

Brethren Institute for Rural Development, Bestavarpet, Prakasam District, AP: Prosthetic and Orthotic Devices Repair Workshop (\$2,554 Total Funding) – Phase II of Project Funded in 2006

- a. **Project Context:** Mobility India based on Bangalore produces prosthetic and orthotic aids on a large scale; and provides rehab therapy services on premises. However, predominantly only urban PWDs based in and around Bangalore can access these aids and therapy services. MI's main aim has always been to extend their reach to remote rural areas through established partner NGOs who are already providing CBR services to PWDs in these areas. These NGOs can set up and operate rehab therapy units and prosthetic/orthotic production workshops. The workshops are intended to be on a much smaller scale than the one run by MI in Bangalore. MI would supply the mass-produced components for prosthetic/orthotic aids at cost. The partner NGOs would customize the aids to each individual's needs (molding and fitting) on premises. The rehab therapy and custom production unit are a necessary condition; for executing the partner NGO's income generation programs. Providing prosthetic/orthotic aids followed by rehab therapy, training and setting up on income generation programs leads to holistic and long-term rehabilitation of PWDs. Beneficiaries who will receive aids and rehab therapy will then be trained on relevant income generation programs and set up to execute the same on their own on a self-sustaining basis. Please note that rural PWDs tend to be very poor and will not be able to pay fully for the aids and therapy services (MI's experience shows cost recovery rates of ~20%). ASHRAYA is working on a multi-agency partnership operating model that would involve ASHRAYA, MI and MI's partner NGOs; in which each partner would contribute based on their skill sets and focus. ASHRAYA has already partially tested the above defined operating model in partnership with MI (e.g. workshop enhancement or therapy unit establishment) at MI's partner NGOs such as GASS (Doddaballapur, Karnataka) and RAWWD(Bangalore). We now intend to deploy the entire operating model at 4-5 partner NGOs who have an existing working relationship with MI over the next 2 years, starting with BIRD.
- b. **Project Objectives:**
- i. Phase 0: Providing training to Prosthetics/Orthotics Technicians, Rehabilitation Therapists and CBR Workers. Please note that the technicians and therapists will also be PWDs, thus providing income generation opportunities → **Completed by Mobility India**
 - ii. Phase 1 (2006): Funding capital expenditure for setting up the Rehab Therapy Unit → Completed
 - iii. Phase 2 (2007): **Funding capital expenditure for the Prosthetics & Orthotics Workshop** → in scope for this project
 - iv. Phase 3 (2008): Funding capital expenditure for select income generation programs to cover 74 PWDs (beneficiaries of aids and therapy)
- c. **Project Expenditure (Capital Only) – Phase II**

Sl. No	Description of Item	Quantity	Cost Per (Rupees)	Amount (Rupees)
1	Drilling Machine	1	5,800	5,800
2	Bench Grinder	1	6,000	6,000
3	Sewing Machine	1	14,200	14,200
4	Jig Saw	1	14,750	14,750
5	Hot Air Gun	2	4,850	9,700
6	Work Station (Bench) with Panel	1	16,000	16,000
7	Bench Vice- 6"	1	3,337	3,337

8	Pipe Vice-4"	1	2,045	2,045
9	Anvil-50 kg	1	3,185	3,185
10	Tap Wrench	2	92	184
11	Wooden File-12"	2	192	384
12	Wooden File-10"	2	192	384
13	M.S File Rough Half Round 10"	1	244	244
14	M.S File Rough Round 6"	1	126	126
15	M.S File Smooth Half Round 10"	1	281	281
16	M.S File Smooth Round 6"	1	148	148
17	Aluminum File Rough Flat 12"	2	213	426
18	Aluminum File Smooth Flat 12"	2	249	498
19	Inside & Outside Caliper	2	98	196
20	Steel Rule- 30"	1	348	348
21	Steel Rule- 24"	2	187	374
22	Rivet Cutter	2	805	1610
23	Hole Punch	1	530	530
24	Leather Punch	1	795	795
25	Grip Pliers	2	354	708
26	Metal Gripper	1	310	310
27	Revolving Spring Punch	1	475	475
28	Leather Cutter-12"	1	552	552
29	Cold Chisel-6"	1	109	109
30	Cold Chisel-8"	1	193	193
31	H.D. Knife	1	397	397
32	Drill Bit Sets 1mm-8mm Set	2	1,080	2,160
33	ML Caliper	1	2,500	2,500
34	Storage - Steel Almirah	1	7,000	7,000
35	Ball pin hammer	2	200	400
36	Clow Hammer	2	200	400
37	Drill Bits	1set	1,000	1,000
38	Sathi Spanner	2	400	800
39	Sathi Welding Set	1	1,150	1,150
40	Jigsaw Blades	1SET	600	600
41	Riveting Rod	1	3,000	3,000
42	Nut Driver	2	150	300
43	Screw Driver	1SET	200	200
44	Flat Chisel	2	300	600
45	Nose Pliers	2	150	300
Totals				Rs. 104,699
				\$2,554

- d. **Impact Summary:** The target area of BIRD is located in Prakasam District which has been deemed to be the most backward area in Andhra Pradesh; owing to rocky and hilly terrain, lack of drinking water facilities, high rate of migration, and large % (50) of SCs & STs. 56% of people in the in four operating Mandals are below the poverty line compared to 36% at the national level; and the literacy rate is 46% (women ~17%) compared to 62% at the national level. This issue is exacerbated for the 61,575 PWDs living in Prakasam district, only 5% of whom live above the poverty line. Only 5% of the children with disabilities are attending schools owing to parental apathy, lack of mobility and lack of encouragement from teachers. Current rehabilitation services only reach about 2% of those in need. BIRD intends to provide CBR and rehabilitation therapy services as well as prosthetic/orthotic aids at very low costs (expected average cost recovery rate is ~20%) to 2,628 PWDs (1,150 female and 1,478 male) in 178 villages from 4 Mandals (Bestavarapet: 639, Cumbum: 539,

Ardhaveedu: 640 Komarole: 810). These aids and services are requisite precursors to the income generation and vocation training programs run by BIRD for its PWD beneficiaries.