

# POST GRADUATE DIPLOMA COURSE IN DISASTER PREPAREDNESS & REHABILITATION

## INDIAN RED CROSS SOCIETY

Indian Red Cross Society was constituted under Act XV of 1920 as amended by Act No. 22 of 1956 and the Adaptation of Laws (No.4) Order 1957 and the Act 14 of 1992. The President of India is the President of the Society and its governance rests with Managing Body, which consists of a Chairman nominated by the President, 12 members elected through an electoral college formed with the representatives of State/UT Branch Committees and 6 members nominated by the President of the Society.

Indian Red Cross Society has wide and varied experience in disaster relief work ranging from 1934 Bihar earthquake, 1999 super cyclone in Orissa, 2001 Gujarat earthquake, 2004 Tsunami in Coastal areas in Andhra Pradesh, Tamil Nadu and Kerala , J&K earthquake in 2005 to Bihar floods in 2008. It has an inside network of 700 branches having 12 million members and voluntary workers available all over India.

Red Cross world wide and in India is involved in myriad programs and activities such as aid and relief to serving and ex-soldiers, disaster relief, blood services and a plethora of welfare programmes.

Globally Red Cross has developed high level of expertise in the field of disaster management. Red Cross Movement has made significant contributions in the advances made in the field, including legal manifestations of disaster relief and management.

The IRCS being a member of the World Red Cross family has close links with the International Federation of Red Cross and Red Crescent Societies (IFRC) and the International Committee of the Red Cross (ICRC). These are non-political, humanitarian organizations having wide exposure and experience in the related fields. The IRCS has also established good working relationships with other National Red Cross and Red Crescent Societies. The IRCS benefits immensely from these organizations technically and financially in times of needs and for the purpose of capacity building.

## CENTRAL TRAINING INSTITUTE (CTI)

The IRCS has established a state of art Central Training Institute (CTI) at Bahadurgarh (Haryana) on the fringes of Delhi. It is spread over an area of 5 acres and has all the modern facilities of a training Institute. It contains equipments that are needed by a Disaster Response Unit (DRU) for providing hands on training, water pools for training in rescue operations and state of art training facilities for inhouse training and outdoor drills.

## DISASTER MANAGEMENT CENTRE (DMC)

The IRCS has developed a Disaster Management Centre at the National Headquarters, which is retrofitted. This serves as a base for all disaster related activities. The centre is designed to strive for improved overall disaster management planning and response, as also for long-term risk reduction activities. It has facilities to link all state branches and warehouses to provide efficient response and better coordination and monitoring. It serves as an information and knowledge management centre, monitor response operation and a need based 24 hours control room.

## **POST GRADUATE DIPLOMA COURSE IN DISASTER PREPAREDNESS AND REHABILITATION (DP & R)**

Besides imparting training in First Aid through St. John Ambulance and preparing National Disaster Response Teams, the IRCS, keeping in view the acute shortage of trained manpower in disaster preparedness activities, is working towards having a cadre of qualified trainers through Post Graduate Diploma Course at its National Headquarters affiliated to the GGSIP University, Delhi.

The aim of the course is to provide part time postgraduate education in the principles, procedures and practices of Disaster Preparedness & Rehabilitation cycle within an integral context to aim at reduction and mitigation actions to reduce disaster risk as well as improve the delivery of post disaster assistance to promote effective recovery and rehabilitation.

The other objectives are:

- To provide capacity building for national, state or institutional level in disaster preparedness & rehabilitation.
- To develop liaison with Government, NGOs, corporate sector and International agencies for synergies in disaster mitigation, preparedness and rehabilitation programs
- To provide a platform for professionals to build up the capacity for training of trainers.
- To provide experienced practitioners in appropriate fields
- To provide opportunities for professionals to obtain specialized qualification which has recognition in a global perspective.
- To enhance career opportunities while in service, through a period of academic study without disrupting the services.

## **ACADEMIC & COURSE CURRICULUM COMMITTEE**

### **Course Director**

Dr. S. P. Agarwal, *Secretary General, IRCS*  
(Former Director General Health Services, Govt. of India)

### **Additional Course Director**

Prof. T. S. Jayalakshmi, *Health Advisor, IRCS*  
(Former Professor, AIIMS)

### **Members**

Prof. Asis Datta, *Director, National Institute for Plant Genome Research*  
(Former V.C., JNU)

Prof. (Dr.) P. K. Dave, *Director, Rockland Hospital*  
(Former Dir. AIIMS)

Prof. A.K. Aggarwal, *Professor, IGNOU*

Prof. Ajay Pandit, *FMS, Delhi University*

Dean / Nominee from GGS IP University

Prof. M.L. Manchanda, *Faculty, IRCS*

## **INDIAN RED CROSS FACULTY**

Prof. S.P. Agarwal, M.S. Surg, M.Ch. Neuro, FIMSA, FICS, D.Sc. (Hon.), Secretary General & Course Director, IRCS, Former DGHS, GoI

\* Prof. (Dr.) T.S. Jayalakshmi, MD, Addl. Course Director, Health Advisor, IRCS

\* Prof. (Dr.) M.L. Manchanda, B.Sc., M.Sc., Ph.D (Agri. & Soil) : UN/FAO, Remote Sensing, GIS

\* Dr. Mukta Girdhar, B.Sc., M.Tech, Ph.D. (Geology), GIS & RS,

\* Mr. M.P. Gupta, (IAAS) Retd. Former Addl. Secretary, Ministry of Finance & Honorary Treasurer, IRCS

## **GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY**

Kashmere Gate, Delhi - 110403

Prof. (Dr.) Dilip K. Bandyopadhyay : Hon'ble Vice Chancellor

Shri B.P. Joshi : Registrar

Guru Gobind Singh Indraprastha University, established by Government of NCT of Delhi under the provisions of Guru Gobind Singh Indraprastha University Act, 1998 read with its Amendment in 1999, is an affiliating and teaching University that aims to facilitate and promote studies, research and extension work in emerging areas of higher education with focus on professional education in the disciplines of engineering, technology, architecture, management, medicine, pharmacy, physiotherapy, nursing, education, law, journalism and mass communication, etc. and also to achieve excellence in these and related fields and other matters connected therewith or incidental thereto. Functioning of the University commenced with the joining of Prof. K.K. Aggarwal as Vice-Chancellor in December, 1998. The University is headed by Prof. (Dr.) Dilip K. Bandyopadhyay, Vice Chancellor, since December 2008. The University is currently functioning from its Campus at Kashmere Gate, Delhi.

### **ADMISSIONS, ELIGIBILITY AND SELECTION PROCEDURE**

The course is open to all governmental and non-governmental staff, Red Cross volunteers, defence personnel, with a graduate degree or equivalent in Arts, Science, Commerce, Environmental Science, Environmental Physics, Geology, Geography, Information Technology, Telecommunication, Mass Communication, Engineering, Information Networking, Medical or Nursing, any Speciality related to Disaster Preparedness and Rehabilitation. The criteria for short listing of the candidates for admission will include qualification, experience and sponsorships etc.

Admissions will be based on merit and experience of the candidates. Preference will be given to candidates sponsored by Central/State Government/Autonomous/Other Collaborating Institutions.

The list of selected and the wait list candidates will be finalised by the selection committee based on the selection criteria.

### **TARGET AUDIENCE**

- \* Government officials
- \* Defence, Fire Service, Police Services, Paramilitary forces
- \* Medical
- \* Emergency Response Agencies and Emergency Planners.
- \* International and Local NGOs, NGOs working in the field of Disaster Management.
- \* Private sector involved in Disaster Management.
- \* Donor agencies.
- \* Ladies & Handicapped

**NUMBER OF SEATS = 40**

## **SCHEDULE**

The academic session of the Post Graduate Diploma Course in Disaster Preparedness and Rehabilitation, part time course, consists of 3 modules for the duration of one year

The classes are held on Mondays, Wednesdays & Fridays from 6.30 p.m. to 9.00 p.m. and on Saturdays from 10.00 a.m. to 2.00 p.m. (The number of study/practical hours remaining the same, the timings of the course may be reviewed)

Any change in the above programme or dates will be posted at our website ([www.indianredcross.org](http://www.indianredcross.org))

## **FEES AND PAYMENT**

Fee for the course

<b>Academic Fee</b>	<b>Tuition Fee</b>	<b>University Share</b>	<b>Total Fee Payable</b>
Rs. 24,000/-	Rs. 3,000/-	Rs. 8,000/-	Rs. 27,000/-

**Course structure:** The programme is spread over one year comprising of 3 terms.

<b>Term</b>	<b>Months</b>	<b>Duration</b>
Ist Term	August – November	4 months
IInd Term	December – March	4 months
IIIrd Term	April - July	4 months

1st Term and 2nd Term programmes include theory, practical and demonstration. It comprises of 12 core papers – 5 in the Ist term and 7 in the IInd term. In the IIIrd term, the participants are assigned dissertation on case studies & field visits; (see course Module). Dissertation can be on any aspects of Disasters. The student can select any topic, approved by the course expert / guide or it may be provided by the course director.

The primary emphasis of the course will be on the basics of disaster and allied subjects / topics related to its preparedness, mitigation and rehabilitation, which will include theoretical aspects in the form of lectures, presentations, case studies and demonstrations.

The course content will be completed by lectures, literature search by the students, discussion tutorials and practicals. The course has been designed for maximum flexibility providing students with the opportunity to develop knowledge on disaster preparedness and rehabilitation, sustainable development including framework and skills addressing anticipated hazards, disaster and complex emergencies with emphasis on either post development or majority world context. The skills required for evaluation and planning in the core areas of Remote Sensing, GIS, GPS and of Early

Warning Systems, preparedness, immediate and long term response systems, sustainability with a focus on hazards, disaster information systems, bio physical, political and ecological environmental hazard, human vulnerabilities and resilience. The role of institutions after disasters and capacity building on institutional development (national, international, transnational, governmental, civil societies etc.) are also included. The course offers an opportunity for indepth study of social, political, environmental and engineering aspects of disaster preparedness

#### COLLABORATING INSTITUTIONS/AGENCIES

These include National Institute of Disaster Management (NIDM), National Disaster Management Authority (NDMA), WHO, GGSIPU, International Federation of Red Cross and Red Crescent Societies (IFRC), International Committee of the Red Cross (ICRC), Partner National Societies (PNSs) and other Government Agencies, etc.

#### INFRASTRUCTURE AND MAJOR CENTRAL FACILITIES

IRCS is equipped with basic infrastructure facilities like Disaster Management Center, Class Rooms, Central Training Institute in Bahadurgarh, Internet Facilities, Site Maps, Water Sanitation Units, Mobile Health Units, etc. for field studies.

#### LIBRARY

IRCS has a well equipped library having books related to Disaster Preparedness and management studies.

#### SEMINAR HALL

IRCS has seminar halls in DMC in NHQ main building with a capacity of about 60, equipped with multimedia and air conditioning facilities and an auditorium in Bahadurgarh with the capacity to accommodate about 100 people.

#### COURSE MODULE

MODULE II		
Code No.	Topic	Credits
DP&R 107	Informatics and communication System in Disaster Preparedness and Response	3
DP&R 108	Geo-informatics for Disaster preparedness and rehabilitation	3
DP&R 109*	Reporting information and documentation in Disasters	1
DP&R 110*	Management issues in Disaster Preparedness and Response	2
DP&R 111	Health and consequences of disaster and its preparedness and planning	3
DP&R 112	Psycho-Social and Mental Health support	1
DP&R 113*	Rehabilitation	1
DP&R 114*	Project work (minor)	4
	<b>Total Credits</b>	<b>18</b>

*\*Non University Examination System (NUES)*

**MODULE I**

<b>Code No.</b>	<b>Topic</b>	<b>Credits</b>
DP&R 101	Introduction to Dimensions of Natural and Manmade Disasters	4
DP&R 102	Policy and Legal Framework and International Humanitarian Law	2
DP&R 103	Agencies Dealing in Disasters and Role of Funding Agencies	2
DP&R 104	Risk Assessment, Reconstruction and Rehabilitation in disasters	3
DP&R 105*	Incident Command system	2
DP&R 106*	Project Work/Assignment	3
	<b>Total Credits</b>	<b>16</b>

**MODULE III****Project Work : Dissertation\*****Unit Code - DP & R 115-118**

<b>Code No.</b>	<b>Topic</b>	<b>Credits</b>
DP&R 115*	Progress Reports	2
DP&R 116*	Seminar	2
DP&R 117*	Comprehensive Viva	2
DP&R 118*	Dissertation	14
	<b>Total Credits</b>	<b>20</b>

*\*Non University Examination System (NUES)*

Module I	16
Module II	18
Module III	20
<b>Grand Total</b>	<b>54</b>

## Note :

1. The total number of credits for the programme for Postgraduate Diploma in Disaster Preparedness and Rehabilitation is 54. However, for the award of the diploma, a student shall be required to earn the minimum of 50 credits.
2. Each student shall be required to appear for examination to obtain a Diploma.
3. Medium of instruction is English.
4. Evaluation:  
Internal Assessment: 40% weightage  
End Term Examination: 60% weightage  
Grading is done as follows:

## Marks % range Grade

80 and above	A -	Excellent
60 - 79.9	B -	Very Good
50 - 59.9	C -	Good
Below 50		Unsatisfactory / Fail

## Result so far:

2006-07            27 (passed)   3 (dropout)

2007-08            35 (passed)

## LIST OF COURSE CANDIDATES

### Year 2008-09

1. Dr. Vijendra Kumar CMO (Admn.) & Joint Director (R&H) CGHS
2. Dr. Tripurari Kumar Epidemiologist, Health Deptt., South Zone
3. Dr. Arun Sahi CMO (NFSG), NDMN Allopathic Dispensary
4. Dr. Jayanthi Mani Nee Murthy CMO (NFSG), CGHS Dispensary
5. Dr. Om Prakash Meena Medical Officer, CGHS Dispensary, Kasturba Nagar - I
6. Dr. Dharam Raj Singh SMO, Gurgaon, CGHS Dispensary, Ayush
7. Dr. Mehmood Hussain Asstt. Surgeon, Distt. Hospital, Rajouri (J&K)
8. Mr. Jasbir Singh Chief Fire Officer Palika Kendra, Sansad Marg, NDMC
9. Dr. Avind Thergaonkar CMO (NFSG) Forensic Deptt., Safdarjung Hospital, CGHS
10. Dr. Hari Gopal Vyas Sr. Surgical Specialist, Deptt. of Surgery, CGHS
11. Shri K.J. Joseph Private Secretary, MOH&FW
12. Dr. Mrs. Snehal Bhawe SMO, CGHS Dispensary, Dr. Zakir Hussain Road
13. Dr. Kalarani Manoharan SMO, CGHS Dispensary, Dr. Zakir Hussain Road
14. Dr. S.R. Saroj CMO, R.K. Puram Dispensary, Homeopathic, CGHS
15. Shri Rajendra Prasad Sati Section Officer, MOH&FW
16. Shri Lavkesh Sehgal Personnel Assistant, MOH&FW
17. Dr. Kuldeep Singh Sachdeva CMO (NFSG), DGHJS Central TB Division, MOH&FW
18. Mr. Ram Sahay Meena Kalky Editor (Hindi), MOH&FW
19. Shri N.J.V. Prasad Chief Engineer, ONGC
20. Dr. D.S. Rawat Dy. CMO, Medical Section, ONGC
21. Mr. Ashwani Kumar Deputy Secretary, Department of Shipping, GOI

22. Dr. Anindya Sekhar Bose WHO
23. Mr. Mohammed Shakil Finance Assistant, WHO
24. Ms. Rama Arora Technical Assistant, WHO
25. Dr. Gunasekara Mahesha Health Coordinator, SARD
26. Dr. Bhanu Pratap Maurya Senior HIV Programme Officer, SARD
27. Smt. Shikha Paul Junior Analyst, MOH&FW
28. Dr. Pankaj Agnihotri SMO, CGHS, Dr. Zakir Hussain Road
29. Dr. Om Narayan Prasad SMO, CGHS, Pittam Pura
30. Col. Manish Mohan Erry Director Planning, Lands, Defence, GOI
31. Lt. Col. S. Singh Sihag Staff Officer to DG, NCC
32. Mr. Disoj Kumar Farashwal General Staff Officer, Army
33. Col. Ravindra Singh Rawat Director, Financial Planning, Army
34. Mr. Ravi Agarwal IGSSS, 28, Asstt. Manager, NGO
35. Dr. Vineet Arya MO, Tihar Jail
36. Ms. Yogita Bhayana Social Worker, Das Charitable Foundation, NGO, Delhi
37. Mr. Mithlesh Singh Sales and Marketing Officer, M/s Pylon India, New Delhi
38. Ms. Ankita Anand NGO, Vidhya Abhas
39. Dr. A.P. Singh Rtd. CGHS Doctor, Delhi

## Year 2007-08

1. Dr. S.K. Sharma Advisor, Ayurveda, Deptt. of Ayush, MOH&FW
2. Shri Neeraj Kumar Gupta Additional Distt. & Sessions Judge, Distt. Court
3. Ms. Pinki Gupta Additional Distt. & Sessions Judge, Distt. Court
4. Mr. Darpan Dureja IFRC, India Office
5. Shri Bhavesh Sodagar IFRC, India Office
6. Col. (Dr.) Bajpai Director AFMS (Planning & Training) Ministry of Defence
7. Dr. S.N. Yadav Specialist, Deptt. of Radiology, Dr. RML Hospital
8. Dr. Madav Ram Country Staff, WHO
9. Mr. M.K. Rajan Country Staff, WHO
10. Shri Jagtar Singh Procurement Officer, WHO Room No. 536, A Wing
11. Dr. M.K. Rai CMO, NFSG
12. Dr. Narendra Deo CMO, NDMC
13. Col. (Dr.) T.S. Sachdeva Director Perspective Planning (NBC Medicine)
14. Shri Bal Mukand Chaurasia Supt. Engineer, ONGC
15. Ms. Moumita Datta Junior Station Controller, Metro
16. Ms. Lily Choudhury Extra Assistant Commissioner, Govt. of Assam
17. Ms. Ruchika Sharma Programme Officer, Don Bosco Ashalayam
18. Dr. Kumar Rajan National Consultant (Oral Health)
19. Dr. (Mrs.) Amita Bahl CMO, CGHS, South Zone
20. Dr. T. Shyamcharan Singh CMO, CGHS Dispensary
21. Dr. Jasvinder Singh CMO, CGHS Dispensary
22. Dr. Janak Pal CMO, CGHS
23. Dr. Jitendranath Murmu CMO, CGHS
24. Dr. Amit Ranjan Garbiyal SMO, CGHS
25. Dr. Chinmoya Kumar Mohanty CMO, NFSG, CGHS
26. Dr. Mihir Ranjan Bhowmick CMO, NFSG, CGHS
27. Dr. Sandip Deb CMO, NFSG, CGHS
28. Dr. Lanuwapang CMO, CGHS
29. Shri K.L. Garg Deputy General Manager, IDBI
30. Shri R.V. Subramanian Deputy General Manager, GAIL
31. Shri Tarun Kumar Deputy Manager (OPS) Bharat Petroleum Corpn. Ltd.
32. Shri Pradip Kumar Mukhopadhyay Under Secretary, MOH&FW
33. Shri Ajay Kumar Mishra Section Officer, MOH&FW
34. Dr. Kapil Sharma Senior Medical Officer, Border Roads Organisation
35. Lt. Col. (Dr.) Sanjay Kumar Regimental Medical Officer, AHQ

## Year 2006-07

1. Mr. Faquir Chand Director, Directorate Public Grievances, Cabinet Secretariat
2. Mr. Mrityunjai Kumar Senior Research Officer, ICMR
3. Ms. Yachika Verma National Legal Service Authority
4. Mr. Kunal Chatterjee Joint Director, Health, Armed Forces Medical Sciences
5. Ms. G. Jaya Kumar American Red Cross
6. Ms. Rajkanya Ray American Red Cross
7. Mr. Anshuu Bhutani WHO
8. Mr. Kavi Bhasin Proprietor, Kavi Motors
9. Mr. Rajiv Gupta Project Manager, SPEC, India
10. Mr. K.K. Mittal Deputy Secretary, Deptt. of Fertilizers
11. Mr. Pranay Kumar Dutta WHO
12. Mr. Dharmin K. Thacker IFRC
13. Mr. Amit Kumar IFRC
14. Mr. Amit Sharma IFRC
15. Mr. R.S. Seth Joint Registrar, Supreme Court of India
16. Mr. Kuldeep Singh Gill Joint Registrar, Supreme Court of India
17. Mr. S.N. Mishra CMO I/c, R.K. Puram Dispensary
18. Mr. Arvind Kumar CMO, CGHS Dispensary, Gole Market
19. Mr. Sudarshan Kumar Mehra CMO, NFSG, Parliament House
20. Mr. Anil Kumar Pandey Section Officer, Ministry of Panchayati Raj, GOI
21. Mr. Bidhu Bhushan A-102, K.M. Apts., Plot No. 12, Sec. 12, Dwarka, N. Delhi
22. Mr. Rakesh Kumar Goyal Chief Medical Officer IC CGHS Dispensary, JNU Campus
23. Mr. Basab Gupta CMO, NFSG
24. Mr. Srikanta Barik CMO, NFSG
25. Ms. Anita Jain CMO, NFSG
26. Mr. Sanjay Singh Kathait CMO, LSR Institute
27. Mr. Neeraj Solanki Junior Resident, Maulana Azad Medical College