



Strengthening of
Neonatal Unit of
Dhaka Shishu Hospital
Agargaon, Dhaka

<http://dhakashishuhospital.org.bd/>

Community Analysis- Dhaka Shishu Hospital

- Dhaka Shishu Hospital is one of the very few children hospitals in the country as well as the largest children hospital in Bangladesh having 650 beds. People who are in low income bracket, comes here from across the country to ensure better treatment in minimum cost.
- Although, it is a Government supported tertiary level public hospital, government provides fund only for staffs (doctor, nurse & administrative stuffs) salary.
- Apart from this, hospital is bearing all expenditure by its small scale of income and donations from doctors and nurses. Only 65% beds are being charged from patients and 35% percent of Hospital beds are nonpaying bed (It includes bed charge, medicine, and food for both baby and mother).
- As it is in the center of the city, number of walk-in patient is very high and admission need exceeds the hospital's capacity.

Community Analysis-Contd

- In order to support the child hospital community in Bangladesh we have decided to provide our focus in one of the major area of Rotary called “mother & child health”.
- Accordingly we have chosen Dhaka Shishu hospital which is located in the heart of the city, where all the best paediatricians are working to provide medical support to the various types of child patients.

Sustainability Analysis

- Neonatology Department is one of the important department of Dhaka Shishu Hospital which was established in July 1978 .
- This was the first ever neonatal unit in Bangladesh.
- Initially the unit capacity was 20 beds.
- Presently the capacity of the neonate unit extended up to 40 beds(32 beds in SCANU and 08 beds in NICU), of which 23 beds are nonpaying (21 beds in SCANU and 02 beds in NICU).
- Around 2,000 newborn patient will be directly benefited , out of which 700 newborn patient will benefited without paying any cost.

Sustainability Analysis...Contd

- Presently the Neonate department of the hospital is facing lack of medical equipment as per the treatment demand. The scenario is miserable in Special Care Baby Unit (SCBU) and Neonatal Intensive Care Unit (NICU). The average age of the Neonate patients is **0-28** days
- **Admission profile of patients in Dhaka Shishu Hospital:**
 - Admission of patients in hospital around 3,000 per month.
 - Admission of babies in Neonatal Unit –Average 168 patients per month.
 - Around 2,000 newborns admitted in Neonatal Unit per year.

Sustainability Analysis- Contd.....

- **Current Context in Neo Nate department:**
 - Existing instruments are inadequate for giving optimum care to the admitted patients both in SCABU and NICU.
 - Hospital authority cannot purchase medical instruments for Neonate department due to high cost and lack of fund.
 - Desired treatment outcome cannot be obtained due to inadequate instrumental support.
 - Reduction of mortality and morbidity of the admitted patients are not upto the required standard.
 - The hospital deployed well experienced and technically efficient doctor , nurse and ward boy for providing all medical support to the patients.

Major causes of admission in Neonatal unit

- Perinatal Asphyxia (Obstructed delivery with no cry after birth)
- Preterm(born before 37weeks), Low Birth Weight (birth weight <2.5 kg)
- Neonatal Infections
- Neonatal Jaundice
- Birth Defects
- Others

Beneficiary community

- By Strengthening of Neonatal Unit of Dhaka Shishu Hospital the disease mentioned in the previous slides can be cured .
- Existing instruments are inadequate for giving optimum care to the admitted patients both in SCABU and NICU.
- Reduction of mortality and morbidity of the admitted patients is not satisfactory.
- More patients can get adequate treatment with low cost
- Hospital's earning shall also increase

Beneficiary community.. Contd

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- Presently the capacity of the neonate unit extended up to 40 beds(32 beds in SCANU and 08 beds in NICU), of which 23 beds are nonpaying (21 beds in SCANU and 02 beds in NICU).
- Around 2000 newborn patient would be directly benefited , out of which 700 newborn patient will benefited without paying any cost which ultimately reduce the pre-matured death rate of new born baby and obviously the hospital revenue shall also increase as the hospital can provide additional medical support to the community.

Further Requirement in Neonatal department

Requirements	Numbers	Amount (USD)
Ventilator	2	28,928
Super LED Photo Therapy	4	8,571
Bubble CPAP	1	4,940
Syringe Pump	5	2,857
Pulse Oximeter	7	5,416

Summary of the Project Finance Uses plan

- Instrument cost USD 50,712
- Training and Admin cost USD 2,288

Total USD 53,000

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Project Financing Plan

Financing Plan (In USD)	Own	TRF	Total
Host Club	2,000	1,000	3,000
DDF-Host Club	5,000	5,000	10,000
International Partner Club/s	20,000	10,000	30,000
DDF-International Partner Club/s	5,000	5,000	10,000
Total	32,000	21,000	53,000

Project period

- One year from the date of receive of project fund from TRF.

Project Team

Host club

- Rotary Club of Baridhara, District -3281

Partner Club/s

- 1.
- 2.

Thank you