

# Resource Guide For Persons With Low vision

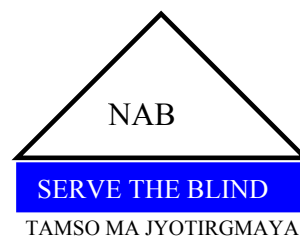
SUBHASH A. DATRANGE

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**NATIONAL ASSOCIATION FOR THE BLIND, INDIA**

**11, KHAN ABDUL GAFFAR KHAN ROAD,**

**WORLI SEAFACE, MUMBAI – 400 025.**



December 1999  
First Edition

Presented by: Padma Shree Dr. Rajendra T. Vyas  
Hon. Secretary General  
National Association for the Blind, India

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## FOREWORD

It will come as quite an eye opener to most readers, that in India there are more people with Low Vision than even those who are blind. With their number at a staggering 28 million, the problem is worse compounded because of the very lack of awareness of their identity. They belong to no specific category of the handicapped. They are relegated to a limbo, being neither totally blind, nor possessing normal vision and more so as their handicap is not openly disfiguring or evocative of pity or sympathy.

The realization has dawned that they must be helped in every possible manner to train and enhance whatever vision that is left, so that their normal activities can be restored as much as possible. The services they need, include clinical and functional assessment of vision, prescription of Low Vision Aids, provision of optical and non-optical devices, training in Orientation & Mobility, supply of large print books, environmental access, counselling and the like.

The National Association for the Blind, India, has taken an initiative, and is now concentrating its efforts on setting up a countrywide network of Low Vision Services while at the same time, stressing the importance of utilizing the existing available devices to the fullest though insufficient in extent and scope. Recently it has undertaken a survey of these services and the present Resource Guide is its outcome.

I have no doubt that professionals, persons with Low Vision, their families and eye care providers, will find this handbook extremely useful and utmost benefit.

**DR. T.N. URSEKAR**

**CHAIRMAN**

**NAB PLAN OF ACTION COMMITTEE**

**VISION '98 – NATIONAL CONFERENCE ON LOW VISION**

## **PROLOGUE**

This publication is the result of “Vision ’98 – National Conference on Low Vision” organized by National Association for the Blind, India. The handbook provides essential information regarding a wide range of services e.g. Education, Rehabilitation, Independent Living, besides medical/health care services available for persons with Low Vision.

It is hoped that this Publication will lead to better and fuller utilization of these services.

On behalf of the National Association for the Blind, India I express a deep sense of gratitude to the Royal Danish Embassy, New Delhi for their generous grant towards printing of this guide.

My sincere thanks are also due to Dr. T.N. Ursekar, Dr. Rajendra T. Vyas, Dr. (Mrs.) Asha A. Bhende, Mr. Nawal Baliwalla and Mrs. Hema Upendra for their valuable suggestions and comments on this Guide.

I am grateful to Dr (Ms.) Meera Gharpure for her assistance in the preparation of this handbook. My thanks are also due to Mrs. Radha Manwani, Miss Bibiana Vaz and Mrs. S. Gopinath for their valuable assistance.

**SUBHASH A. DATRANGE**  
EXECUTIVE DIRECTOR  
NATIONAL ASSOCIATION FOR THE BLIND,  
MUMBAI  
INDIA

## **INTRODUCTION**

Coping with Low Vision is a challenge both for the family and caregivers besides the person himself.

In recent times the discipline of Low Vision care is therefore receiving increasing attention of those engaged in work with the Blind and the Visually impaired, the world over. There is also a growing realization that the concerns and issues faced by persons with Low Vision are not quite the same as those affecting the Blind. This has led to development of special programmes and services in our country for this particular group.

The following pages provide valuable information about these services, and answer queries such as “ Who is a person with Low Vision?” and “ Where does one go in order to avail of various facilities and acquire suitable Low Vision devices and aids for independent living?”

## **DEFINITION**

“Person with Low Vision means a person with impairment of visual functioning even after treatment or standard refractive correction but who uses or is potentially capable of using for the planning or execution of a task with appropriate assistive device”.

SOURCE:- Persons with Disabilities, (Equal Opportunities, Protection of Rights and Full Participation Act 1995, chapter 1, Page 3).

This definition is proposed to be amended thus; “ Person with Low Vision is a person with impairment of vision between 6/60 to 6/18 with best correction in the better eye or impairment of field in any one of the following categories: -

1. Reduction of fields to 10 degrees.
2. Hemianopia with macular degeneration.
3. Altitudinal defect involving lower fields.”

SOURCE: - (Final report of amendment Committee of Persons with Disabilities Act, March 1999, page 39)



# PROFILES OF LOW VISION CENTRES IN INDIA

## ANDHRA PRADESH

### MEERA & L.B. DESHPANDE CENTRE FOR SIGHT ENHANCEMENT

L.V. Prasad Eye Institute, L.V. Prasad Marg, Banjara Hills,  
Hyderabad 500 034.

Tel. No. 91 – 040 – 360 8262

Fax No. 91 – 040 – 354 8271

E-mail [safaraz@lvpeye.stph.net](mailto:safaraz@lvpeye.stph.net)

Working hrs: 8.00 a.m. to 6.00 p.m.

Contact person: Dr. Sarfaraz Ali Khan

Services: Free / Paid

A separate Paediatric service is available.

Clinical Services: Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Referrals and Follow-up services.

Educational / Rehabilitation Services: Client – Teacher and Parental Counselling, Orientation & Mobility Training, Vocational Guidance, Research/Development (L.V. Devices) and Production/Demonstration of electronic/computer operated L.V. equipment.

## **GUJARAT**

### **1. BLIND PEOPLE'S ASSOCIATION OF INDIA**

Dr. Vikaram Sarabhai Road, Vastrapur, Ahmedabad 380 015.

Tel. No. 079 – 644 0082 / 644 2070

Fax No. 079 – 656 0106

E-mail [bpa@vsnl.com](mailto:bpa@vsnl.com)

Working hrs: 10.00 a.m. to 6.00 p.m.

Contact person: Dr. Bhushan Punani

Service: Free

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices and Instruction in the use of L.V. Devices and Referrals.

Educational / Rehabilitation Services: Rehabilitation Counselling, Parental Counselling and Orientation & Mobility Training.

### **2. RETINA FOUNDATION**

Asopalov Eye Hospital, Near Shahibag Underbridge, Shahibag, Ahmedabad 380 004.

Tel. No. 079 – 286 5537

Fax No. 079 – 286 6381

E-mail [retina@vsnl.com](mailto:retina@vsnl.com)

Working hrs: 3.00 p.m. to 7.00 p.m.

Contact Person: Dr. P.N. Nagpal

Services: Subsidized / Paid

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Referrals and Follow-up services.

Educational / Rehabilitation Services: Large Print library services and Display/Demonstration of electronic /computer operated L.V. equipment.

## **KERALA**

### **NATIONAL ASSOCIATION FOR THE BLIND KERALA STATE BRANCH**

Shalom Building, Pattom P.O., Trivandrum, Kerala 695 004.

Tel. No. 0471 – 541595

E-mail: [nabkeral@vsnl.com](mailto:nabkeral@vsnl.com)

Working hrs: 10.00 a.m. to 5.30 p.m.

Contact Person: Mr. P. George

Services: Free

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Referrals and Follow-up services.

Education / Rehabilitation Services : Client – Teacher and Parental Counselling, Orientation & Mobility Training, Vocational Guidance, Large Print library services and Display/Demonstration of electronic/computer operated L.V. equipment.

## **MADHYA PRADESH**

### **VISION RESOURCE CENTRE**

Smt. Shantaben & Shri Vrajlal Mehta Memorial Charitable Low Vision Centre, Shree Jalaaram Swaasthya Vihaar, Ground Floor, CM – 74, Pt. D.D.L. Nagar, Sukalya, Indore 452 010.

Tel. No. 0731 – 552903

Working hrs: 9.30 a.m. to 11.30 a.m.

Contact Person : Dr. Smita Mehta

Services: Subsidised

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Referrals and Follow-up services.

Educational /Rehabilitation Services: Research / Development (L.V. Devices), Production/Distribution of aids for independent living.

## **MAHARASHTRA**

### **1. HAPPY HOME & SCHOOL FOR THE BLIND**

Dr. Annie Besant Road, Worli, Mumbai 400 018

Tel. No. 022 – 492 3198

Working hrs: 9.30 a.m. to 5.00 p.m.

Contact Person : Ms. M.J. Banaji

Services: Free

A separate Paediatric service is available.

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Training of L.V. Professionals, Referrals and Follow-up services.

Educational / Rehabilitation Services: Client – Teacher and Parental Counselling, Orientation & Mobility Training, Vocational Guidance, Large Print library services and Production/Distribution of Large print Literature.

## **2. INDIAN ASSOCIATION FOR THE VISUALLY HANDICAPPED**

87 – B, Moruddin Chambers, Broach Street, Masjid (East),  
Mumbai 400 009.

Tel. No. 022 – 371 8446

Fax No. 0091 –373 8499

E-mail [iavh@hotmail.com](mailto:iavh@hotmail.com)

Working hrs: 10.00 a.m. to 6.00 p.m.

Contact Person: Mr. P. Didwania

Educational / Rehabilitation Services: Parental Counselling.

Note: A full-fledged Low Vision Centre is proposed to be established shortly.

### **3. NATIONAL ASSOCIATION FOR THE BLIND, INDIA**

11-12, Khan Abdul Gaffar Khan Road, Worli Seaface, Mumbai 400 025.

Tel. No. 022 – 493 5370 /493 6930

Fax No. 022 – 493 2539

E-mail [nab@giasbm01.vsnl.net.in](mailto:nab@giasbm01.vsnl.net.in)

Working hrs: 9.30 a.m. to 5.15 p.m.

Contact Person: Mr. Subhash A. Datrange

Services : Free / Subsidized

Clinical Services: Eye Screening

Educational / Rehabilitation Services: Client – Teacher and Parental Counselling, Orientation & Mobility Training, Vocational Guidance, Large print library services, Production/Distribution of Large print literature, Distribution of aids for independent living, Training of L.V. Professional, Display and Demonstration of electronic/computer operated L.V. equipment.

### **4. NAB KANTABEN & VARJIVANDAS SARAIYA LOW VISION CENTRE (An activity of NAB Workshop for the Blind) Unit I**

NAB Workshop for the Blind, Dr. Annie Besant Road, Opp. Passport Office, P.O. Prabhadevi, Mumbai 400 025.

Tel. No. 022 – 430 4347 / 422 1147

Fax No. 022 – 430 4347 / 422 1147

Working hrs : 9.30 a.m. to 4.30 p.m.

Contact Persons: Mr. U.T. Syed, Principal/ Mr. Suresh Jollani,  
Optometrist.

Services: Free

A separate Paediatric service is available.

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Training of L.V. Professionals (Technical), Referrals and Follow-up services.

Educational / Rehabilitation Services: Orientation and Mobility Training, Vocational Guidance, Distribution of L.V. Devices and Distribution of Aids for independent living.

## **5. NAB KANTABEN & VARJIVANDAS SARAIYA LOW VISION CENTRE (An activity of NAB Workshop for the Blind) Unit II**

C/o. M.N.B. Industrial Home for the Blind, Chateau Dieu, 280 S.V. Road, Jogeshwari (West), Mumbai 400 102.

Tel. No. 022 – 679 1487

Working hrs : 9.30 a.m. to 4.30 p.m.

Contact person: Mrs. Sheryl Rodrigues

Services: Free

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Training of L.V. Professionals (Technical) and Follow-up services.

Educational / Rehabilitation services: Orientation & Mobility Training, Vocational Guidance, Distribution of L.V. Aids and Distribution of Aids for independent living.

## **6. NAB MATA LACHIMI NURSERY FOR THE BLIND**

Mata Lachmi Hospital Building, 218, Sion East, Mumbai 400 022.  
Tel. No. 022 – 490 5170

Working hrs: 10.00 a.m. to 2.00 p.m.

Contact Persons: Mrs. Banoo Tarapore and Mrs. Moleen Parsram

Services: Free

A separate Paediatric service is available.

Educational / Rehabilitation Services: Low Vision Children from 2 ½ to 6 years age are trained in pre-reading and pre-writing and functional vision.

## **7. BAL KALYAN SANSTHA LOW VISION AID CENTRE**

Near Raj Bhavan, Ganeshkhind Road, Pune 411 007

Tel. No. 020 – 565 5953

Working hrs: 11.00 a.m. to 5.00 p.m.

Services: Free



A separate Paediatric service is available.

Clinical Services: Eye Screening, Prescription of L.V. Devices, Training of L.V. Professional (Technical) and Follow-up services.

Educational / Rehabilitation Services: Rehabilitation Training for L.V. Clients, and recreational services.

## **8. LAXMI EYE INSTITUTE**

Panvel – Uran Road, Panvel, Dist. Raigad 410 206.

Tel. No. 022 – 745 2228 / 745 3147/ 745 4060

Fax No. 022 – 749 1199

Working hrs: 9.30 a.m. to 5.00 p.m.

Contact Person: Mr. Mohan Hindupur

Services: Subsidized / Fully paid.

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Referrals and Follow-up services.

## **9. EYE CLINIC & HOSPITAL**

Vishrambag, Sangli 416 415

Tel. No. 0233 – 300862

Fax No. 0233 – 300665

E-mail [eyehospital@vsnl.com](mailto:eyehospital@vsnl.com)

Working hrs: 10.00 a.m. to 1.00 p.m. and 3.30 p.m. to 6.30 p.m.

Contact Person: Mr. Ajit S. Limaye.

Services: Free/ Subsidized / Fully paid

A separate Paediatric service is available.

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Training of L.V. Professionals (Technical), Referrals and Follow-up services.

Educational / Rehabilitation Services: Research / Development of L.V. Devices, Production / Distribution of L.V. Aids, and Display / Demonstration of electronic / Computer operated L.V. equipment.

## **NEW DELHI**

### **DR. RAJENDRA PRASAD CENTRE FOR OPHTHALMIC SCIENCES**

All India Institute of Medical Sciences, New Delhi 110 028.

Tel. No. 91 – 011 – 651 4095

Fax No. 91 – 011 – 685 2819

E-mail [eyehospital@vsnl.com](mailto:eyehospital@vsnl.com)

Working hrs: 9.00 a.m. to 5.00 p.m. However, the special L.V.A. Clinic is open only on Tuesdays and Fridays from 2.00 p.m. to 5.00 p.m.

Contact Person: Mrs. Monica Choudhary

Services: Free Check-up and subsidized dispensation.

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices and Follow-up services.

Educational / Rehabilitation Services: Parent Counselling

## **PUNJAB**

### **VOCATIONAL REHABILITATION TRAINING CENTRE FOR BLIND/DISABLED**

Habowal Road, Opp. Kitchlu Nagar, Ludhiana 141 001.

Tel. No. 0161 – 471425 / 471642

Fax No. 0161 – 471642

Working hrs: 8.30 a.m. to 5.00 p.m.

Contact Person: Dr. E.M. Johnson

Services: Free

A separate Paediatric service is available.

Educational / Rehabilitation Services: Clients, Teacher and Parent Counselling, Orientation & Mobility Training, Large print library services, Production / Distribution of Large print literature and L.V. Aids.

## **RAJASTHAN**

### **RUPAL GAJJAR LOW VISION CENTRE**

Tarabai Desai Eye Hospital, E-22, Shastri Nagar, Jodhpur 342 002.

Tel. No. 0291 – 430714 / 432288

E-mail [sanjiv.desai@vsnl.com](mailto:sanjiv.desai@vsnl.com)

Working hrs: 9.00 a.m. to 2.00 p.m.

Contact Person: Dr. Sanjiv Desai

Services: Subsidized

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices and Follow-up services.

Educational / Rehabilitation Services: Production / Distribution of L.V. Aids and Display / Demonstration of electronic/computer operated L.V. equipment.

## **TAMILNADU**

### **1. SANKARA NETHRALAYA**

(A Unit of Medical Research Foundation)

18, College Road, Chennai 600 006

Tel. No. 044 – 827 1616

Fax No. 044 – 825 4180

E-mail [mrf@md3.vsnl.net.in](mailto:mrf@md3.vsnl.net.in)

Working hrs: 9.00 a.m. to 5.00 p.m.

Contact Person: Dr. Krishna Kumar

Services: Free

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Referrals, Follow-up services and training of L.V. Professionals and Genetic Counselling.

## **2. ARAVIND EYE HOSPITAL**

1, Annanagar, Madurai 625 020.

Tel. No. 0452 – 2532653 (5 lines)

Fax No. 0452 – 530984

E-mail [p.vijayalakshmi@aravind.org](mailto:p.vijayalakshmi@aravind.org)

Working hrs: 9.00 a.m. to 6.00 p.m.

Contact person: Dr. P. Vijayalakshmi

Services: Free or Fully paid.

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Referrals and Follow-up services.

Educational / Rehabilitation Services: Orientation & Mobility Training, Parent Counselling and Vocational Guidance.

## **2. INTEGRATED EDUCATION IMPLEMENTATION COMMITTEE**

St. Mary's Higher Secondary School, Post Box No. 56, Madurai 625 001.

Tel. No. 0452 – 2336576 / 2337273

Working hrs: 9.00 a.m. to 5.30 p.m.

Contact Person: Mr. L. Shanmugam

Services: Free

Clinical Services: Eye Screening, Instruction in the use of L.V. Devices, Training of L.V. Professionals (Technical), Referrals and Follow-up services.

Education / Rehabilitation Services: Clients, Teachers and Parent Counselling, Orientation & Mobility Training and Vocational Guidance.

## **UTTARPRADESH**

### **NATIONAL INSTITUTE FOR THE VISUALLY HANDICAPPED**

116, Rajpur Road, Dehra Dun 248 001.

Tel. No. 0135 – 744491

Fax No. 0135 – 748147

E-mail [nivhddn@nde.vsnl.net.in](mailto:nivhddn@nde.vsnl.net.in)

Working hrs: 9.00 a.m.m to 5.30 p.m.

Contact person: Dr. S.R. Shukla

Services: Free

Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Referrals and Follow-up services.

Educational / Rehabilitation Services: Clients, Teachers and Parent Counselling, Orientation & Mobility Training and Vocational Guidance.

## **WEST BENGAL**

### **SHAH & SHAH LOW VISION AIDS CENTRE AND LABORATORIES**

2, Rusell Street, Calcutta 700 071

Tel.No. 033 – 266 5328 / 246 4687

Fax No. 033 – 226 1730

Working hrs: 1.30 p.m. to 7.00 p.m.

Contact Person: Dr. H.M. Shah

Services: Subsidized Fully paid

A separate Paediatric Service is available.

**Clinical Services: Eye Screening, Clinical Assessment, Prescription of L.V. Devices, Instruction in the use of L.V. Devices, Training of L.V. Professionals (Technical), Referrals and Follow up services.**



**LOW VISION CENTRES DETAILS OF WHICH ARE NOT  
AVAILABLE**

**ANDHRA PRADESH**

School of Optometry  
Institute of Ophthalmology  
Sarojini Devi Eye Hospital  
Hyderabad 500 028

**KARNATAKA**

Minto Ophthalmic Hospital  
Bangalore 560 002

**MAHARASHTRA**

Premila Vithaldas Thackersey Polytechnic  
SNDT Women's University  
Juhu  
Santacruz (W)  
Mumbai – 400 049

Panacea Eye Centre  
C/o. Aditya Jyoti Research Foundation  
168-D, Vikaswadi,  
Dadar T.T  
Mumbai 400 014  
K.B. Haji Bachooali Ophthalmic & ENT Hospital  
Parel  
Mumbai – 400 012

Municipal Eye Hospital  
Kamathipura  
Trimbak Parshuram Street  
Mumbai 400 008

National Institute of Ophthalmology  
1187/30, Off Gokhale Road,  
Shivaji Nagar,  
Pune 411 005.

## **AIDS AND APPLIANCES**

The type of devices listed here are only indicative. Many of these items may only be procured by importing them from manufacturers overseas. However, the purpose of listing these devices is mainly to educate the reader about their availability. For details, readers may please refer the latest edition of Indian Guide to Aids & Appliances for the Blind published by NAB Louis Braille Memorial Research Centre, Rustom Alpaiwalls Complex, 124 – 127, Cotton Depot, Cotton Green, Mumbai – 400 033.

### **A) OPTICAL DEVICES**

#### Monoculars:

Monoculars of different powers/types – Rubber coated, Tasco and Clip-on monoculars.

#### Binoculars:

Binoculars of different sizes / types – folding, wide angle, roof prism, opera, sport glasses “Hands-free” and telescope binoculars.

#### Magnifiers:

Illuminated and non-illuminated, pocket, hand-held, stand & mirror magnifiers. Folding type, hands-free round the neck and bar / book magnifiers, Clip-on magnifying lenses and full-page magnifiers.

### **B) NON-OPTICAL DEVICES**

#### Close Circuit Television with magnifier:

ECIL (Hyderabad), TVI Classic, Zoom, liberty and Alladin CCTVs.

### Vis-ability:

A system that turns scanner into CCTV.

### Educational Aids:

Tactile and large print maps of the world, Map Eyes – ‘Wear-on-head’ magnifier, Talking Globes, Braille World Atlas, Tangible Graphs, Talking Compass, Audio Self Teaching Manual for Touch Typing, Seated Parquetry Set for enhancing residual visual capacity, Talking Dictionary.

### Low Vision:

Utilization of Low Vision (ULV) Teachers Kit: To help in determining if a person’s residual vision is being fully utilized.

### Individual Study Screen:

Light Box – helps in achieving efficiency in visual functioning. Light Box material that is provided, helps to teach basic visual skills, eye hand co-ordination and simple matching skills.

### Games:

Low Vision Scrabble Game, Large Print Playing Cards, Cross-word Puzzles and Bingo Cards, Braille scrabble, Braille Chess.

### Personal Devices:

Caller ID – Telephone Answering Machine, Low Vision Digital Talking Blood Pressure Kit, Glucose Monitor System, Clinical Talking Thermometer, Parrot Plus Electronic Diary

### Kitchen Aids:

Low Vision Cutting Board, Slicer, Talking Kitchen Scale, Spice Auto Measure Dispenser, Liquid Level Indicator

### Writing Aids:

Nite Writer – illuminates writing area, Signature Guide, Envelop Addressing Guide, Letter Writing Guide, Typoscope Reading & Writing Guide, Large Print Address Book, Telephone Diary and Large Print Dials, Low Visio Rulers, Embossed Pencil Writing Paper, Bold Line Paper, Rules (Bold Line) Exercise Books, Jotter Pens and Marker Felt Pens.

### Clocks, Watches and Calculators:

Big Display Digital Wall Clocks, LCD Alarm Clocks, Talking Alarm Clocks & Wrist Watches, Large Print Desk Calculators.

### Software Solutions:

Optical Braille Recognition Software (OBRS)

Jaws, Magic 6.0, Wynn, Screen Reading Softwares with varying magnification capabilities.

### Text Reading Machines:

KRM, Rainbow and Galileo (Robotron) Reading Machines.

## **C) MANUFACTURERS AND DISTRIBUTORS**

### **I) INDIA**

#### **ANDHRA PRADESH:**

Electronic Corporation of India Ltd.  
(Department of Atomic Energy)  
ECIL P.O.  
Hyderabad 500 762

#### **MAHARASHTRA**

Baliwalla & Homi Private Ltd.  
614, Jagannath Shankarseth Marg  
Dhobi Talao  
Mumbai 400 002

Braille World  
132, Maker Tower 'B'  
Cuffe Parade  
Mumbai 400 005

Karishma Enterprises  
132, Maker Tower 'B'  
Cuffe Parade  
Mumbai 400 005

S.S. Enterprises  
49/6 Ashram, 1st Floor  
Bhagat Gully  
L.J. Road. Mahim  
Mumbai 400 016

Techno Sight Systems

132, Maker Tower 'B'  
Cuffe Parade  
Mumbai 400 005

## **II) UNITED KINGDOM**

Partially Sighted Society  
Doncaster 2  
U.K.

Royal National Institute for the Blind  
224, Great Portland Street  
London WIN 6AA  
U.K.

## **III) U.S.A.**

American Printing House for the Blind  
1839 Frankfort Avenue  
Louisville  
Kentucky 40206 – 0085

Light House International  
11 East 59 th Street,  
(Between Part & Lexington Avenue)  
New York  
NY 10022 – 1202

## **D) PRICE SUBSIDY**

Government of India, Ministry of Social Justice and Empowerment has a scheme of assistance to disabled persons for purchase and fitting of aids and appliances. Under this scheme, L.V. Devices included are hand held, stand (lighted and unlighted) magnifiers besides speech synthesizers or Braille attachments for computers. Low Vision persons with a monthly

income of upto Rs. 5000/- can obtain these devices free of charge, whereas those with an income upto Rs. 8,000/- p.m. are offered 50% of price subsidy. Only those Aids/Appliances, which do not cost less than Rs. 50/- and more than Rs. 6000/- fall under this scheme.

## **E) CUSTOMS DUTY EXEMPTION**

Certain medical equipments concerning Low Vision are fully exempt from payment of Customs Duties. The details are given below:

General Exemption No. 121

Serial No. 274 : (a) Medical Equipment specified en list 22)

(Source: Customs Tariff of India 1999 – 2000, R.K. Jain, Centax Publications Pvt. Ltd., New Delhi, 1999 – pp. 399/443).

## **LARGE PRINT PUBLICATION**

Centre for Services to People with Low Vision of the National Association for the Blind, India brings out every 4 months, a journal in large print called “Vishal”, since 1995. This 48-page journal is published in Marathi for persons having difficulty in reading normal text. Annual subscription is Rs. 60/-. The price for a single issue is Rs. 25/-.

The magazine covers literature of general interest for readers of every taste and age. The type size used for printing is 30 pts. Senior citizens having vision problem may find this journal of particular interest.

For subscription and other details, readers may please contact at the following address:-

Editor

“Vishal”

Centre for Services to People with Low Vision

National Association for the Blind



C/o. NAB Workshop for the Blind  
Dr. Annie Beasant Road,  
Prabhadevi,  
Mumbai – 400 025  
Tel.No. 422 1192

## **TALKING BOOK SERVICES**

### **GUJARAT**

Blind People's Association of India  
Dr. Vikram Sarabhai Road,  
Vastrapur  
Ahmedabad 380 015  
Gujarat

### **KERALA**

Kerala Federation of the Blind  
Kunnukuzhi  
Thiruvananthapuram 695 034  
Kerala

### **MAHARASHTRA**

NAB M.P. Shah All India Talking Book Centre  
11 – 12, Khan Abdul Gaffar Khan Road,  
Worli Seaface  
Mumbai 400 025

Poona Blind Men's Association  
82 Rasta Peth  
Pune 411 011

## **BRaille PRODUCTION CENTRES**

### **ANDHRA PRADESH**

1. Andhra Pradesh Vikalangula Co-ope. Corporation  
Deaf & Dumb School Campus  
Malkapet  
Hyderabad 500 036
2. Regional Braille Press  
Malkapet  
Hyderabad 500 036
3. Caring Aids for the Visually Impaired  
Gokul, 5-9-32/3  
Basheerbag  
Hyderabad 500 029

### **DELHI**

1. All India Confederation of the Blind  
Braille Production Unit  
Sector V  
Rohini  
Delhi

### **GUJARAT**

1. Makim Memorial Braille Press  
Blind People's Association of India  
Dr. Vikram Sarabhai Road,  
P.P. Polytechnic  
Ahmedabad 380 015

2. Mrs. R. S. Kalaria Braille Computerized Press  
Blind Men's Welfare Association  
P. D. Malavia College Campus  
Gondal Road,  
Rajkot 360 004
3. NAB Surat District Branch  
C/o. Anindhjan Shikshan Mandal  
Ghoddoud Road,  
Surat 395 007

## **HARYANA**

1. National Federation of the Blind  
Braille Press  
Near Atam Sudhi Ashram  
Delhi Road,  
Bahadurgarh 124 507

## **KARNATAKA**

1. Government Braille Press  
Government Blind School Campus  
Tilak Nagar  
Sayaji Rao Road,  
Mysore
2. Braille Transcription Centre  
Canara Bank Relief & Welfare Society  
27th Cross, Banashankari 2nd Stage  
Bangalore 560 070

## **KERALA**

Shri Karthika Thirunal Shashtyabdapoorthy  
Memorial Braille Press  
Kerala Federation of the Blind  
Thiruvananthapuram 693 037

## **MADHYA PRADESH**

1. Government Braille Press  
M. P. State Government Panchayat & Social Welfare  
Directorate  
Marwari Lane  
Sadar Bazar  
Bilaspur
2. NAB M. P. State Branch  
Braille Press Building  
Scheme No. 54  
A. B. Road, Behind Satya Sai Vihar School  
Indore 452 010
3. Computerized Braille Production Centre  
Arushi E-7/793  
Arera Colony  
Bhopal 711 340

## MAHARASHTRA

1. NAB Sir J. Duggan Braille Press  
11, Khan Abdul Gaffar Khan Road  
Worli Seaface  
Mumbai 400 025
2. Indian Association for the Visually Handicapped  
IAVH Electronic Reading Centre for the Blind  
University Club House  
'B' Road, Churchgate  
Mumbai 400 020
3. Poona Blind Men's Association  
Braille Production Centre  
TTI Complex,  
109, Dr. Helen Keller Road,  
Hadapsar  
Pune 411 013
4. IAVH Reading Centre  
University of Pune  
Ganeshkhind  
Pune 411 007
5. IAVH Reading Centre for the Blind  
Nagur University Library  
Nort Ambazari Road,  
Nagpur 440 010.

## **ORISSA**

Red Cross School for the Blind  
Dist. Ganjam  
Berhampur 760 001

## **RAJASTHAN**

L. K. C. Jagdamba Andh Vidyalaya Samiti  
Hanumangarh  
Sriganganagar 335 001

## **TAMIL NADU**

1. Regional Braille Press  
Government School for the Blind  
Poonamallee  
Chennai 600 056
2. Christian Foundation for the Blind Braille Press  
Pallavaram  
Chennai 600 043
3. Little Flower Convent  
127, G. N. Road,  
Cathedral P.O.  
Chennai 600 005
4. Sri Ramakrishna Mission Vidyalaya College of Education  
P.O. Coimbatore 641 020
5. Indian Association for the Blind  
Higher Secondary School & Rehabilitation Centre  
Sundarajanpatti  
Arumbanoor Post  
Madurai 625 107

## **UTTAR PRADESH**

1. National Institute for the Visually Handicapped  
116, Rajpur Road  
Dehra Dun 248 001
2. Shri Hanuman Prasad Andh Vidyalaya  
Durakund  
Varanasi

## **WEST BENGAL**

Regional Braille Press  
Ramakrishna Mission Ashram  
P. O. Narendrapur  
Dist. 24 Pargnas



## **ORIENTATION & MOBILITY TRAINING CENTRES**

### **ANDHRA PRADESH**

1. D. M. School for the Blind  
Near Law College  
Visakapattanam – 19
2. Andhra Blind Model High School  
Rajapet  
Narsapur  
West Godawari 534 275
3. Saint Francis High School  
Assist Nagar, Venkatagiri  
Town (Post)  
Dist. Nellore 524 132

### **BIHAR**

1. Sri Adinath Andh Vidyalay for the Blind  
Dhampura  
Arrah  
Bhojpur
2. St. Michel's School for the Blind  
Old Hazaribagh Road  
Ranchi 834 001
3. Sewa Sadan Andh Vidyalaya  
Bara Telpa  
Chapara  
Saran

4. Netraheen Chatra Vidyalaya  
Bhikhanpur  
Bhagalpur'  
Bihar

## **CHANDIGARH**

Society for the Care of the Blind  
Sector 26  
Chandigarh 160 026

## **GUJARAT**

1. Adult Training Centre for the Blind (School)  
Dr. Vikram Sarabhai Road  
Vastrapur  
Ahmedabad 380 015
2. Light House for the Blind  
Near Manav Mandir  
Memnagar  
Ahemedabad 380 052
3. Smt. M. K. Mehta School for the Blind  
Mamta Mouri Vidya Mandir  
Palanpur  
Banaskantha
4. Andha Kanya Vikas Gruh  
50-B, Middle Class Society  
Opp. Jayesh Colony  
Fatehgunj  
Baroda 390 002
5. Governement School for the Blind  
Pensionpura

- Baroda 2
6. Krishna Kumar Singh Ji Andh Udyog Shala  
Near New Filter  
Bhavnagar 364 002
  7. Andhjan Mandhyamic Shala  
Gandhi Nagar
  8. Andhjan Vividhlaxhi Talim Kendra  
Aerodrome Road  
Jamnagar 361 006
  9. Shree Andh Vidyarthi Bhuvan  
Visavadar  
Dist. Junagadh
  10. V. D. Parekh Andh Mahila Vikas Gruh  
Dheberbhai Road  
Rajkot

## **HARYANA**

1. Sanatan Dharam Institution for the Blind  
Jagadhari Road  
Ambala Cantonement 133 001
2. Government Institute for the Blind  
Panipat  
Karnal 132 103

## **KARNATAKA**

1. Minto Ophthalmic Hospital  
Bangalore 560 002

2. Government School for the Blind  
Near Chandra Shekar Patil Stadium  
I. Van-E  
Shani Road  
Gulburga
  
3. Government School for the Blind  
Siddharnadhamutt  
Hubli  
Dharwar 580 024
  
4. NAB Mobility Training Centre  
National Association for the Blind  
NAB Rehabilitation Complex  
B. A. Site No. 4  
Jeevan Bima Nagar  
Bangalore 560 075

## **KERALA**

1. Calicut School for the Blind  
Post Kolathara  
Calicut
2. Government School for the Blind & the Deaf-Dumb  
Thrichur Road  
Kunnam Kulam  
Thrichur 680 503
3. Light to the Blind  
Christugiri  
P. O. Sinivasapuram  
Varkala  
Trivandrum 695 145
4. Kerala Federation of the Blind  
Kunnukuzhi  
Thiruvananthapuram 695 034

## **MADHYA PRADESH**

1. Government Deaf, Dumb and Blind School  
Opp. Santhosh Lodge  
Daagam Hospital  
Juni Bilapur
2. M. P. Welfare Association for the Blind  
Drishtiheen Kanya Vidyalaya  
Yamuna Niwas  
Bada Bazar  
Dewas 455 001

3. Chandra Shekhar Azad Adiwasi Gramin  
Drishtiheen Punarvasan Kendra  
Bhabra  
Dist. Jhabua
4. Netraheen Avam Viklang Mahavidyalaya  
(Blind & Disabled School)  
Topkhana  
Rewa 486 001

## **MAHARASHTRA**

1. School for the Blind  
P. O. Karnji, Tal. Pathardi  
Dist. Ahmednagar
2. Dr. Narendra Bhivapurkar andh Vidyalaya  
Wadali Road  
Near Jail Quarters  
Amravati Camp 2
3. Smt. Kamla Mehta Dadar school for the Blind  
160, Dadasaheb Phalke Road  
Dadar  
Mumbai 400 014
4. Happy Home and School for the Blind  
Dr. Annie Besant Road  
Worli  
Mumbai 400 018
5. Blind Boys Institute  
South Ambazari Road  
Nagpur 400 022

6. School for the Blind  
At Post Bodhdi  
Tal. Kinwat  
Dist. Nanded
  
7. The Poona School & Home for the Blind  
14-17, Koregaon Park  
Pune 411 001

## **MANIPUR**

Government Ideal Blind School  
Takyal  
Social Welfare Complex  
P. O. Imphal 795 001

## **NAGALAND**

Government Blind School  
B. P. O. Pherima  
Kohima 797 106

## **NEW DELHI**

1. Government School for the Blind  
Kingsway Camp  
New Delhi 110 009
  
2. Rashtriya Virjanand andh Mahavidyalaya  
Senior Secondary School  
New Rajendra Nagar  
New Delhi 110 060

## **RAJASTHAN**

Government Higher Secondary School for the Blind  
Adarsh Nagar  
Ajmer

## **TAMIL NADU**

1. T. E. L. C. School for the Blind  
Berugur  
Dist. Dharmapur 635 104
2. C. S. I. School for the Blind  
Irenipuram  
Kanyakumari 629 171
3. Government Higher Secondary School for the Blind  
Poonamallee  
Chennai
4. Little Flower Convent School for the Blind  
Cathedral Post, Teynampet  
Chennai 600 006
5. Amalarakini School for the Blind  
Husainagar, Via Arani  
Dist. North Arcot 632 336
6. T. E. L. C. School for the Blind  
S. M. Hospital  
Post Tiruppattur  
Dist. Pasumpon-Muthuramalingam



7. School for the Blind  
Palayamkottai  
Dist. Tirunelveli

## **UTTAR PRADESH**

1. Ahmadi School for the Blind  
Shamsad Marg  
Aligarh Muslim University  
Aligarh 202 001
2. Government Blind Girls School  
Saharanpur
3. National Institute for the Visually Handicapped  
116, Rajpur Road  
Dehra Dun 248 001

## **WEST BENGAL**

1. The Salvation Army  
Mary Scott Home for the Blind  
9th Mile  
Kalimpong  
Darjeeling 734 301
2. Ananda Bhawan  
Vill. Jagatpur  
P. O. Brindabanpur  
Howrah 711 315
3. Louis Braille Memorial School for the Blind  
Birla Road  
Makhla  
Hoogly

4. Calcutta Blind School  
Behala  
24 Parganas  
Calcutta 700 034

## LOW VISION ADVISORY SERVICES ABROAD

### THAILAND

Mr. J. Kirk Horton  
Regional Representative  
Hilton Perkins Program  
420 Rajavithi Road,  
Bangkok 10400  
Thailand

### U. S. A

1) Dr. Natalie Barraga  
Professor Emeritus  
EDB 306  
The University of Texas  
Austin  
Texas 78712, U. S. A.

2) Ms. Ann Corn  
Professor  
Dept. of Special Education  
Peabody College  
Vanderbilt University  
Box 328  
Noshvilla  
TN 37208, U. S. A.

3) Lighthouse International  
11 East, 59th Street  
(Between Park and Lexington Avenue)  
New York  
N. Y. 10022-1202  
U. S. A.

4) Perkins School for the Blind  
175 North Beacon Street  
Watertown  
Massachusetts 02172  
U. S. A.

5) Mr. Sherry Raynor  
President  
Blind Children Fund  
4740 Okemos Road  
Okemos MI 48864-1637

**U. K.**

Royal National Institute for the Blind  
224, Great Portland Street  
London WIN 6AA  
U. K.

**THE NETHERLANDS**

International Society for Low Vision Research and Rehabilitation  
(ISLRR)  
C/o. Amersfoortsestraatweg 180  
1272 R R Huizen  
The Netherlands

## GLOSSORY OF TERMS

**ACCOMODATION:** The power of the eye to alter the size of its lens in order to adjust the focus of the eye for distance and near seeing.

**AMBLYOPIA:** A terms used to describe a condition of the inability of an eye to see well.

**AMBLYOPIA EX ANOPSIA:** Amblyopia acquired through lack of use.

**AMETROPIA:** Imperfection in the refractive power of the eye so that images are not brought to a proper focus on the retina.

**ASTIGMATISM:** An irregularly shaped eye in which the refractive power in the several meridians is different, preventing light rays from coming to sharp focus on the retina.

**BINOCULAR:** Using both eyes simultaneously.

**CATARACT:** Opacity of the crystalline lens.

**CONCAVE LENS:** Lens having the power to diverge rays of light, also known as diverging, reducing, negative, myopic or minus lens, denoted by the sign (-).

**CONVEX LENS:** Lens having power to converge rays of light and to bring them to a focus, also known as converging, magnifying, hyperopic or plus lens, denoted by the sign (+).

**CONES:** These are one of the two types of light-sensitive nerve endings that constitute the retina and make it possible for it to transmit visual impulses to the brain. Forum sense and colour sense are learned through the cones.

**CONJUNCTIVA:** The covering of the eyeball and lining of the lids.

**DARK ADAPTATION:** The power of the eye to adjust itself to a dim light.

**DIOPTER:** The amount by which a lens can bend a light ray within a distance of one meter. A term used to describe the strength (focal length) of a lens.

**DIPLOPIA:** Double vision.

**FIELD OF VISION:** An area which can be seen at one time without shifting the head or eyes, while fixing the gaze at central point in the field.

**FOOT CANDLE:** Unit of measurement of light intensity; the amount of light shed by a standard candle at a distance of one foot.

**FUSION:** Co-ordination of the images, seen by each eye individually, into one picture.

**GLARE:** A quality of light which causes discomfort; it may result from a direct light source within the field of vision or from a reflection of a light source not in the field of vision.

**GLAUCOMA:** Disease of the eye marked by increased pressure in the eye resulting in hardness of the eyeball; can cause blindness.

**HYPEROPIA:** Far sightedness. Short or undeveloped eye in which light rays are focused behind the retina.

**IRIS:** Coloured, circular membrane, which regulates the amount of light entering the eye by changing the size of the pupil.

**LUMEN:** A unit of measurement of the light output of a light source, Modern lamps are rated in lumens.

**MICROPTHALMOS:** A very small eyeball.

**MYOPIA:** Near-sightedness, a long eye in which rays of light comes to a focus in front of the retina, resulting in blurred distant vision.

**NYSTAGMUS:** Involuntary rotating or oscillating movements of the eyeball.

**OCCLUSION:** The method of obscuring the vision of good eye, so as to force the use of the weaker eye.

**OPTIC ATROPHY:** Atrophy of the optic nerve.

**PRESBYOPIA:** Lessening of the elasticity of the lens and ciliary muscle of the eyeball. This brings about some degree of loss of the power to accommodate or focus a clear image on the retina for near work.

**REFRACTION:** Clinical measurement of the bending of the rays of light in the eye.

**REFRACTIVE ERROR:** Innermost crust of the eye. Made up of 10 layers of neural cells and neural tissues.

**RETINAL DETACHMENT:** Separation of the retina from the back of the eye.

**RETINIS:** Inflammation of the retina.

**RETINITIS PIGMENTOSA:** A form of hereditary degeneration of the retinal pigment epithelium, which produces a gradual loss of vision at first in dim light or at night and later progresses to day blindness leading to total blindness.

**RODS:** Together with cones, are receptors for the optic nerve, rods perceive light and motion.

**SCOTOMA:** A blind spot in the field of vision other than the true blind spot. There may be more than one present and then they are called scotomata, the plural form of the term.

**STRABISMUS:** Cross-eyes.

**STEREOPSIS:** Depth perception.

**TELESCOPIC LENSES:** Special lenses for persons with advanced degrees of sight impairment. They consist of two lenses (of the usual kind), properly ground and mounted in a frame with one a short distance in front of the other, in effect they form a sort of telescope or, more properly, the whole set of glasses makes a kind of binoculars.

**TRACHOMA:** Chronic conjunctivitis with keratitis leading to corneal blindness if not treated properly.

**VISION:** The ability to see and to interpret what is seen.

**VISUAL ACUITY:** Sharpness of vision in respect to ability of the eye to distinguish details as an object is placed further away or as it becomes smaller in size.

**XEROPHTHALMIA:** Dryness of the eye due to vitamin A deficiency.

Source : "TEACHING ABOUT VISION"  
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Association  
Year : 1960

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