

# **Global Grant Project Proposal- Thalassemia Screening Center**

## Place of Project

Gurgaon (Haryana), India, RI Distt-3011

## Objectives:

### SETTING UP "THALASSEMIA SCREENING CENTER" AT GURGAON

- Creating facility to carry out Thalassemia Carrier / Screening Test among youngsters for diagnosing Thalassemia minors.
- Spreading Awareness about prevention of Thalassemia so that potential birth of Thalassemia majors could be avoided.

The project is to provide EQUIPMENTS in activating a Thalassemia Screening Centre at Gurgaon, India.

## Rotary's Areas of Focus addressed

- Disease Prevention & Treatment

## Project Details:

Thalassemia is one of the commonest single gene disorders imposing a heavy burden on families and the health sector in India. India has the largest number of children with Thalassemia major in the world - about 150 thousand. India is considered the Thalassemia capital of the world as it has over 50 million carriers, that is 4% of the Indian population. Every year, nearly 15,000 children are born in India with Thalassemia major. The patient is susceptible to frequent blood transfusions, every 2-4 weeks throughout their lives, in order to maintain normal growth and quality of life. Therefore, the mainstay of treatment is a regimen of regular blood transfusions. Thus it is a transfusion dependent disorder and places a great burden on healthcare services.

In India, the cost of transfusing and chelating a 30 kg body weight child for one year is estimated at USD 5000. With an estimated birth of 15,000 children with Thalassemia Major every year, and survival for 50 years, the cost of managing 500,000 children (15,000 x 50) works out to USD 3,750 million, and USD 37.50 million even if only 1% were to survive to 50 years of age.

Thalassemia Carriers cannot be recognized clinically but only by performing special blood tests. Where both mother and father are 'carriers', there is a chance that their children may inherit the abnormal gene from both parents and thus suffer from a severe Thalassemia syndrome. So, birth of Thalassemia child can be prevented through diagnosis & awareness.

Cooperating Partner:

National Thalassemia Welfare Society of India (NTWS)

Exchange Rate 72

### **BUDGET**

No.	Description	Supplier	Category	Local Cost (INR)	Cost in USD
1	Automatic Cell Counter Transasia H-360	TBD	Equipment	353500.00	4909.72
2	HPLC Machine TOSOH G11	TBD	Equipment	4470000.00	62083.33
3	Vehicle- Mahindra Bolero	TBD	Equipment	1046500.00	14534.72
4	Refrigerator-250ltr	TBD	Equipment	18000.00	250.00
5	Computer	TBD	Equipment	80000.00	1111.11
6	Printer	TBD	Equipment	17000.00	236.11
7	Contingencies	Misc	Operations	162000.00	2250.00
<b>Total</b>				<b>6147000.00</b>	<b>85375.00</b>

### **PROPOSED FUNDING PATTERN**

	CASH	DDF	TRF
HOST CLUB/CLUBS	17750.00		8875.00
INTERNATIONAL PARTNER CLUB	17500.00		8750.00
INTERNATIONAL PARTNER DISTRICT		7750.00	7750.00
HOST DISTRICT-3011		8500.00	8500.00

Total 85375.00

All amounts are in USD