Resource Guide
For Persons
With
Low vision

SUBHASH A. DATRANGE

NATIONAL ASSOCIATION FOR THE BLIND, INDIA
11, KHAN ABDUL GAFFAR KHAN ROAD,
WORLI SEAFACE, MUMBAI – 400 025.
December 1999
First Edition

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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 ACTIN 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 on 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”.
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@lveysstph.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

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
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

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


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

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@giabsbm01.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

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.


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

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

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**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

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

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

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
Working hrs: 9.00 a.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 Alpaiwallas 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:


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 coordination 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:

Kitchen Aids:

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

Writing Aids:


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)


**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 Seaside
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. Andhjan 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. Governent 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

   M. P. State Government Panchayat & Social Welfare
   Directorate
   Marwari Lane
   Sadar Bazar
   Bilaspur

2. NAB M. P. State Brach
   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  
   Ahmedabad 380 052

   Mamta Mouri Vidya Mandir  
   Palanpur  
   Banaskantha

4. Andha Kanya Vikas Gruh  
   50-B, Middle Class Society  
   Opp. Jayesh Colony  
   Fatehgunj  
   Baroda 390 002

5. Government 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

   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
LOWVISION ADVISORY SERVICES ABROAD

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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 term 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, Morden lamps are rated in lumens.
**MICROPHTHALMOS:** 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 on 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 keratites 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.

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