

CURRICULUM VITAE OF PROF. A.K. PATWARI

NAME : Prof. A.K.Patwari

CURRENT POSITION:

Head of Pediatrics Department, Hamdard Institute of Medical Sciences & Research and H.A.H.C. Hospital, Hamdard University, New Delhi

Email: akpatwari@gmail.com

CURRENT MAILING ADDRESS:

Reader Flat No. 2, Lady Hardinge Medical College Campus, Bangla Sahib Road, New Delhi-11000, India

KEY QUALIFICATIONS:

Trained as a Pediatrician and actively involved with various public health programs and activities particularly focusing on maternal, neonatal, child health and nutrition for more than 20 years. Apart from my experience in clinical and public health research, working with the World Health Organization (WHO) in India and Philippines, International Clinical Epidemiology Network (INCLIN) Philadelphia and Boston University School of Public Health has enhanced my professional competence in program development, research proposal writing & reviewing, budgeting, program implementation, health research management, monitoring & evaluation, and interacting & networking with the governments, international organizations, funding agencies and country level investigators involved in collaborative research.

EDUCATION:

- 1977 M.N.A.M.S. (Pediatrics), National Board of Examinations, New Delhi, India
- 1977 MD (Pediatrics), University of Delhi, Delhi, India
- 1975 D.C.H. (Child Health), University of Delhi, Delhi, India
- 1970 MBBS, Punjabi University, Patiala, India

Other Training:

- 1987 One month training course in “**Management Skills in Child Survival**” at the Management Sciences for Health, Boston

PROFESSIONAL CERTIFICATIONS:

- 2007 Human Participant Protections Education for Research Teams, National Institutes of Health (NIH), USA



EXPERIENCE :

- 2012 – Till date Hamdard Institute of Medical Sciences and Research, Hamdard University, New Delhi
- 2008 – 2012 Boston University School of Public Health, Boston
- 2006-2007 The International Clinical Epidemiology Network (INCLEN) Trust, Philadelphia, PA
- 2003 – 2006 Lady Hardinge Medical College, New Delhi, India
- 2003 World Health Organization, India Country Office, New Delhi, India
- 2002 World Health Organization, Western Pacific Regional Office, Manila, Philippines
- 2000 – 2002 World Health Organization, India Country Office, New Delhi, India
- 1985 – 2000 Lady Hardinge Medical College, New Delhi, India
- 1983 – 1985 College of Medical Sciences, University of Maiduguri, Nigeria

RESEACH EXPERIENCE :

1. **Principal Investigator** for 35 institutionally supported research projects on common childhood infections, nutrition, Helicobacter pylori, Celiac Disease, Gastroesophageal reflux etc. (from 1985-2006)
2. **Principal Investigator** for research project on “Clinical predictors of invasive diarrhea” conducted from August 1987 to March 1991 with financial assistance from Indian Council of Medical Research, India.
3. **Co-Investigator** for Boston University study on “Analysis of CCDT’s Residential Care for Children Affected by HIV/AIDS” in Mumbai (2011), supported by USAID.
4. **Co- PI** for India for Bill and Mellinda Gates Foundation supported study on “Global Action Plan for Childhood Diarrhea (DGAP) Project- Landscape analysis from 7 countries” from October 2011- May 2012.
5. **Co-Investigator** for IndiaCLEN Program Evaluation Network (IPEN) nationwide qualitative research project on Pulse Polio1997-98 (Phase I), supported by USAID.
6. **Co-Investigator** for IndiaCLEN Program Evaluation Network (IPEN) study on “Barriers in Polio eradication” (2000-2001), supported by WHO.



EXPERIENCE AS RESEARCH COORDINATOR:

1. Research and Evaluation Coordinator from MCH-STAR Initiative/ USAID supported studies on :

- (i). “ Gap analysis of First Referral Units in Jharkhand” (2008-2009)
- (ii). “ Concurrent evaluation of the reach, effectiveness and impact of the Mukhya Mantri Janani Shishu Swasthya Abhiyan (MMJSSA) in Jharkhand” (2008-2010)
- (iii). “Determinants of undernutrition in children” (2008-2010),
- (iv) “ISPOT (IndiaCLEN Severe Pneumonia oral therapy) study (2009-2011)
- (v). “Assessing the needs for periodic training of ASHA in Uttar Pradesh” and “Community-based maternal death audit in Unnao district” (2009-2010).
- (vi). Evaluation of Malnutrition Treatment Centers (MTCs) and Prospect of Children after Rehabilitation in Jharkhand” (2011- till date).

2. Project Coordinator for INCLN study on “Achieving MDG5: INCLN Program Evaluation Network Pilot Study into Governance of Health Systems in Ethiopia” supported by IDRC, Canada

3. Member of Central Coordinating Team for Immunization Program Evaluations in 1998- 99 (Phase II) and 1999- 2000 (Phase III), Evaluation of Family Health Awareness Program (on Reproductive and Sexually Transmitted Infections including AIDS) during 1998-99 and Evaluation of Universal Immunization Program in India (2004-2005).

EXPERIENCE WITH WORLD HEALTH ORGANIZATION :

A. Integrated Management of Childhood Illness (IMCI)

INDIA :

Adaptation, Development and Field Testing of Training Materials

1. Participated as a representative and Consultant from WHO for Indian Adaptation of generic IMCI and development of its Indian version - Integrated Management of Neonatal & Childhood Illness (IMNCI)
2. Development and field testing of training materials for Physicians and Basic Health Workers



3. Development and field testing of training materials for Faculty Members for Pre-service training
4. Development of training materials for Resident Doctors from Pediatrics and Community Medicine (6 days training package of condensed basic IMNCI plus training guidelines for management in a Referral Hospital)
5. Development of training materials for Training of Master Trainers and Supervisors in Follow Up After IMNCI Training.
6. Indian adaptation of 'IMNCI Student Handbook' for Pre-service education of medical students
7. Participated in incorporating IMNCI guidelines in PGDMCH distance education course of Indira Gandhi National Open University, New Delhi
8. Contributed a chapter on IMNCI in ' Essentials of Pediatrics', one of the most popular books in Pediatrics for undergraduate medical students in India

Facilitator for IMNCI Training Courses

1. Facilitator for several 9 days IMNCI training courses for Physicians (Training of Trainers, In-service Medical Officers) and Basic Health Workers
2. Facilitator for several 6 days Pre-service IMNCI training courses for Faculty Members from Pediatrics
3. Facilitator for several 6 days IMNCI training courses for Resident Doctors
4. Facilitator for 'Beta Test' of Computer Based Generic IMCI guidelines conducted by WHO-HQ at Indira Gandhi National Open University, New Delhi
5. Facilitator for IMNCI Training of Academic Counsellors of PGDMCH distance education course of Indira Gandhi National Open University, New Delhi

Planning and Implementation of IMNCI

1. Coordinated with Ministry of Health and Family Welfare, Govt. of India on all activities related to Planning and Implementation of Integrated Management of Neonatal and Childhood Illness (IMNCI) strategy at National and District levels
2. Assisted Govt. of India for preparation of a document on " Plan of Action for Implementation of IMNCI in India"
3. Represented WHO India Country Office in all the technical meetings related to IMNCI with UNICEF, World Bank, USAID, European Commission , NGOs etc.
4. Developed a District Planning Guide for implementation of IMNCI at District level and submitted to IMNCI Implementation Committee.
5. Worked closely with the focal persons in UNICEF for implementation of IMNCI in Border District Clusters as a part of UNICEF- BDCS strategy.



INDONESIA:

1. Facilitator for 11 days IMCI training course for Physicians at Semarang
2. Participated in a workshop on 'IMCI and Breastfeeding Counselling' at Surabaya

BANGLADESH :

1. Facilitator for IMCI training of Supervisors for Follow Up After IMCI training
2. Facilitator Pre-service IMCI training for Faculty Members from Pediatrics

AUSTRALIA :

1. Participated in a workshop on 'IMCI and Roll Back Malaria'

WESTERN PACIFIC REGIONAL OFFICE OF WHO, MANILA

1. Facilitated early introduction of IMCI in Marshal Island and Solomon Island
2. Facilitated introduction of Follow Up After Training in Lao
3. Monitored IMCI implementation in Cambodia, Vietnam, Mongolia and Papua New Guinea
4. Monitored Pre-service IMCI in Malaysia, Fiji, Vietnam and Philippines
5. Coordinated with the Department of Communicable Disease in WHO Western Pacific Regional Office for the development of future plans for integrating IMCI and Roll Back Malaria.

B. Breastfeeding and Nutrition

1. Coordinator, Task Force on incorporating Infant and Young Child Feeding in undergraduate curriculum of doctors and nurses in India.
2. Represented WHO India Country Office during WHO Global Consultation on Zinc Supplementation held in New Delhi in 2001.
3. Member Advisory Committee on 'Workshop on Micronutrients' organized by Govt. of India and UNICEF in 2003.

C. Control of Diarrheal Diseases

1. Established **the first** full fledged Diarrhoea Training and Treatment Unit (DTTU) in India at Kalwati Saran Children's Hospital, New Delhi in 1988.
2. Served as Director, Diarrhoea Training and Treatment Unit (DTTU) in Kalwati Saran Children's Hospital, New Delhi.



3. Developed a training program based on WHO Guidelines for training key personnel from medical schools in Standard Case Management of Diarrhea and Establishment of DTTUs.
4. Course Director for several WHO Intercountry and National training courses.
5. Established a 'Sentinel Centre for DTTUs', with financial support from Govt. of India, to develop a uniform reporting proforma for all the DTTUs functioning in India, to analyse monthly data and to prepare annual DTTU reports.
6. Member Task Force on Diarrheal Diseases, commissioned by Govt. of India and Indian Academy of Pediatrics, since 1990

D. International Experience as WHO Consultant


1. **Short Term WHO Consultant** to Govt. of **Maldives** for establishment of DTU and training Doctors and Nurses, in September 1990.
2. **Short Term WHO Consultant** to Govt. of **Bhutan** for establishment of DTU and training Doctors and Health Workers, in June 1991.
3. **Short Term WHO Consultant** to Govt. of **Nigeria** for organizing and conducting two National training courses for key personnel from medical schools on Clinical Management of Diarrhea and establishment of DTUs in June 1992.
4. **Short Term WHO Consultant** and Co-Director of CDD Medical Education Workshop on Strengthening of Teaching of Diarrheal Diseases from 5 -15 April 1994 in Dhaka, **Bangladesh**.

PROFESSIONAL AFFILIATIONS:

- Fellowship of National Academy of Medical Sciences (India), conferred in 2010.
- Fellowship of Indian Academy of Pediatrics, conferred in 1996.
- Member Executive Committee (Represented India) : Commonwealth Association of Pediatric Gastroenterology and Nutrition (CAPGAN), 2004-2008
- Managing Editor: Indian Pediatrics, the official journal of Indian Academy of Pediatrics, 1996-2000
- Co-Editor: Synopsis – A current survey of world literature in Pediatrics, an Indo-American quarterly journal, 1998-2006

PUBLICATIONS:

Published **more than 100 original research papers** in peer reviewed indexed journals, including more than 30 papers in international journals. Some of the **selected publications in acute respiratory infections, diarrhea, and infant and child feeding** are as follows:



Acute Respiratory Infections

1. Mathew, J.L., **Patwari, A.K.** et al. Acute Respiratory Infection and Pneumonia in India: A Systematic Review of Literature for Advocacy and Action: UNICEF-PHFI Series on Newborn and Child Health, India. *Indian Pediatr* 2011, 48 (3):191-218.
2. Rizal, A, Beard, J., & **Patwari, A.** Acute respiratory infection Boston university's collaborative research work in the last decade. *Indian Pediatr* 2010, 47(1), 19-24
3. **Patwari, A. K.** and Raina, N. Integrated Management of Childhood Illness (IMCI): a robust strategy. *Indian J Pediatr*,2002, 69(1),41-48.
4. **Patwari, A.K.** et al. Aetiology of pneumonia in hospitalized children. *J Trop Pediatr* 1996 42(1),15-20.
5. **Patwari, A.K.**, et al. Acute respiratory infections in children: a hospital based report. *Indian Pediatr* 1988, 25(7):613-7.
6. Mishra, S., Kumar, H., Anand, V.K., **Patwari, A.K.** & Sharma, D.(1993). ARI Control Programme : Results in Hospitalized Children. *J Trop Pediatr*, 39 (5) :288-292.
7. Chattopadhyaya, D., Chatterjee, R. Anand, V.K., Kumari, S. & **Patwari, A.K.** (1992) Lower respiratory tract infection in hospitalized children due to Respiratory Syncytial (RS) Virus during a suspected epidemic period of RS Virus in Delhi. *J Trop Pediatr*, 38 (2): 68-73.

Diarrhoeal Diseases

1. **Patwari A.K.** Diarrhoea and malnutrition interaction. *Indian J Pediatr.* 1999;66 (1 Suppl):S124-34.
2. Anand VK, Arora S, **Patwari A.K.** et al. Multidrug resistance in *Vibrio cholerae*. *Indian Pediatr* 1996, 33(9):774-7.
3. Sibal A, **Patwari A.K.**, et al. Associated infections in persistent diarrhoea--another perspective. *J Trop Pediatr* 1996, 42(2):64-7.
4. Amin V, Patwari A.K. et al. Clinical profile of cholera in young children--a hospital based report. *Indian Pediatr* 1995,32(7):755-61.
5. **Patwari A.K.** Experiences in case management of diarrhoea in large hospitals. *J Indian Med Assoc* 1995 , 93(6):243-4, 236, 242.
6. Chhabra A, **Patwari A.K.** et al. Neuromuscular manifestations of diarrhea related hypokalemia. *Indian Pediatr.* 1995, 32 (4):409-15.



7. **Patwari A.K.**, Anand VK, Aneja S, Sharma D. Persistent diarrhea: management in a diarrhea treatment unit. *Indian Pediatr.* 1995, 32(3):277-84.
8. Dewan V, **Patwari A.K.** et al. A randomized controlled trial of vitamin A supplementation in acute diarrhea. *Indian Pediatr* 1995 Jan;32(1):21-5.
9. **Patwari A.K.** Multidrug resistant Shigella infections in children. *J Diarrhoeal Dis Res.* 1994, 12(3):182-6.
10. **Patwari A.K.** et al. Rotavirus as an aetiological organism in acute watery diarrhoea in Delhi children: reappraisal of clinical and epidemiological characteristics. *J Trop Pediatr.* 1994, 40(4):214-8.
11. Mehra S, Aneja S, Choudhury M, **Patwari A.K.** Vitamin A deficiency in children with acute diarrhoea. *J Diarrhoeal Dis Res.* 1994 ,12(2):125-8.
12. **Patwari AK**, Deb M, Dudeja M, Jayasheela M, Agarwal A, Singh P. Clinical and laboratory predictors of invasive diarrhoea in children less than five years old. *J Diarrhoeal Dis Res.* 1993, 11(4):211-6.
13. Anand VK, **Patwari A.K.** Amoebiasis in children. *Indian Pediatr.* 1993 , 30(11):1373-8.
14. **Patwari A.K.** Cost effective strategy for promotion of appropriate case management of diarrheal diseases--establishment of DTUs. *Indian J Pediatr.* 1991, 58(6):783-7.
15. **Patwari, A.K.**, Kumar H. et al. Diarrhea training and treatment unit: experience from a teaching hospital , *Indian J Pediatr.* 1991, 58(6):775-81.
16. **Patwari, A.K.**, Anand V. et al. Knowledge and perceptions of residents regarding case management of acute diarrhea. *Indian Pediatr.* 1991,28 (8):887-92.

Infant and Young Child feeding

1. **Patwari, A.K.**, et al. Catch-up growth in children with late-diagnosed coeliac disease. *Br J Nutr* 2005, 94(3),437-442.
2. Aggarwal, A., Arora, S., **Patwari, A.K.** Breastfeeding among urban women of low-socioeconomic status: factors influencing introduction of supplemental feeds before four months of age. *Indian Pediatr.* 1998. 35 (3):269-73.
3. Seema, **Patwari, A.K.**, Satyanarayana, L. Relactation: an effective intervention to promote exclusive breastfeeding. *J Trop Pediatr, 1997, 43(4),213-216.*
4. Dewan, V., **Patwari, A.K.**, et al. A randomized controlled trial of vitamin A supplementation in acute diarrhoea. *Indian Pediatr* 1995,32 (1) :21-25.
5. Dewan,V., **Patwari, A.K.** , Jain, M. Subclinical vitamin A deficiency in infants and young children. *Indian Pediatr* 1995, 32 (2): 221- 224.
6. Singhal, P.K., Taneja, D.K., Patwari, A.K. & Mullick, D.N. Advantages of breast feeding knowledge among paramedical health personnel and mothers. *Indian Pediatr,* 1989, 26(5):492-5.
7. Singhal ,P.K., Taneja, D.K., Patwari, A.K. & Mullick, D.N. Breastfeeding--a primary prevention. *J Trop Pediatr*1988, 34(2):92-3.

Appendix A.

Code of conduct for IAP Office-bearers and Committee members (Optional for EB Members)

a) Cash or monetary grants:

A member shall not receive any cash or monetary grants from Pharma industries and any vaccine manufacturer for individual purpose in individual capacity under any pretext.

b) Travel facilities:

A member shall not accept any travel facility inside the country or outside, including rail, air, ship, cruise tickets, paid vacations etc. from any pharma industry and vaccine manufacturer for self and family members for vacation or for attending conferences, seminars, workshops, CME programme etc as a faculty or delegate.

c) Hospitality:

A member shall not accept individually any hospitality like hotel accommodation for self and family members from pharma industries and vaccine manufacturers under any pretext.

d) Vaccine trials and other research projects:

A member may participate in; work in research projects funded by pharma industries and vaccine manufacturers.

However, they are obliged to know that the fulfillment of the following items (i) to (v) will be an imperative for undertaking any research assignment / project funded by industry – for being proper and ethical. Thus, in accepting such a position a member shall:-

- (i) Ensure that the particular research proposal(s) has the due permission from the competent concerned authorities.
- (ii) Ensure that such a research project(s) has the clearance of national/ state / institutional ethics committees / bodies.
- (iii) Ensure that it fulfils all the legal requirements prescribed for medical research.
- (iv) Ensure that the source and amount of funding is publicly disclosed at the beginning itself.
- (v) Ensure that while accepting such an assignment a member shall have the freedom to publish the results of the research in the greater interest of the society by inserting such a clause in the MoU or any other document / agreement for any such assignment.

f) Maintaining Professional Autonomy while delivering any scientific talk/lecture/presentation:

A member is expected to use his/her own slides/teaching material while delivering any talk/presentation in any CME/conference/update on any vaccine. A member/ office-bearer/advisor shall always ensure that there shall never be any compromise either with his / her own professional autonomy and / or with the autonomy and freedom of the committee.

g) Affiliation as an advisory board member:

A member/ office-bearer/advisor **of IAP Committees shall NOT may** work for any pharma industries/~~and~~ vaccine manufacturer in advisory capacities, as consultants, as researchers, or in any other professional capacity.

~~In doing so, a member/ office bearer/advisor shall always:~~

~~(i) Ensure that his professional integrity and freedom are maintained.~~

~~(ii) Ensure that such affiliations are within the law.~~

~~(ii) Ensure that such affiliations / employments are fully transparent and disclosed.~~

h) Endorsement of any product:

A member/ office-bearer/advisor of IAP Committees shall not endorse any pharma and vaccine brand publicly. Any study conducted on the efficacy or otherwise of such products shall be presented to and / or through appropriate scientific bodies or published in appropriate scientific journals in a proper way.

However, a member/ office-bearer/advisor can accept the hospitality/travel grants (but no cash honoraria) from the organizing local IAP branch/other professional associations for delivering lectures/ppts in a meet/CME/symposium/conference or participating in discussion as a faculty member.

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i) A member should declare his financial interest including holding of share etc in pharma and vaccine industries

j) Declaration:

All members/experts/advisor/invitees attending a meeting to develop guidelines or recommendations, as well as assessments of any kind of product, or methodology which would in any way be of relevance to a present or future commercial activity or interests, should declare any conflicts as per the instructions provided in a special self declaration form (vide Self Declaration Form enclosed as Appendix C) .

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Declaration:

I, Dr. Ashok Kumar Patwari
hereby

(print or type first name, middle initial, last name)

Declare that I have read all the above terms and conditions associated with working with IAP. I will abide by all the above terms while discharging the duty assigned to me till my tenure/appointment/affiliation lasts.

In case of any conflict of interest, I will not only declare it to IAP, but will also resolve it before undertaking any such duty that may involve such issues.

28th February 2013

(Signature)

(Date)

Prof. A.K.Patwari

Head Department of Pediatrics, Hamdard Institute of Medical

(Name)

Sciences & Research, Jamia Hamdard, New Delhi-110062

(Institution/Address)

Appendix C.

**“DECLARATION OF CONFLICT OF INTERESTS FOR IAP ACVIP
MEMBERS/OFFICE-BEARERS/EXPERTS (2013)”**

Name: Prof. A.K.Patwari

Institution: Department of Pediatrics, Hamdard Institute of Medical Sciences & Research,
Jamia Hamdard, New Delhi

Email: akpatwari@gmail.com

Date and title of meeting/ work:

Description of your role:

Your current designation (in IAP ACVIP, if any):

FORM A: DECLARATION OF INTERESTS

Please answer each of the questions below. If the answer to any of the questions is "yes", briefly describe the circumstances In FORM B.

The term "you" refers to yourself, your employer and your immediate family members (i.e., spouse (or partner with whom you have a similar close personal relationship) and your minor children). "Commercial entity" includes -- aside from any commercial business -- an industry association, research institution or other enterprise whose funding is significantly derived from commercial sources having an interest related to the subject of the meeting or work. "Meeting" includes a series or cycle of meetings.

1. EMPLOYMENT , CONSULTING and FAVORS

1a **In the year 2012, have you received remuneration from a commercial entity with an interest related to the subject of the meeting or work? Please also report any application or negotiation for future work.** No

1b **In the year 2012, have you received any travel grant from a commercial entity with an interest related to the subject of the meeting or work? Please also report any travel grant or favor in near future from a commercial entity.** No

2. RESEARCH SUPPORT

In the year 2012, have you or your department or research unit received support or funding from a commercial entity or other organization with an interest related to the subject of the meeting or work? Please also report any application or award for future research support.

2a Research support, including grants, collaborations, sponsorships, and other funding No

2b Non-monetary support valued at more than Rs. 25,000 overall (include equipment, facilities, research assistants, paid travel to meetings, etc.) No

3. INVESTMENT INTERESTS

Do you have current investments (valued at more than Rs. 1,00,000 overall) in a commercial entity with an interest related to the subject of the meeting or work? Please also include indirect investments such as a trust or holding company.

3a Stocks, bonds, stock options, other securities (e.g., short sales) No

3b Commercial business interests (e.g., proprietorships, partnerships, joint ventures) No

4. INTELLECTUAL PROPERTY

Do you have any current intellectual property rights that might be enhanced or diminished by the outcome of the meeting or work?

4a Patents, trademarks, or copyrights (also include pending applications) No

4b Proprietary know-how in a substance, technology or process No

5. PUBLIC STATEMENTS AND POSITIONS (in 2012)

- 5a As part of a regulatory, legislative or judicial process, have you provided an expert opinion or testimony, related to the subject of the meeting or work, for a commercial entity? í No í
- 5b Are you holding an office or other position, where you may be expected to represent interests or defend a position related to the subject of the meeting or work? í No í

6. ADDITIONAL INFORMATION

- 6a *If not already disclosed above, have you worked for the competitor of a product which is the subject of the meeting or work, or will your participation in the meeting or work enable you to obtain access to a competitor's confidential proprietary information, or create for you a financial or commercial competitive advantage?* í No í
- 6b To your knowledge, would the outcome of the meeting or work benefit or adversely affect interests of others with whom you have substantial common personal, financial or professional interests (such as your adult children or siblings, close professional colleagues, administrative unit or department)? í No í
- 6c Is there any other aspect of your background or present circumstances not addressed above that might be affecting your objectivity or independence? í No í

FORM B: EXPLANATION OF "YES" RESPONSES:

If the answer to any of the above questions is "yes", check above and briefly describe the circumstances on this page. *If you do not provide, the amount or value of the interest, where requested, it will be assumed to be significant.*

Nos. 1 - 4 Type of interest, question number and category (e.g., Intellectual Property 4.a copyrights) <u>and</u> basic descriptive details.	Name of company, organization, or institution	Belongs to you, a family member, employer, research unit or other?	Amount of income or value of interest (if not disclosed, is assumed to be significant)	Current interest

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Nos. 5-6: Describe the subject, specific circumstances, parties involved, time frame and other relevant details



(Signature)

Date: **28th February 2013**

Place: **New Delhi**