardiovascular diseases (CVD) would be 4 times higher in 2010 and 21 times higher in 2025 compared to its corresponding rate in 2003.

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Cardiovascular diseases are emerging as a serious health problem in Bangladesh and other developing countries. According to the latest WHO data published in April 2011 Coronary Heart Disease Deaths in Bangladesh reached 163,769 or 17.11% of total deaths.

ICHRI, the cooperating agency, is a specialized cardiac care institute of Bangladesh Diabetic Association (BADAS). Diabetes is a disease which affects all vital organs of the body. Considering this fact and to ensure cardiac care in the country at international standard, BADAS has founded this institute as a non-profit organization. It is a mono disciplinary specialized hospital for cardiac treatment.

The objective of ICHRI is to fill the gap in cardiac care of both preventive and curative with quality services at affordable cost. ICHRI provides both invasive and Non-invasive cardiac services. In non-invasive cardiac service, the use of ECHO is noteworthy, which can be seen from the following table:

Month	No. of ECHO in adult cardiology	No. of ECHO in pediatric cardiology
January	928	45
February	1158	69
March	1198	79
April	1022	60
May	932	60
June	1014	66
July	652	39
August	1145	54
September	1280	56
October	1077	46
November	1240	42
December	1094	50
Total	11,646	616

Source: ICHRI Annual Report 2014

In the twenty years since it was first introduced, echocardiography has evolved into many specialized formats: **color Doppler**, three dimensional, tissue imaging and volumetric echocardiography.

A Doppler ultrasound is a noninvasive test that can be used to estimate blood flow through blood vessels by bouncing high-frequency sound waves (ultrasound) off circulating red blood cells. A regular ultrasound uses sound waves to produce images, but can't show blood flow. A Doppler ultrasound helps diagnose many conditions, including:

- Blood clots
- Poorly functioning valves in leg veins, which can cause blood or other fluids to pool legs (venous insufficiency)
- Heart valve defects and congenital heart disease

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- A blocked artery (arterial occlusion)
- Decreased blood circulation into legs (peripheral artery disease)
- Bulging arteries (aneurysms)
- Narrowing of an artery, such as in neck (carotid artery stenosis)

MEASURING THE PROJECT SUCCESS

No.	Measure	Measurement Method	Measurement Schedule	Target
1:	Number of cardiac patients receive treatment	Hospital record monitoring	Quarterly basis	10% growth over base year 2014 performance of 12262 ECHOS)
2:	Number of doctors and nurses trained	Hospital record monitoring	Every year	50 (A total of 150 during project period)

NOTE: Host Club will ensure monthly reporting to monitoring the progress and intense follow up and review will be a continuous process for achieving the goal.

ESTIMATED BUDGET

Sl.	Item	Quantity	Approx. Cost	
			BDT	USD*
01	Echo Color Doppler Machine	01	60,00,000.00	77,922.08
02	Emergency Patient Transfer Trolley & Wheel Chair	01	3,00,000.00	3,896.10
03	Hospital ICU/CCU Bed	01	3,50,000.00	4,545.45
04	Computer, UPS	01	50,000.00	649.35
05	Doctor's Table & Chair, Hanging Cabinet and Split Type AC	01 each	2,50,000.00	3,246.75
06	Training for developing Human Resources	10	5,00,000.00	6,493.51
07	Branding of Rotary and its services	Opportunity based	2,00,000.00	2,597.40
TOTAL			76,50,000.00	99,350.65

**Considering the exchange Rate:: 1 USD = 77 BDT*

ROTARY BRANDING

Branding in befitting manner of Rotary and its services in and around the space allocated by ICHRI for the planned laboratory will be executed.

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PREVENTION AND TREATMENT OF CARDIAC DISEASES

FINANCING PLAN

FINANCING PLAN FOR ICHRI PROJECT

#	Funding Method	Organization	Amount (USD)
1	District Designated Fund (DDF)	3281	\$25,000.00
2	District Designated Fund (DDF)	To Be Identified	\$25,000.00
3	Cash from Club (Host Club)	Dhaka Midtown	\$5,000.00
4	Cash from Club (International Partner)	To Be Identified	\$5,000.00

DDF Contributions:	\$50,000.00
Cash Contributions:	\$10,000.00
Other Contributions:	-
Endowed / Term gift contributions:	-
World Fund match maximum:	\$55,000.00
World Fund Match (requested):	\$44,350.65
Total Financing:	\$104,350.65
Total Budget:	\$99,350.65

HOST PRIMARY CONTACT

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