

## Project Proposal –Vocational Training in Physiotherapy (PT) and Income Generation for the blind Persons (Phase I)

### **BPA’s School of Physiotherapy (PT):**

BPA started its own school of PT for the blind, in 1982. . It runs two-year certificate course and one-year advance diploma course, which are recognized by Dept. of Education, Gujarat. The course curriculum was developed on the pattern followed by the Royal National Institute for the Blind, UK. The Ministry of Social Justice and Empowerment provided the initial support for purchase of the PT equipments.

15 to 20 students per year are admitted to the certificate course (minim. qualification SSC) that are granted the certificates by Secondary Education Board, Gujarat and are recognized by many state Govts, for employment in Govt. hospitals. Till date around 300 students have already passed out and are employed beneficially. The courses are run free of cost including lodging and boarding, teaching materials like cassettes and tape recorder, Braille papers and books etc.

The physiotherapy equipment is “Made in India” and by now is outmoded in its technology and effectiveness. The recent developments and research in physiotherapy has given rise to new generation equipments, which are more customer- friendly, more effective, and auto- programmable for various patients’ needs.

The school employs 3 permanent staff and 8 visiting faculty from reputed hospitals and schools. They are specialist in non-physiotherapy fields like physiology, anatomy, cardiology, psychology, medicine, nursing, orthopedics and ortho-prosthetic etc.

### **Ever-increasing Role of Physiotherapy and Job Opportunities for the Blind Physiotherapist:**

It is said that the job of a physiotherapist starts where the job of a medical doctors ends. Apart from the normal treatment and rehabilitation, PT also helps in prevention of secondary deformities. Physiotherapy improves mobility, health and reduces the risk of injuries. The following trends have substantially improved the role of physiotherapist in the modern society:

- A. With life span increasing, the aged and old people require constantly such services
- B. With the reluctance of qualified physiotherapist to go and serve in rural areas the blind physiotherapist have more opportunities in such location.
- C. There is an increase awareness for fitness among all age and genders
- D. ***Blind physiotherapists have a better feeling and psychological/ sympathetic aspects of treatment with the patients.***
- E. There is a mushrooming growth of fitness centers, nursing home, sports club, rehabilitation center and community health centers with a physiotherapy unit.

## **Need for Up Gradation (Phase-I):**

As mentioned earlier, the physiotherapy equipment installed in the school is outmoded, of old technology and not effective enough for the patients. The students learning and doing practice on these equipments find it very difficult to get employment in government hospitals and other reputed private clinics, which are equipped with latest and modern equipments.

The BPA School of physiotherapy has always been seeking to improve the quality of its education & the installed equipment to meet the expectations of the society in these modern times. The up- gradation of the PT equipment is our first step.

**The total project involves high investments; it is therefore split into 2 phases spread over say two years. The 1<sup>st</sup> phase covers electric operated movement therapy table (Manumed 632), Stimulation & pain therapy equipment (Endomed 582 ID), and ultra sound equipment (Sonopuls 590). The 2<sup>nd</sup> phase will cover Traction unit (Eltrac 471), short wave diathermy unit (Curapulse 670)**

Currently the starting salary of our graduated blind students (2 Yr certificate course) is about Rs.3000/ per month, and after 3 to 4 year experience gets about Rs.6000/-. With implementation of the said up gradation proposal, it is possible for them to get about 25% higher salary.

## **Project Objectives:**

1. To upgrade the physiotherapy equipments and technology and resultant quality of education in physiotherapy.
2. To empower the candidates with better skills, capacity to earn more.
3. To facilitate easier employment for our blind physiotherapist in government hospital and reputed private clinics.

Category	Parameter Name	Data Provided by NGO			
Project 1 synopsis	Project name	Vocational training in Physiotherapy and Income generation for blind persons-Phase I			
	Project description-Phase I	<ul style="list-style-type: none"> <li>Purchasing and installing new technology PT equipments in PT school for the blind and thereby improving the quality of education, employment opportunities and earning levels. For detailed description see annexure-1</li> </ul>			
	Period of time for which funds are requested (in months)	4-6 months			
	Total funding needed for project in \$	<b>Funding Type</b>		<b>Rupees</b>	<b>\$</b>
		Non-Recurring (Sr. no. 8 )		8,50,740	19785
Non-Recurring (Sr. no. 10)		50,000	1163		
Total		9,00,740	20948		
Recurring-1Yr (Sr.no. 9)		51,000	1186		
Recurring-1Yr (Sr.no.11)		1,68,000	3907		
<b>Totals</b>		<b>11,19,740</b>	<b>26040</b>		
Project funds sought from Ashraya (% of total funds)	Total non-recurring cost US\$ 20948 It is 80% of total project cost				
Other sources for funding (name the sources)	The total recurring expenses for the project are indirectly donated by well to do out door patients in kind. Also we have commitments from Ministry of Social Justice and Empowerment to support for such costs.				
Funding details	Delineation of usage of funds	See below			
	<ul style="list-style-type: none"> <li>Direct equipment to be disbursed to beneficiaries (list the equipment)</li> </ul>	<b>S.No.</b>	<b>Equipments Description</b>	<b>Function</b>	<b>Total Amount IRS.</b>
1		Manumed 632	A universal movement therapy table	275660	
2		Endomed 582 ID	For stimulation and pain relief	291390	
3		Sonopuls 590 with Accessories	For ultrasound therapy	283690	
			<b>Total Amount</b>	<b>850740</b>	

9	<ul style="list-style-type: none"> <li>Indirect equipment needed to provide service to beneficiaries (list the equipment) for 1 year</li> </ul>	<table border="1"> <thead> <tr> <th>#</th> <th>Description of Materials</th> <th>Size</th> <th>Capacity</th> <th>Quantity</th> <th>Amount (Rupees)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Accessories</td> <td>N/A</td> <td>N/A</td> <td></td> <td>Included in machine cost</td> </tr> <tr> <td>2</td> <td>Tape-recorders and cassettes</td> <td>Normal</td> <td>N/A</td> <td>1000 cassettes 15 Tape-recorders</td> <td>30,000 15,000</td> </tr> <tr> <td>3</td> <td>Books, Braille papers etc...</td> <td>N/A</td> <td>N/A</td> <td>35 Sets</td> <td>6,000</td> </tr> <tr> <td colspan="5" style="text-align: center;"><b>Totals</b></td> <td><b>Rupees</b></td> <td><b>51,000</b></td> </tr> <tr> <td colspan="5"></td> <td><b>Dollars</b></td> <td><b>1186</b></td> </tr> </tbody> </table>	#	Description of Materials	Size	Capacity	Quantity	Amount (Rupees)	1	Accessories	N/A	N/A		Included in machine cost	2	Tape-recorders and cassettes	Normal	N/A	1000 cassettes 15 Tape-recorders	30,000 15,000	3	Books, Braille papers etc...	N/A	N/A	35 Sets	6,000	<b>Totals</b>					<b>Rupees</b>	<b>51,000</b>						<b>Dollars</b>	<b>1186</b>				
		#	Description of Materials	Size	Capacity	Quantity	Amount (Rupees)																																					
1	Accessories	N/A	N/A		Included in machine cost																																							
2	Tape-recorders and cassettes	Normal	N/A	1000 cassettes 15 Tape-recorders	30,000 15,000																																							
3	Books, Braille papers etc...	N/A	N/A	35 Sets	6,000																																							
<b>Totals</b>					<b>Rupees</b>	<b>51,000</b>																																						
					<b>Dollars</b>	<b>1186</b>																																						
10	<ul style="list-style-type: none"> <li>Other non-recurring expenditure (list the items)</li> </ul>	<table border="1"> <thead> <tr> <th>#</th> <th>Description of Item</th> <th>Amount (Rupees)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Installation cost incl. Cable, Electrical Distribution Boxes, etc...</td> <td>Nil</td> </tr> <tr> <td>2</td> <td>Related Office Furniture &amp; Fixtures</td> <td>50,000</td> </tr> <tr> <td colspan="2" style="text-align: center;">Totals</td> <td>Rupees 50,000</td> </tr> <tr> <td colspan="2"></td> <td>Dollars 1163</td> </tr> </tbody> </table>	#	Description of Item	Amount (Rupees)	1	Installation cost incl. Cable, Electrical Distribution Boxes, etc...	Nil	2	Related Office Furniture & Fixtures	50,000	Totals		Rupees 50,000			Dollars 1163																											
#	Description of Item	Amount (Rupees)																																										
1	Installation cost incl. Cable, Electrical Distribution Boxes, etc...	Nil																																										
2	Related Office Furniture & Fixtures	50,000																																										
Totals		Rupees 50,000																																										
		Dollars 1163																																										
11	<ul style="list-style-type: none"> <li>Recurring expenditure (annual)</li> </ul>	<table border="1"> <thead> <tr> <th rowspan="2">#</th> <th rowspan="2">Description of Item</th> <th colspan="2">Amount (Rupees)</th> <th rowspan="2">Funding Sought (Year 1)</th> </tr> <tr> <th>Monthly</th> <th>Annual</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Salaries for teachers and visiting faculty (11 nos) (existing)</td> <td>33,000 ave.</td> <td>3,96,000</td> <td>Nil</td> </tr> <tr> <td>2</td> <td>Salary for teacher (Additional requirements 1 No.)</td> <td>7,500</td> <td>90,000</td> <td>90,000</td> </tr> <tr> <td>3</td> <td>Salaries for Assistants (existing)</td> <td>10,000</td> <td>1,20,000</td> <td>Nil</td> </tr> <tr> <td>4</td> <td>Overheads— Depreciation, Rent, Repairs, Electrical, Communication and Stationary etc.</td> <td>6,500</td> <td>78,000</td> <td>78,000</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Totals</b></td> <td><b>Rupees</b></td> <td><b>57,000</b></td> <td><b>6,84,000</b></td> </tr> <tr> <td colspan="2"></td> <td><b>Dollars</b></td> <td><b>1326</b></td> <td><b>15907</b></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td><b>3907</b></td> </tr> </tbody> </table>	#	Description of Item	Amount (Rupees)		Funding Sought (Year 1)	Monthly	Annual	1	Salaries for teachers and visiting faculty (11 nos) (existing)	33,000 ave.	3,96,000	Nil	2	Salary for teacher (Additional requirements 1 No.)	7,500	90,000	90,000	3	Salaries for Assistants (existing)	10,000	1,20,000	Nil	4	Overheads— Depreciation, Rent, Repairs, Electrical, Communication and Stationary etc.	6,500	78,000	78,000	<b>Totals</b>		<b>Rupees</b>	<b>57,000</b>	<b>6,84,000</b>			<b>Dollars</b>	<b>1326</b>	<b>15907</b>					<b>3907</b>
#	Description of Item	Amount (Rupees)			Funding Sought (Year 1)																																							
		Monthly	Annual																																									
1	Salaries for teachers and visiting faculty (11 nos) (existing)	33,000 ave.	3,96,000	Nil																																								
2	Salary for teacher (Additional requirements 1 No.)	7,500	90,000	90,000																																								
3	Salaries for Assistants (existing)	10,000	1,20,000	Nil																																								
4	Overheads— Depreciation, Rent, Repairs, Electrical, Communication and Stationary etc.	6,500	78,000	78,000																																								
<b>Totals</b>		<b>Rupees</b>	<b>57,000</b>	<b>6,84,000</b>																																								
		<b>Dollars</b>	<b>1326</b>	<b>15907</b>																																								
				<b>3907</b>																																								

12	<ul style="list-style-type: none"> <li>▪ Number of employees involved in project</li> </ul>	<ul style="list-style-type: none"> <li>▪ 11 teachers / Visiting faculty (already existing)</li> <li>▪ 1 physiotherapy teacher to recruit</li> <li>▪ 4 assistants (already existing)</li> </ul>
13	<ul style="list-style-type: none"> <li>▪ Qualifications of employees in project</li> </ul>	<ul style="list-style-type: none"> <li>▪ 11 Qualified and specialist (Graduates and post graduates in medical and Para medical sciences)</li> <li>▪ The two-year certificate and one year diploma courses in PT are run under State Education Board, Gujarat and are recognized by various state governments.</li> </ul>
14	<ul style="list-style-type: none"> <li>▪ Transportation (types and number of occurrences)</li> </ul>	Not applicable
15	<ul style="list-style-type: none"> <li>▪ Other costs (specify)</li> </ul>	None
16	Sources for purchase of direct equipment	M/s Hospimedica International Pvt. Ltd, New Delhi – dealers for M/s Enraf Nonius B.V., Netherlands
17	Sources for purchase of indirect equipment	Accessories included along with machine from machine supplier i.e. Hospimedica International Pvt. Ltd., New Delhi Others from local suppliers
Project applicability 18	Number of beneficiaries being affected by project	<ul style="list-style-type: none"> <li>▪ 15 to 20 blind/low vision candidates per year for two year certificate course</li> <li>▪ 20 blind/low vision candidates for one year diploma course</li> </ul>
19	Criteria used to select beneficiaries (list them)	Minm. Qualification SSC, blind or low vision, admission all India basis with 50% seats for Gujarat Minm. Qualification for Diploma is Certificate course
20	Main problem being solved or addressed by project	The blind graduates in PT are empowered with added skills to treat patients on latest technology PT equipment. This would facilitate easier employment in Govt. hospitals & other reputed clinics and earn more.
21	Geographical domain of applicability (list the states)	All India
22	Median yearly income of beneficiaries, in Rupees	Below Rs.50, 000/- Per Year (average)

23	Revenue generation opportunities created (list the opportunities with potential in Rupees per year)	<table border="1" data-bbox="586 226 1425 449"> <thead> <tr> <th rowspan="2">#</th> <th rowspan="2">Sale Item</th> <th rowspan="2">Price Per job</th> <th rowspan="2"># Of Per Month</th> <th colspan="2">Amount (Rupees)</th> </tr> <tr> <th>Monthly</th> <th>Annual</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Treatment of OPD</td> <td>Nil</td> <td>10 to12 New</td> <td>Nil</td> <td>Nil</td> </tr> <tr> <td colspan="3"><b>Total Revenues (Potential)</b></td> <td><b>Rupees</b></td> <td><b>Nil</b></td> <td><b>Nil</b></td> </tr> <tr> <td colspan="3"></td> <td><b>Dollars</b></td> <td><b>Nil</b></td> <td><b>Nil</b></td> </tr> </tbody> </table> <p data-bbox="586 449 1425 600"><b>Note:</b> - As per BPA's policy to serve the disabled persons, Outdoor Patients for physiotherapy are treated free of cost, irrespective of their financial capacity. We observed that many of the well to do patients contribute by donating teaching materials, cassettes and tape-recorders for the blind students.</p>	#	Sale Item	Price Per job	# Of Per Month	Amount (Rupees)		Monthly	Annual	1	Treatment of OPD	Nil	10 to12 New	Nil	Nil	<b>Total Revenues (Potential)</b>			<b>Rupees</b>	<b>Nil</b>	<b>Nil</b>				<b>Dollars</b>	<b>Nil</b>	<b>Nil</b>
#	Sale Item	Price Per job					# Of Per Month	Amount (Rupees)																				
			Monthly	Annual																								
1	Treatment of OPD	Nil	10 to12 New	Nil	Nil																							
<b>Total Revenues (Potential)</b>			<b>Rupees</b>	<b>Nil</b>	<b>Nil</b>																							
			<b>Dollars</b>	<b>Nil</b>	<b>Nil</b>																							
24	Income generation opportunities created (list the opportunities with potential in Rs. per year)	<table border="1" data-bbox="711 638 1300 747"> <thead> <tr> <th></th> <th>Monthly</th> <th>Annual</th> </tr> </thead> <tbody> <tr> <td><b>Rupees</b></td> <td>4000</td> <td>48000</td> </tr> <tr> <td><b>Dollars</b></td> <td><b>93</b></td> <td><b>1116</b></td> </tr> </tbody> </table> <p data-bbox="586 779 1425 898">The Opportunities thus created provide bread &amp; butter earning possibilities for the blind PT graduates. They stand better chances to get jobs in Govt. hospitals &amp; other reputed hospitals and clinics in urban areas</p>		Monthly	Annual	<b>Rupees</b>	4000	48000	<b>Dollars</b>	<b>93</b>	<b>1116</b>																	
	Monthly	Annual																										
<b>Rupees</b>	4000	48000																										
<b>Dollars</b>	<b>93</b>	<b>1116</b>																										
Future potential 25	Future investments needed (\$ by year)	Phase-II next year 2006-07. Approximate cost US\$ 24700																										
26	Usage of future funds	Electric traction unit Eltra 471 (Rs.5,23,000= US\$ 12163) Short wave Diathermy Unit Curapulse 670 (Rs.5,39,000= US\$ 12535)																										
27	Applicability to other geographical areas (state Yes or No)	N/A.																										
Monitoring 28	Suggested methods of monitoring funds usage	Purchase Invoices, Goods inwards records, Photos of installation, lists of students enrolled/passed, Salary Registers etc																										
29	Periodicity of reports (in months)	Half-yearly																										