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Water and sanitation for disabled people and other vulnerable groups: Designing services to improve accessibility

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Appendix 1

List of resources

A1.1 Inclusive design

Barker, P. Barrick, J. and Wilson, R. (1995) *Building Sight. A Handbook of building and interior design solutions to include the needs of visually impaired people*. HMSO & Royal National Institute for the Blind: London.

Bone, S. (1996) *Buildings for All to Use*. Construction Industry Research and Information Association (CIRIA): London. <http://www.ciria.org.uk/> (Good practice guidance for improving existing public buildings for people with disabilities).

Bucks & Milton Keynes Building Control Managers (2004) *Accessibility by Design: A Standard Guide*. McMillan-Scott: UK. http://www.mkweb.co.uk/building_control/documents/part_1_Accessibility_by_Design.pdf

CAE (2004) *Designing for Accessibility*. Centre for Accessible Environments and RIBA Enterprises: London.

CAE (2004) *Good Loo Design Guide*. Centre for Accessible Environments and RIBA Enterprises: London.

CAE Information sheets also available on the website, e.g. http://www.cae.org.uk/sheets/designs_sheets/steps_stairs.html.

Cheshire County Council (2003) *Pedestrian Access & Mobility – A Code of Practice*. Cheshire County Council: UK. <http://www.cheshire.gov.uk/NR/exeres/2E865610-3AB1-431F-8DE8-36B16D103C7D,frameless.htm?PageVersion=PRINTER FRIENDLY>

Disability Rights Commission (2003) *Creating an Inclusive Environment - a report on improving the Built Environment*. <http://www.drc-gb.org/publicationsandreports/publicationdetails.asp?id=157§ion=access>

UNESCAP (1995) *Promotion of Non-handicapping physical environments for Disabled Persons: Guidelines*. United Nations Economic and Social Commission for Asia and the Pacific: UN: New York. (Includes policy and legislation issues,

design recommendations, & Annex VIII: Sample community accessibility checklist.) <http://www.unescap.org/esid/psis/disability/decade/publications/z15009gl/z1500901.htm>

Transport

Venter, C.J. et al (2004) *Overseas Road Note 21: Enhancing the mobility of disabled people: Guidelines for Practitioners*. Transport Research Laboratory & DFID, UK. http://www.transport-links.org/transport_links/filearea/publications/1_831_ORN%2021.pdf

Emergencies

Dacheux, Gilles avec Sophie Ferneeuw (2003) *Infrastructure et post-crise: Reconstruction attentive aux situations de handicap*. Prévention des risques, et construction dans les situations exceptionnelles. Handicap International: Lyon, France.

A1.2 Water supply and sanitation

Service delivery

Carl Bro International (undated) *Rural water supply and sanitation. Handbook for extension workers. Vol.1: Community Management. Vol.2: Technology Development*. UNICEF, Uganda Ministry of Gender, Labour & Social Development, Directorate of Water Development & Ministry of Health: Uganda.

Dacheux, Gilles avec Sophie Ferneeuw (2003) *Infrastructure et post-crise: Reconstruction attentive aux situations de handicap*. Prévention des risques, et construction dans les situations exceptionnelles. Handicap International: Lyon, France.

Smet, J. and van Wijk, C. (2002) *Small Community Water Supplies: Technology, People and Partnership*. Technical Paper Series 40. IRC International Water and Sanitation Centre: Delft, The Netherlands. <http://www.irc.nl/page/1917>

WELL (1998) *DFID Guidance Manual on Water Supply and Sanitation Programmes*. WELL Resource Centre Network for water sanitation and environmental health. WEDC: Loughborough University, UK. <http://www.lboro.ac.uk/well>

Participatory approaches to water

PRA is now increasingly taken to mean Participation, Reflection and Action, or **PLA**: Participatory Learning and Action. <http://www.ids.ac.uk/ids/particip/>

Chambers, R. (2002) *Participatory Workshops: A Sourcebook of 21 Sets of Ideas and Activities*. Earthscan: UK.
<http://www.ids.ac.uk/ids/particip/index.html>

Deverill, P. et al (2002) *Designing water supply and sanitation projects to meet demand in rural and peri-urban communities. Book 3: Ensuring the participation of the poor*. WEDC: Loughborough University, UK.
<http://wedc.lboro.ac.uk/publications/pdfs/dwss/dwss3.pdf>

Demand Responsive Approach:
http://www.worldbank.org/watsan/rural_dra.html

Mukherjee, N. and van Wijk, Christine (eds.) (2003) *Planning and Monitoring in Community Water Supply and Sanitation. A Guide on the Methodology for Participatory Assessment (MPA) for Community-Driven Development Programs*. World Bank Water and Sanitation Programme; International Water and Sanitation Centre: Washington.
<http://www.wsp.org/pdfs/mpa%202003.pdf>

Sawyer, R., Simpson-Hébert, M. and Wood, S. (1998) *PHAST step-by-step guide: A participatory approach for the control of diarrhoeal diseases*. World Health Organization: Geneva.
http://www.who.int/water_sanitation_health/hygiene/envsan/phastep/en/

Technical information

Centre for Disease Control Tippy Taps
<http://www.cdc.gov/safewater/tippy-tap.pdf>

Franceys, R., Pickford, J. and Reed, R. (1992) *A Guide to the Development of On-Site Sanitation*. World Health Organization: Geneva. http://www.who.int/water_sanitation_health/hygiene/envsan/onsitesan/en/

Hoy, D. et al (2003) 'Low back pain in rural Tibet', *The Lancet*, Vol.361, Issue 9353, pp. 225-226.

Hurtado Elena (1993) 'Tippy tap saves water', *Dialogue on Diarrhoea*, no. 54. <http://www.rehydrate.org/dd/dd54.htm#page6>

Rainwater Harvesting, water purification, www.rdic.org

Skinner, B. (2003) *Small-Scale Water Supply. A review of technologies*. ITDG & WEDC/LSHTM: UK.

Water For The World: a series of USAID technical notes covering all aspects of rural water supply and sanitation, available online: <http://www.lifewater.org/wfw/wfwindex.htm>

WELL Publications (available online <http://www.lboro.ac.uk/well> or contact WELL): well@lboro.ac.uk

WELL Fact sheets: e.g. Smet, J. (2003) *Domestic Rainwater Harvesting*.

WELL Briefing Note: 'Why should the water and sanitation sector consider disabled people?', on water and sanitation and the MDGs, and others.

WELL Technical Briefs: e.g. *Brief 45: Latrine slabs and seats*, *Brief 35: Low-lift irrigation pumps*, *Brief 36: Ferrocement water tanks*.

A1.3 Human rights

United Nations (1948) *Universal Declaration of Human Rights*.
United Nations: Geneva.
<http://www.un.org/Overview/rights.html>

United Nations (1989) *Convention on the Rights of the Child*.
United Nations: New York.
<http://www.crin.org/docs/resources/treaties/uncrc.htm>

DFID (2000) *Realising human rights for poor people*.
Strategies for achieving the international development targets.
Department for International Development: UK.
<http://www.dfid.gov.uk/pubs/files/tsphuman.pdf>

Human right to water

Lenton, R. and Wright, A. (2004) *Interim Report of Task Force 7 on Water and Sanitation. Executive Summary*. Millennium Project, UNDP: <http://www.unmillenniumproject.org/documents/tf7interimexecsum.pdf>

WaterAid and Rights and Humanity (2004) *The Right to Water*.
Website: <http://www.righttowater.org.uk>

Water Supply and Sanitation Collaborative Council (WSSCC) *Global WASH Forum. Dakar Statement*. December 2004.
<http://www.wsscc.org/dataweb.cfm?code=516>.

Disabled people's human rights

United Nations (1993) *Standard Rules on Equalization of Opportunities for Disabled Persons*. United Nations: New York. <http://www.independentliving.org/standardrules/StandardRules1.html>

UNESCAP (2003) *Biwako Millennium Framework for Action Towards an Inclusive, Barrier-Free and Rights-Based Society for Persons with Disability in Asia and the Pacific*. UN Economic and Social Commission for Asia and the Pacific: Bangkok. <http://www.unescap.org/esid/psis/disability/bmf/bmf.html>
<http://www.un.org/esa/socdev/enable/rights/>

Jones, H.E. (2001) *Disabled Children's Rights: a practical guide*. Save the Children: Stockholm, Sweden. <http://www.rb.se/bookshop>; <http://rb.st/bookshop/>

Lansdown, G. (2001) *It is our World Too!* A report on the lives of disabled children. Disability Awareness in Action: London. <http://www.daa.org.uk/ItisOurWorldToo.htm>

Working Group of the Ad Hoc Committee on International Convention on the Rights of Persons with Disabilities. New York, 5 - 16 January 2004. *Report of the Working Group to the Ad Hoc Committee*. A/AC.265/2004/WG/1. United Nations. <http://www.un.org/esa/socdev/enable/rights/ahcwgreport.htm>

A1.4 Poverty and development

DFID (2001) *Poverty: Bridging the Gap. Guidance Notes*. Issues. Department for International Development: UK. <http://www.eldis.org/static/DOC12336.htm>

Eurodad (2004) PRSP: *Eurodad's work on Poverty Reduction Strategy Papers*. <http://www.eurodad.org/workareas/default.aspx?id=92>.

Nicol, A. (2000) *Adopting A Sustainable Livelihoods Approach to Water Projects: Implications for Policy and Practice*. *Sustainable Livelihoods Working Paper Series*. Overseas Development Institute: London. <http://www.odi.org.uk/publications/wp133.pdf>

Sustainable Livelihoods. Website: <http://www.livelihoods.org/>

WaterAid (2004) *Poverty Reduction Strategy Papers*. http://www.wateraid.org.uk/in_depth/policy_and_research/poverty_reduction_strategy_papers/default.asp.

World Bank (2003) *Millennium Development Goals*. Website: <http://www.developmentgoals.org/>

World Bank (2004) *Poverty Reduction Strategies (PRSPs)*. Website: <http://www.worldbank.org/poverty/strategies/>

Poverty and disability/vulnerability

Actionaid Bangladesh (1996) *Four Baseline Surveys on Prevalence of Disability*. Disability & AIDS Coordination Unit. Actionaid: Dhaka, Bangladesh.

Bangladesh Bureau of Statistics (2000) *Statistical Pocketbook*. Dhaka, Bangladesh.

Bonnel, R. (2004) *PRSPs & Disability*. Presentation at World Bank Meeting for the Global Partnership on Disability & Development.

<http://siteresources.worldbank.org/DISABILITY/Resources/News---Events/GPDD/1PRSDisabilities.ppt>

de Vries, C. (2004) *'Disabled Persons are more vulnerable to HIV'*. DCDD Newsletter, November 2004. Dutch Coalition on Disability and Development: Utrecht, Netherlands.

http://www.dccd.nl/data/1099587276087_DCDD%20newsletter%209.pdf

Elwan, A. (1999) *Poverty and Disability: a survey of the literature*. World Bank: http://siteresources.worldbank.org/DISABILITY/Resources/Poverty/Poverty_and_Disability_A_Survey_of_the_Literature.pdf

HAI (2002) *State of the world's older people 2002*. HelpAge International: London, UK.

<http://www.helpage.org/images/pdfs/SOTWOPeng.pdf>

Handicap International and NFOWD (2003) *Disability and the PRSP in Bangladesh. A position document*. HI-Bangladesh: Dhaka.

Reed, B.J., Christie, C. and Fisher, J. (draft) *Did I Phrase that Correctly?* WEDC: Loughborough, UK. http://wedc.lboro.ac.uk/projects/new_projects3.php?id=19

Saunders, C. and Miles, S. (1990) *The Uses and Abuses of Surveys in Service Development Planning for Disabled People: the Case of Lesotho*. Save the Children/UK: London.

<http://www.eenet.org.uk/bibliog/scuk/surveys.shtml>

Teachers from Mpika, Zambia (2003) *Researching our Experience*. Enabling Education Network (EENET): Manchester, UK.

http://www.eenet.org.uk/action/rsrching_experience.pdf

A1.5 Disability and development policy

ADB (2002) *Disability Brief: Identifying and Addressing the Needs of Disabled People*. Asian Development Bank: Manila.

DFID (2000) *Disability, Poverty and Development*. Issues Paper. Department for International Development: UK. <http://www.dfid.gov.uk/pubs/files/disabilitypovertydevelopment.pdf>

European Disability Forum (2002) *Development Cooperation and Disability*. European Disability Forum: Brussels. http://www.edf-feph.org/en/policy/development/dev_pub.htm

Ortiz, I. (2004) *Disability KAR: Assessing Connections to DFID's Poverty Agenda*. Overseas Development Group: UK. http://www.disabilitykar.net/pdfs/isabel_ortiz_report_final1.pdf

Thomas, P. (2004) *DFID and Disability. A Mapping of the Department for International Development and Disability Issues*. Disability KAR: UK. http://www.disabilitykar.net/pdfs/mapping_report_web1.pdf

SIDA (1999) *SIDA's Development Co-operation for Children and Adults with Disabilities*. Swedish International Development Cooperation Agency, Department for Democracy and Social Development (DESO): Stockholm, Sweden. <http://www.sida.se/content/1/c6/02/65/17/FunkHindEng.pdf>

NORAD (2002) *The Inclusion of Disability in Norwegian Development Co-operation*. Norwegian Agency for Development Cooperation: Oslo, Norway. <http://www.norad.no/default.asp?FILE=items/2751/116>

Office of the Deputy President (1997) *Integrated National Disability Strategy White Paper*. Government of South Africa. http://www.polity.org.za/html/govdocs/white_papers/disability1.html

USAID (1997) *USAID Disability Policy Paper*. The United States Agency for International Development: Washington, USA. <http://www.usaid.gov/about/disability/DISABPOL.FIN.html>

Stienstra, D., Fricke, Y. and D'Aubin, A. (2002) *Baseline Assessment: Inclusion and Disability in World Bank Activities*. The World Bank: Washington. http://siteresources.worldbank.org/DISABILITY/Resources/Overview/Baseline_Assessment_Inclusion_and_Disability_in_World_Bank_Activities.pdf

Metts, R.L. (2000) *Disability Issues, Trends and Recommendations for the World Bank*. The World Bank: Washington. http://siteresources.worldbank.org/DISABILITY/Resources/Overview/Disability_Issues_Trends_and_Recommendations_for_the_WB.pdf

A1.6 Including disabled people in development

At project design level

Heinicke-Motsch, K. and Sygall, S. (2003) *Building an Inclusive Development Community: a manual on including people with disabilities in international development programs*. Mobility International USA: Eugene, Oregon USA.
http://www.dec.org/pdf_docs/PNACY408.pdf

Jones, H. (1999) Integrating a disability perspective into mainstream development programmes: the experience of Save the Children (UK) in East Asia. In: E. Stone *Disability and Development: learning from action and research on disability in the majority world*. The Disability Press: Centre for Disability Studies, Leeds, UK.

Stubbs, S. (1993) *Integrating Disability into Development Programmes: guiding principles and key questions*. Save the Children: UK.
http://www.eenet.org.uk/theory_practice/integrat.shtml

Wiman, R. (2001) *Rapid Handicap Analysis of Development Activities: An Instrument for Inclusive Project Design*. STAKES, National Research and Development Centre for Welfare and Health, for and on behalf of the United Nations. Helsinki, Finland. <http://www.stakes.fi/sfa/rhachecklist.htm>

Werner, D. (1995) Strengthening the Role of Disabled People in Community Based Rehabilitation Programmes. In B. O'Toole and R. McConkey *Innovations In Developing Countries For People With Disabilities*. Lisieux Hall Publications: UK.
<http://www.eenet.org.uk/parents/book/bookcontents.shtml>

Training materials

Harris, A. and Enfield, S. (2003) *Disability, Equality and Human Rights: a training manual for development and humanitarian organisations*. Oxfam and Action on Disability and Development: Oxford, UK.

Jones, H. (1999) *Including Disabled People in Everyday Life: a practical approach*. Save the Children: UK.

UNESCAP (1995) *Promotion of Non-handicapping physical environments for Disabled Persons: Guidelines*. United Nations Economic and Social Commission for Asia and the Pacific: UN: New York. (Appendix VII: Disability simulation exercise)
<http://www.unescap.org/esid/psis/disability/decade/publications/z15009gl/z1500901.htm>

UNHCR and ISCA (2000) Action for the Rights of Children (ARC). Module 11 — Critical Issues: Disability. United Nations High Commissioner for Refugees; International Save the Children Alliance: Geneva.

<http://www.savethechildren.net/arc/what.html>

Van Ginneken, L. et al (2004) *Health Education for Behaviour Change*. Network Learning: Amsterdam. Using role-play to promote behaviour change.

<http://www.networklearning.org/books/hebc.html>

Facilitating participation in groups

Lewis, I. (ed.) (2000) *Access for All: Helping to make participatory processes accessible for everyone*. Practice Guidelines. Save the Children: UK.

http://www.eenet.org.uk/bibliog/scuk/access_for_all.pdf

Loughborough University (2004) *Disabilities & Additional Needs Service*. <http://www.lboro.ac.uk/disabilities/>

A1.7 Individual aids and equipment

Handicap International Belgium. *Booklet on household adaptations for daily living*. PRC, Siem Reap: Cambodia (drawings and text in Khmer)

Helander, E., Mendis, P., Nelson, G. and Goerdts, A. (1989) *Training in the Community for People with Disabilities*. World Health Organization: Geneva.

IICP (1999) Series of booklets: *Cleanliness for the Child with Cerebral Palsy, Special Furniture, Toileting for the Child with Cerebral Palsy*. Indian Institute of Cerebral Palsy: Kolkata, India.

UNESCAP (1997) *Production and distribution of Assistive Devices for People with Disabilities*. United Nations: New York. <http://www.unescap.org/esid/psis/disability/decade/publications/z15001p1/index.asp>

Van der Hulst, G., Velthuys, M. and de Haan, G. (1993) *More with Less: Aids for disabled people in daily life*. TOOL: Amsterdam.

Werner, D. (1987) *Disabled Village Children. A guide for community health workers, rehabilitation workers, and families*. Hesperian Foundation: USA.

<http://www.healthwrights.org/books/disabledvch.htm>

Werner, D. (1998) *Nothing About Us Without Us: developing innovative technologies for, by and with disabled persons*. Healthwrights: Palo Alto, CA, USA.
<http://www.healthwrights.org/books/nothingabout.htm>

WHO (1993) *Promoting the Development of Young Children with Cerebral Palsy*. A guide for mid-level rehabilitation workers. World Health Organization: Geneva.

WHO (1996) *Promoting Independence following a Spinal Cord Injury*. A manual for mid-level rehabilitation workers. World Health Organization: Geneva.

WHO (1996) *Promoting the Development of Infants and Young Children with Spina Bifida and Hydrocephalus*. A guide for mid-level rehabilitation workers. World Health Organization: Geneva.

WHO (1999) *Promoting Independence Following a Stroke: A guide for therapists and professionals working in Primary Health Care*. World Health Organization. Geneva.

A1.8 Household level assessments and problem-solving

CBR-DTC (undated) *Finding Out about a Person and Her Problem*. CBR Development Training Centre: Solo, Indonesia.

Helander, E., Mendis, P., Nelson, G. and Goerdts, A. (1989) *Training in the Community for People with Disabilities*. World Health Organization: Geneva. (Especially: Guide for local supervisors p.18, Locating and identifying people with disabilities.)

Helander, E. (1999) *Prejudice and Dignity: an Introduction to Community-Based Rehabilitation*. Second edition. UNDP: New York.

HAI (2000) *Older People in disasters and humanitarian crises: Guidelines for best practice*. Helpage International: London.
<http://www.helpage.org/images/pdfs/bpg.pdf>

Jones, H. (1999) *Including Disabled People in Everyday Life: a practical approach*. Save the Children: UK.

Werner, D. (1987) *Disabled Village Children. A guide for community health workers, rehabilitation workers, and families*. Hesperian Foundation: USA.
<http://www.healthwrights.org/books/disabledvch.htm>

WHO (2001) *The International Classification of Functioning, Disability and Health - ICF*. World Health Organization: Geneva. <http://www3.who.int/icf/icftemplate.cfm>

A1.9 People with visual impairments

Barker, P. Barrick, J. and Wilson, R. (1995) *Building Sight. A Handbook of building and interior design solutions to include the needs of visually impaired people*. HMSO & Royal National Institute for the Blind: London.

Nieman, S. and Jacob, N. (2000) *Helping Children who are Blind*. Early Assistance Series for Children with Disabilities. Hesperian Foundation: California, USA.

RNIB *See it Right Pack*. Royal National Institute for the Blind: UK. Practical advice on designing, producing and planning for accessible information. http://www.rnib.org.uk/xpedio/groups/public/documents/PublicWebsite/public_seeitright.hcsp

Appendix 2

Resource organisations and addresses**A2.1 Water supply and sanitation****International Development Enterprises (IDE)**

Has expertise in water technologies for small-scale irrigation and safe drinking water.

Address: PO Box 1577, Phnom Penh, Cambodia.
 Phone: +855 23 880 604;
 Fax: +855 23 880 059.
 e-mail: ide@online.com.kh
 URL: <http://www.ideorg.org>

International Water and Sanitation Centre (IRC)

News, information, advice, research and training on low-cost water supply and sanitation in developing countries.

Address: P.O. Box 2869, 2601 CW, Delft,
 The Netherlands.
 Phone: +31 15 219 2939;
 Fax: +31 15 2190955.
 e-mail: publications@irc.nl
 URL: <http://www.irc.nl>

Oxfam GB

Address: Oxfam House, 274 Banbury Road, Oxford,
 OX2 7DZ, UK.
 Phone: +44 870 333 2700.
 URL: <http://www.oxfam.org.uk/>

NGO Forum for Drinking Water Supply & Sanitation

Address: 4/6 Block-E Lalmatia, Dhaka-1207, Bangladesh.
 Phone: +880 2 815 4273, 2 815 4274;
 Fax: +880 2 8117924.
 e-mail: ngof@bangla.net
 URL: <http://www.ngoforum-bd.org/>

Resource Development International-Cambodia (RDI-C)

Address: P.O. Box 494, Phnom Penh, Cambodia.
 Phone/Fax: +855 23-369577
 e-mail: mickey@rdic.org
 URL: <http://www.rdic.org/home.html>

UNICEF Water and Environmental Sanitation (WES)

Address: UNICEF House, 3 United Nations Plaza,
New York 10017, USA.
Phone: +1 212 326 7000;
Fax: +1 212 887 7465.
URL: <http://www.unicef.org/wes/index.html>

WaterAid

Address: Prince Consort House, 27-29 Albert
Embankment, London, SE1 7UB, UK.
Phone: +44 20 7793 4500;
Fax: +44 20 7793 4545
e-mail: wateraid@wateraid.org
URL: <http://www.wateraid.org.uk/>

Water, Engineering and Development Centre (WEDC)

Address: Loughborough University, Leicestershire,
LE11 3TU, UK.
Phone: +44 1509 222885;
Fax: +44 1509 211079.
e-mail: wedc@lboro.ac.uk
URL: <http://wedc.lboro.ac.uk/>

WELL resource centre for water, sanitation and environmental health

Address: WEDC, Loughborough University,
Leicestershire, LE11 3TU, UK.
Phone: +44 1509 228304;
Fax: +44 1509 223970.
e-mail: well@lboro.ac.uk
URL: <http://www.lboro.ac.uk/well>

World Bank Water and Sanitation Programme (WSP)

Address: 1818 H Street, N.W., Washington, D.C. 20433,
USA.
Phone: +1 202 473-9785;
Fax: +1 202 522-3313, 522-3228.
e-mail: info@wsp.org
URL: <http://www.wsp.org/>

A2.2 Infrastructure**Centre for Accessible Environments**

Address: 70 South Lambeth Road, London SW8 1RL, UK.
Phone:
/textphone: +44 20 7840 0125;
Fax: +44 20 7840 5811.
e-mail: info@cae.org.uk
URL: <http://www.cae.org.uk/>

Disability Rights Commission, UK

Address: DRC Helpline, FREEPOST MID02164,
Stratford upon Avon, CV37 9BR, UK.
Phone: 08457 622 633; textphone: 08457 622 644;
Fax: 08457 778 878.
URL: <http://www.drc-gb.org/>

Disability Wales

Address: Wernddu Court, Caerphilly Business Park,
Van Rd, Caerphilly, CF83 3ED, UK.
Phone: +44 29 2088 7325;
Fax: +44 29 2088 8702.
e-mail: info@dwac.demon.co.uk
URL: <http://www.dvac.demon.co.uk/>

Infrastructure Connect

Website providing information and links about the research
engineering and infrastructure work of DFID
URL: <http://www.infrastructureconnect.info/>

Transport Links

Website about transport in developing countries.
URL: <http://www.transport-links.org>

Transport Research Laboratory (TRL)

Address: Crowthorne House, Nine Mile Ride,
Wokingham, Berkshire, RG40 3GA, UK.
Phone: +44 1344 773131;
Fax: +44 1344 770880.
e-mail: enquiries@trl.co.uk
URL: <http://www.trl.co.uk>

A2.3 Disabled people's organisations**Action to Positive Change on People with Disabilities (APCPD)**

Address: PO Box 12305, Kampala, Uganda.
Phone: +256 77 449 852;
Fax: +256 41 530 412.
e-mail: apcpd@infocom.co.ug

Bangladesh Protibandhi Kallyan Somity (BPKS)

Address: BPKS Complex, Dhakkhinkhan, Uttara,
Dhaka 1230, Bangladesh.
Phone: +88 02 8923915, 02 8960077;
Fax: +88 02 8960078.
e-mail: bpks@citechco.net; bpkswn@agni.com
URL: <http://www.bpksbd.org>

Centre for Services & Information on Disability (CSID)

Address: House 715, Road 10, Baitul Aman
Housing Society, Adabar, Shyamoli,
Dhaka 1207, Bangladesh.

Phone: +88 02 9129727, 02 8125669;
Fax: +88 02 8125669.
e-mail: csid@bdonline.com; csid@bdmail.net
URL: <http://www.csidnetwork.org/>

The Danish Council of Organisations of Disabled People (DSI)

Address: Kløverprisvej 10B, 2650 Hvidovre, Denmark.
Phone: +45 3675 1777;
Fax: +45 3675 1403.
e-mail: dsi@handicap.dk
URL: <http://www.handicap.dk/>

Disability.dk website

Contains a wealth of information on disability in developing countries to support NGOs, governments and others working in the field. Hosted by DSI.

URL: <http://www.disability.dk/>

Disability Awareness in Action (DAA)

Address: 46 The Parklands, Hullavington, Wiltshire,
SN14 6DL, UK.

Phone/Fax: +44 (0)1666 837 671.
e-mail: info@daa.org.uk
URL: <http://www.daa.org.uk/>

Disabled Peoples' International (DPI)

Address: 748 Broadway, Winnipeg, Manitoba,
R3G 0X3, Canada.

Phone: +204 287 8010;
Fax: +204 783 6270.
e-mail: info@dpi.org
URL: <http://www.dpi.org/>

Uganda Society of Hidden Talents (HITS)

Address: Box 7304, Kampala, Uganda.
Phone: +256 71 839801
e-mail: musenyente@hotmail.com

A2.4 Disability and development

Action on Disability in Development (ADD)

Address: Vallis House, 57 Vallis Rd, Frome, Somerset,
BA11 3EG, UK.
Phone: +44 (0)1373 473 064;
Fax: +44 (0)1373 452 075.
e-mail: add@add.org.uk
URL: <http://www.add.org.uk>

The Atlas Alliance

Address: Schweigaardsgt 12, PO Box 9218, Grønland,
0134 Oslo, Norway.
Phone: +47 2217 4647;
Fax: +47 2316 3595.
e-mail: atlas@atlas-alliansen.no
URL: <http://www.atlas-alliansen.no>

CBR Development Training Centre (CBR –DTC)

Address: Jl. LU Adisucipto Km 7, Colomadu,
Solo 57176, Indonesia.
Phone: +62 271 780829, 780075;
Fax: +62 271 780976.
e-mail: cbr@indo.net.id

Centre for the Rehabilitation of the Paralysed (CRP)

Address: PO CRP- Chapain, Savar, Dhaka 1343,
Bangladesh.
Phone: +880 2 7710464/5, or 7711766;
Fax: +880 2 7710069.
e-mail: info@crp-bangladesh.org
URL: <http://www.crp-bangladesh.org>

Disability Action Council (DAC)

Address: PO Box 115, Phnom Penh, Cambodia.
Phone: +855 23 215 341;
Fax: +855 23 218 797.
e-mail: dac@dac.org.kh
URL: <http://www.dac.org.kh>

Dutch Coalition on Disability and Development

Address: PO Box 3356, 3502 GJ Utrecht, Netherlands.
Phone: +31 30 291 6711;
Fax: +31 30 297 0606;
e-mail: dcdd@dcdd.nl
URL: <http://www.dcdd.nl>

EENET Enabling Education Network

Address: c/o Educational Support and Inclusion,
School of Education, University of Manchester,
Oxford Road, Manchester M13 9PL, UK.

Phone: +44 (0)161 275 3711;
Fax: +44 (0)161 275 3548.
e-mail: info@eenet.org.uk
URL: <http://www.eenet.org.uk>

Handicap International (HI)

Address: 14 Avenue Berthelot, 69361 Lyon,
CEDEX 07, France.

Phone: +33 4 7869 7979;
Fax: +33 4 7869 7994.
e-mail: contact@handicap-international.org
URL: <http://www.handicap-international.org>

Indian Institute of Cerebral Palsy (IICP)

Address: P 35/1 Taratolla Rd, Kolkata, 700 088, India.

Phone: +91 33 2401 3488, 2401 0240;
Fax: +91 33 2401 4177.
e-mail: info@iicpindia.com
URL: <http://www.iicpindia.com>

International Disability and Development Consortium (IDDC)

A self-managing group of 16 international NGOs supporting disability and development work in over 100 countries globally. Informative website.

Address: c/o Handicap International, Waterman House,
101-107 Chertsey Road, Woking, Surrey,
GU21 5BW5, UK.

Phone: +44 (0)1252 821 429;
Fax: +44 (0)1252 821 428.
e-mail: administrator@iddc.org.uk
URL: <http://www.iddc.org.uk>

Mobility International USA (MIUSA)

Address: PO Box 10767, Eugene, Oregon USA 97440,
USA.

Phone/TTY: +1 541 343 1284;
Fax: +1 541 343 6812.
e-mail: development@miusa.org
URL: <http://www.miusa.org>

Motivation

Works in partnership with a range of organisations to enhance the lives of people with mobility disabilities, including wheelchair design, training of technicians.

Address: Brockley Academy, Brockley Lane, Backwell, Bristol, BS48 4AQ, UK.
 Phone: +44 (0)1275 464012;
 Fax: +44 (0)1275 464019.
 e-mail: info@motivation.org.uk
 URL: <http://www.motivation.org.uk>

Royal National Institute of the Blind (RNIB)

Address: 105 Judd Street, London, WC1H 9NE, UK.
 Phone: +44 (0)20 7388 1266;
 Fax: +44 (0)20 7388 2034.
 e-mail: helpline@rnib.org.uk
 URL: <http://www.rnib.org.uk>

Save the Children

Address: 1 St. John's Lane, London EC1M 4AR, UK.
 Phone: +44 (0)20 7012 6400;
 Fax: +44 (0)20 7012 6963.
 URL: www.savethechildren.org.uk

Uganda Society for Disabled Children (USDC)

Address: PO Box 16346, Kampala, Uganda.
 Phone: +256 (0)41 530 864;
 Fax: +256 (0)41 532 589.
 e-mail: ugasoc@africaonline.co.ug
 URL: <http://www.charitynet.org/~usdc/uganda2.htm>

World Federation of Occupational Therapists (WFOT) Secretariat

Address: PO Box 30, Forrestfield, Western Australia, Australia 6058.
 Fax: +61 8 9453 9746.
 e-mail: wfot@multiline.com.au
 URL: <http://www.wfot.org.au>

A2.5 Research

Centre for Disability Studies (CDS)

Interdisciplinary centre for teaching and research in the field of disability studies.

Address: University of Leeds, LS2 9JT, UK.
 Phone: +44 (0)113 343 4414;
 Fax: +44 (0)113 343 4415.
 e-mail: disability-studies@leeds.ac.uk
 URL: <http://www.leeds.ac.uk/disability-studies>

Disability KaR (Knowledge and Research) Programme

Address: Paul Burgon, Overseas Development Group,
 University of East Anglia, Norwich
 NR4 7TJ, UK.
 Phone: +44 (0)1603 457880;
 Fax: +44 (0)1603 591170
 e-mail: p.burgon@uea.ac.uk
 URL: <http://www.disabilitykar.net>

Institute of Development Studies

Address: University of Sussex, Brighton BN1 9RE, UK.
 Phone: +44 (0)1273 606261;
 Fax: +44 (0)1273 621202, 691647.
 e-mail: ids@ids.ac.uk
 URL: <http://www.ids.ac.uk>
 Participation Home Page:
<http://www.ids.ac.uk/ids/particip/index.html>

Joseph Rowntree Foundation

UK social policy research and development charity.

Address: The Homestead, 40 Water End, York,
 North Yorkshire, YO30 6WP, UK.
 Phone: +44 (0)1904 629241;
 Fax: +44 (0)1904 620072.
 e-mail: info@jrf.org.uk
 URL: <http://www.jrf.org.uk/bookshop/>

A2.6 Development

Appropriate Paper Based Technology (APT)

Address: People Potential, Plum Cottage,
 Hattingley Road, Medstead, Alton, Hampshire
 GU34 5NQ, UK.
 Phone/Fax: +44 (0)1420 563741
 e-mail: info@apbt.org.uk; PeopleP@aol.com
 URL: <http://www.apbt.org.uk>

HealthWrights

Address: P.O. Box 1344, Palo Alto, CA 94302, USA.
Phone: +1 (0)650 325 7500;
Fax: +1 650 325 1080.
e-mail: healthwrights@igc.org
URL: <http://www.healthwrights.org>

Helpage International

Address: PO Box 32832, London N1 9ZN, UK.
Phone: +44 (0)20 7278 7778;
Fax: +44 (0)20 7713 7993.
e-mail: hai@helpage.org
URL: <http://www.helpage.org>

The Hesperian Foundation

A non-profit publisher of books and newsletters for community-based health care.

Address: 1919 Addison St, Suite 304, Berkeley, CA 94704, USA.
Phone: +1 510 845 1447,
Fax: +1 510 845 9141.
e-mail: hesperian@hesperian.org
URL: <http://www.hesperian.org>

Network Learning: Amsterdam

Information on using role-play to promote behaviour change.

URL: <http://www.networklearning.org/>

A2.7 International agencies and disability

United Nations: The UN and Persons with Disabilities

Address: Division for Social Policy and Development,
Department of Economic and Social Affairs,
United Nations, DC2-1320,
New York, NY 10017, USA.

Fax: +1 212 963 3062.

URL: <http://www.un.org/esa/socdev/enable/disun.htm>

UNESCAP Disability Programme

Address: Population & Social Integration Section,
The United Nations Building,
Rajadamnern Nok Avenue, Bangkok 10200,
Thailand.

Phone: +66 2 288 1234;

Fax: +66 2 288 1000.

e-mail: escap-esid@un.org

URL: <http://www.unescap.org/esid/psis/disability/index.asp>

Publications: <http://www.unescap.org/esid/psis/publications/index.asp>

WHO Disability and Rehabilitation Team

Address: World Health Organization, Avenue Appia 20,
1211 Geneva 27, Switzerland.

Phone: +41 22 791 2111,

Fax: +41 22 791 3111.

e-mail: dar@who.int

URL: <http://www.who.int/nmh/a5817/en/>

The World Bank and Disability

Address: The World Bank, 1818 H Street, N.W.
Washington, DC 20433 USA.

Phone: +1 202 473 1000; TTY: +1 202 473 4229;

Fax: +1 202 522 6138.

e-mail: Disabilitygroup@worldbank.org

URL: <http://www1.worldbank.org/sp/>
(social protection page) click on Disability from
list of Topics on the left.

Publishers

Earthscan

Books about environment science, technology and sustainable development.

Address: 8-12 Camden High Street, London
NW1 0JH, UK.
Phone: +44 (0)20 7387 8558;
Fax: +44 (0)20 7387 8998.
e-mail: orders@earthscan.co.uk
URL: <http://www.earthscan.co.uk/>

ITDG Publishing

The publishing arm of Intermediate Technology Development Group (ITDG), publishes books on international development and technology (including WEDC publications).

Address: Bourton Hall, Bourton-on-Dunsmore, Rugby,
Warwickshire, CV23 9QZ, UK.
Phone: +44 (0)1926 634501;
Fax: +44 (0)1926 634502.
e-mail: marketing@itpubs.org.uk
URL: <http://www.itdgpublishing.org.uk/>
bookshop: <http://www.developmentbookshop.com/>

Water, Engineering and Development Centre (WEDC)

Address: Loughborough University, Leicestershire,
LE11 3TU, UK.
Phone: +44 1509 222885;
Fax: +44 1509 211079.
e-mail: wedc@lboro.ac.uk
URL: <http://wedc.lboro.ac.uk/>

Appendix 3

Knowledge – Inclusion – Participation – Access – Fulfilling obligation (KIPAF) Framework

(Extract from Ortiz, 2004, pp. 23-24.)

The KIPAF framework is based on concepts from the social model of disability. The poverty and social exclusion cycle facing the majority of disabled people can only be truly overcome when the barriers to their incorporation in society are addressed in an integrated manner – attending to issues of inclusion, access, participation, knowledge and fulfilling obligation in human rights.



The KIPAF framework reflects the DFID human rights agenda by specifically referring to participation, inclusion and fulfilling obligation (DFID, 2000). Access is added as a major disability-specific topic, and knowledge is added given DFID's role as a catalyst of change and supporter of strategic development innovation. Other major development institutions (World Bank, ADB)* are adopting similar approaches to link disability and poverty reduction. The KIPAF framework is thus a DFID-specific product that helps to mainstream disability in development, and at the same time harmonise work with other international institutions.

Knowledge

Disabled people deserve quality of life through knowledge that builds capacity. This includes information gathering on disability issues; research that benefits disabled people and particularly disabled poor people; and effective dissemination of this information so that communities can make good use of it.

Outcome: Knowledge serving the poor and vulnerable groups, disabled people are aware of ideas that improve their lives.

Examples:

- Do you offer any education or training on disability awareness as a core dimension of your project?
- Does your project research and disseminate results in the areas of science, engineering, business and other forms of technical skills development for disabled people?

Inclusion

Inclusion measures how disabled people are taken into social and economic activities, from education to employment. In development institutions like DFID, this would include taking disabled people into account in the design, implementation and evaluation of programmes and policies.

Outcome: Inclusive societies/organisations, disabled people are integrated.

Examples:

- Are you working on mechanisms to ensure that the needs of disabled people are addressed in long- and medium-term planning of national and sector programmes (education, health, employment...) which impact on disabled people?

* The multilateral banks focus on inclusion, access, participation and knowledge (ADB, 2005; Stienstra et al, 2002).

- Do you have policies that provide funding or resources to implement programmes to support disabled people? Describe the mechanisms you have that enable disabled people and their organisations to access financial resources to implement projects in the public and private sector.
- Are you working to strengthen census, statistics, surveys, or background analysis of public policies to ensure they adequately include disabled people?
- Does your project monitor/evaluate and report on the impact of Government/donor programmes on disabled people?

Participation

Participation measures the extent to which disabled people and their chosen representative organisations are given and able to use a voice in decisions that are made affecting their lives and the lives of their communities. In development activities, this means consultation with disabled persons' organisations ensuring that they have a voice in decision-making processes; or DPOs being hired to provide expertise in development planning, programming and evaluation.

Outcome: Democratic practices implemented, disabled people have a voice.

Examples:

- Is there a formal process for consulting with DPOs, disabled people as beneficiaries, families of disabled people, or other stakeholder groups involved in addressing the needs of disabled people? Are they regularly consulted in the planning, design and monitoring of interventions that affect their lives? Do they have power to modify decisions?
- Is your project strengthening any of these participatory aspects?

Access

Access measures how disabled people are able to use built environments, social services, as well as livelihood assets. **Barrier-free environment:** The extent to which buildings, transportation systems and the infrastructure are available to be used by all members of society.

Social services: The extent to which disabled people are able to use and benefit from social services such as education, health or social protection.

Livelihood assets: The extent to which disabled persons are able to acquire assets such as capital or skills, to enable them to generate income by themselves and reduce dependency on others.

Outcome: Equality in infrastructure, services and acquisition of assets; disabled people have improved livelihoods.

Examples:

- Are you working to assist disabled people and their families that may not be receiving any kind of services support?
- Is your project promoting accessible physical environments?
- Have disabled people's livelihoods been improved as a result of your project?

Fulfilling obligation

Strengthening institutions and policies that ensure that obligations to protect and promote the realisation of the rights of disabled people are fulfilled by governments and other duty bearers.

Outcome: Rights enforced, disabled people are empowered.

Examples:

- Are you working on legislation, rules or standards that promote equality and human rights for disabled people?
- Are you working to support governments to implement disability laws?
- Are you raising awareness among disabled people at the local level of their rights and entitlements?

References

ADB (2005) *Disability Brief: Identifying and Addressing the Needs of Disabled People*. Asian Development Bank: Manila. <http://www.adb.org/Documents/Reports/Disabled-People-Development/disability-brief.asp>

DFID (2000) *Realising human rights for poor people*. Target Strategy Paper. DFID: London.

Ortiz, I. (2004) *Disability KAR: Assessing Connections to DFID's Poverty Agenda*. Overseas Development Group: UK. http://www.disabilitykar.net/pdfs/isabel_ortiz_report_final1.pdf

Stienstra, D., Fricke, Y. and D'Aubin, A. (2002) *Baseline Assessment: Inclusion and Disability in World Bank Activities*. The World Bank: Washington. http://siteresources.worldbank.org/DISABILITY/Resources/Overview/Baseline_Assessment_Inclusion_and_Disability_in_World_Bank_Activities.pdf

Appendix 4

Accessibility audit – sample sections

Sample sections selected from Disability Wales' Access Survey Checklist. Additional sections include: Site entrance, Car parking, Paths, Approach to building, Reception, Seating, Induction loops, Telephones, Signs, Fire exits, Fire alarms, Controls, Internal doors, Lobbies, Internal circulation, Vertical circulation, Lifts).

Building elements

Ramps

- Is the gradient gentler than 1:15?
- If not is it gentler than 1:12?
- Is it less than 10m long between landings?
- Is there a level platform at top of ramp, clear of the door swing?

Steps

- Number of steps
- Length of treads
- Height of risers
- Are the edges of steps highlighted?

Handrails

- Are there handrails on both sides of steps and ramps?
- Are handrails easy to grip?
- Are handrails continuous at landings?
- Do they extend at both ends of steps and ramp?
- Colour of handrails
- Are handrails at height of 900mm above surface of ramp or pitch line of steps and 1000mm above surface of landing?

Entrance doors

- Do entrance doors give a clear opening width of 800mm (one leaf of double doors)?

- Are door handles/bells between 900 and 1200mm above ground?
- Are door handles/ bells easy to grip/ use?
- Are doors fully glazed?
- If yes is this clearly identified (e.g. by coloured highlighting)?
- If no are there vision panels between 900 and 1500mm above ground?
- Is the threshold flush?
- Is any mat-well/ mat level and firm?
- Is the floor inside the door non-slip even when wet?

Toilets

- Number of wheelchair accessible WCs per building/ floor/ department
- Are they minimum size 2000 by 1500mm?
- Are rails firm and correctly positioned?
- Are fittings correctly positioned in relation to WC and basin?
- Does the door open out?
- If not, does the door slide?

Appendix 5

Example of assessment checklist*

Checklist A: What activities does the person have problems doing?	
Problems	
a.	Eating/drinking
b.	Washing him/herself
c.	Going to the toilet
d.	Going to school
e.	Getting work or earning money
f.	Doing the housework
g.	Moving in bed/chair/floor/getting around the house
h.	Joining in family/village activities (social occasions)
i.	Meeting new people and making friends, communicating with other people
j.	Walking and getting around the village
k.	Using public transport

Checklist B: Why does the person find these activities difficult?	
Cause of problem	
a.	Stiffness (or contracture or spasticity)
b.	Weakness
c.	Pain
d.	Poor balance or coordination
e.	Problems breathing
f.	Problems with behaviour/ learning/ remembering
g.	Difficulty seeing/ hearing/ speaking
h.	Cannot do activity safely (falls, burns self)
i.	Accessibility (home, school, work)
j.	Family/ community attitudes
k.	Other reasons

* CBR-DTC (undated) *Finding Out about a Person and Her Problem*. CBR Development Training Centre: Solo, Indonesia.

Checklist C: Problem and solution list	
What are the person's main problems?	How can you help the person?

Appendix 6

Description of the research

This research was funded by the UK Department for International Development under its Engineering KaR (Knowledge and Research) programme.

A6.1 Project title

KaR 8059: 'Water supply and sanitation access and use by physically disabled people'

A6.2 Project purpose

The purpose of the research was to improve knowledge and use of appropriate and affordable aids, technologies and approaches by water and sanitation planners and service providers, and by organisations and individuals who assist disabled people and their families in low income communities, to maximise their access to and use of the domestic water cycle.

A6.3 Intended impact

By improving disabled people's access to and use of the domestic water cycle, the results of this project will contribute to restoring dignity to the individual disabled person, help with social integration and reduce the burden of personal care placed on their family members. It will release valuable time, enabling disabled people and their families to apply more effort to improving income and reducing poverty.

A6.4 Outputs

Reports documenting the processes completed during the research, including literature review, electronic conference report, inception report; reports of field-work in Bangladesh, Cambodia and Uganda. This document constitutes the final outputs of the research, including technical solutions, appropriate service delivery processes, and case studies illustrating the positive impact of accessible solutions on disabled people and their families.

A6.5 Methodology

The research was undertaken in three phases:

Phase 1: A situation overview through a literature review and information from key informants; including an electronic conference.

Phase 2: Data collection in collaboration with local DPOs, NGOs, and UN agencies, in 3 countries: Uganda, Bangladesh and Cambodia. (At least one – Cambodia has problems of physical impairments resulting from landmines). The main aim has been to observe and document a range of examples of good practice from which others can learn, and to discuss possible strategies for implementation. Analysis of data and reports produced. Preparation and field testing of the draft resource book.

Phase 3: Publication and dissemination of the resource book. All aspects of the project were supported by an Advisory Panel who provided contacts with overseas groups, and provided technical review of project outputs.

Duration: November 2001 to May 2004.

Project management: WEDC, Loughborough University, UK.
Project Manager: Bob Reed
Assistant Project Manager and principal researcher,
Hazel Jones.

Partners: Centre for Rehabilitation of the Paralysed (CRP) Bangladesh.

Project website: www.lboro.ac.uk/wedc/projects/auwfsfmdp/

Project documents (available from the website):

Jones, H., Reed, R.A. and Parker, K.J. (2002) *Water Supply and Sanitation Access and Use by Physically Disabled People. Literature Review*. WEDC, Loughborough University and DFID: UK.

Lewis, I., Jones, H. and Reed, R.A. (2002) *Water Supply and Sanitation Access and Use by Physically Disabled People. E-conference synthesis report*. WEDC, Loughborough University and DFID: UK.

Jones, H. and Reed, R.A. (2003) *Water Supply and Sanitation Access and Use by Physically Disabled People. Report of field-work in Uganda*. WEDC, Loughborough University and DFID: UK.

Jones, H. and Reed, R.A. (2003) *Water supply and sanitation access and use by physically disabled people. Report of field-work in Bangladesh*. WEDC, Loughborough University and DFID: UK.

Jones, H., Reed, R.A. and House, S.J. (2003) *Water supply and sanitation access and use by physically disabled people. Report of field-work in Cambodia*. WEDC, Loughborough University and DFID: UK.

Jones, H. and Reed, R.A. (2004) *Water supply and sanitation access and use by physically disabled people. Report of second field-work in Bangladesh*. WEDC, Loughborough University and DFID: UK.

WELL Briefing Note No.12: *'Why should the water and sanitation sector consider disabled people?'* WELL, Loughborough University: UK.

