



Meena  
1/22/17

Website

SPEED POST

File No. 7-119/2013-14/NVBDCP/DEN/Review Meeting  
Government of India  
National Vector Borne Disease Control Programme  
Dte. G.H.S, Ministry of Health & Family Welfare  
Block Number-III, Ground Floor  
Delhi IT Park, Shastri Park, Delhi- 110053  
Tel No.: 011- 22185948  
Website: [www.nvbdc.gov.in](http://www.nvbdc.gov.in)

UK



Dated: 20<sup>th</sup> July, 2016

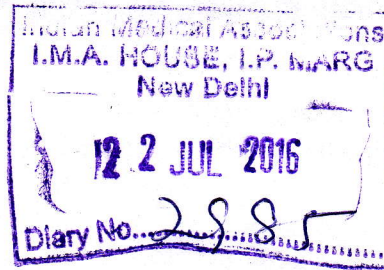
**Subject: Minutes of the meeting of the Committee to review action plan and activities undertaken for Prevention and Control of Dengue and Chikungunya**

Sir/Madam,

I am directed to forward herewith the approved minutes of the meeting of the Committee to review action plan and activities undertaken for Prevention and Control of Dengue and Chikungunya held under the Chairmanship of Dr. N.S. Dharmshaktu, Spl. DG (PH) in Dte. GHS Resource Centre (Room No. 445), A-Wing, Nirman Bhawan, New Delhi on 5<sup>th</sup> July, 2016 at 10:30 AM.

You are requested to kindly take necessary action on the decisions taken and inform this Dte. accordingly.

Encl. as above



Yours faithfully,

20/7/2016

Dr. Kalpana Baruah  
Joint Director

To: All the Members of the Committee:-

1. Director, National Centre for Disease Control (NCDC), 22-Shamnath Marg, Delhi-54
2. Director, National Institute of Malaria Research (NIMR), Sector-8, Dwarka, New Delhi-77
3. Deputy Director General (Senior Grade), Indian Council of Medical Research (ICMR), Ansari Nagar, New Delhi- 110 029
4. Prof. Ashutosh Biswas, Faculty of Medicine, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi- 110 029
5. Head of Department, Department of Pediatrics, Kalawati Saran Children's Hospital, New Delhi-110 001
6. Director General (works), Central Public Works Department (CPWD), New Delhi
7. President, Indian Medical Association, IMA House, Indraprastha Marg, New Delhi- 110 002
8. Director, Health Services (Malaria & Vector Borne Diseases), Swasthya Bhawan, Sector-6, Panchkula, Haryana



9. Director (Health Services), Directorate of Health Services, F-17, Karkardooma, Delhi-32
10. Director Health Services (M.S.), Directorate of Health Services, Near St. George Hospital, Arogya Bhawan, Near CST, Mumbai-400 001
11. Director (Public Health and Preventive Medicine), Directorate of Health Services, 359, Anna Salai, Teynampet, Chennai-600006
12. Director (Health) & Municipal Health Officer, South Delhi Municipal Corporation of Delhi, 18<sup>th</sup> Floor, Civic Centre, New Delhi
13. Municipal Officer of Health, New Delhi Municipal Council, 10<sup>th</sup> Floor, Palika Kendra, Parliament Street Road, New Delhi- 110 001

#### Special Invitees

1. Additional Director General, All India Radio, Akash Vani Bhawan, New Delhi-110001
2. Additional Director General (DD Bharati), Doordarshan, Doordarshan Bhawan, Copernicus Marg, New Delhi - 110001
3. Director, IIT Delhi, Hauz Khaz, New Delhi-16
4. Municipal Health Officer, North Delhi Municipal Corporation, 12th Floor, SPM Civic Centre, Minto Road, Delhi
5. Municipal Health Officer, East Delhi Municipal Corporation, Udyog Sadan, Patparganj Industrial area, Delhi
6. Chief Medical Officer, (Malaria), Northern Railway, Div. Hospital, Shyama Prasad, Mukherjee Marg, Delhi – 110006
7. Commanding Officer, Station Health Organization, Maude Lines, Delhi Cantt.

#### Copy for information to:

1. PS to Spl DGHS (NSD), Dte. GHS, Nirman Bhawan, New Delhi-11
2. PS to JS (VBD), MOH&FW, Nirman Bhawan, New Delhi-11
3. PS to DDG (PH), Dte. GHS, Nirman Bhawan, New Delhi-11

#### Internal Circulation:

1. Dr. P.K. Sen, Additional Director, NVBDCP
2. Dr. P.K. Srivastava, Joint Director, NVBDCP
3. PA to Director, NVBDCP



Minutes of the meeting of the Committee held under the Chairmanship of Dr. N.S. Dharmshaktu, Spl.DG(PH) on 5<sup>th</sup> July 2016 at 10:30 AM in Room No. 445-A, Nirman Bhawan to review action plan and activities undertaken for Prevention and Control of Dengue/DHF and Chikungunya

A meeting of the Committee to review action plan and activities undertaken for Prevention and Control of Dengue and Chikungunya was held under the Chairmanship of Dr. N.S. Dharmshaktu, Spl. DG(PH) on 5<sup>th</sup> July, 2016 at 10:30 AM in Room No. 445, A-Wing, Nirman Bhawan wherein in addition to the Members of the Committee/ or representatives, Senior Officers from Dte. GHS, NVBDCP, All India Radio, IIT, Delhi Hospitals participated. States of Kerala, Uttar Pradesh and WHO could not participate. The list of participants is at **Annexure-I**.

2. Dr. A.C. Dhariwal, Director, NVBDCP at the outset welcomed the participants and briefed about the constitution of the Committee in 1998 and its reconstitution in 2013. The Committee has members from various institutions like ICMR, NCDC, CPWD, NIMR, IMA, Hospitals (AIIMS and Kalawati Saran) and six high endemic states (Delhi, Haryana, Uttar Pradesh, Maharashtra, Tamil Nadu and Kerala), MCD, NDMC and WHO. He also expressed that due to ZIKA transmitted by same vector, preventive vector control measures for Dengue were started earlier this year.
3. Dr. N.S. Dharmshaktu, Spl. DGHS and Chairperson welcoming the participants briefed the objectives and importance of the meeting. He expressed his concern that almost one Lakh cases of Dengue were reported during last year and trend is almost on higher side this year as compared to previous years. He enquired about the diagnostic facilities and availability of diagnostic kits (both NS1 & IgM) in the States/UTs. He observed from data that the dengue situation before June and after June follows a distinct pattern in India, as the higher case load shifts from southern States to northern States July onwards. Therefore all the States should be prepared and have logistics arrangement in advance.
4. Dr. P.K. Sen, Additional Director, NVBDCP presented the country dengue and chikungunya scenario, comparative situation of dengue of the current year as compared to last year, seasonal trend, status of diagnostic facilities, actions taken by GOI including notification of dengue disease, IEC/BCC activities, entomological surveillance, advisories, reviews etc. He further informed about the newer initiatives including Mobile App – India Fights Dengue and Effective Community Participation Plan, observance of National Dengue Day in 2016. He also informed about the national guidelines including new National Clinical guidelines and their circulation to the States.
5. Dr. Rajesh, Deputy Director, Haryana presented the epidemiological situation of Dengue & Chikungunya along with monthly trend. He informed that almost 70 % of dengue cases during 2015 were reported from the urban areas. He highlighted the actions taken for prevention and control of dengue during 2015 by informing that they have identified 7 new SSHs and private labs were restricted not to charge



more than Rs. 600 /- for a prescribed dengue test. He also discussed the action plan for 2016 in detail. He also informed that an appeal under the signature of Health Minister of Haryana has been circulated for prevention and control of VBDs including Dengue and Chikungunya to the PRI members through concerned Deputy Commissioner.

6. Dr. Sarvanan, Joint Director, Tamil Nadu presented the district –wise, month-wise, age-wise & sex-wise situation of dengue and chikungunya, Entomological surveillance, disease surveillance, case management, vector management, outbreak response, capacity building, IEC/BCC, inter-sectoral and monitoring.
7. Dr. B.S. Kamble, Asstt Director, HS (Filaria), Maharashtra presented the epidemiological situation, month-wise, urban-rural, district-wise and corporation – wise of Dengue. He also informed that after making dengue a notifiable disease in the State during last year, improvement has been observed in term of reporting from Private sector. He also briefed about the State action plan for 2016 including mapping of high-risk areas, sensitization of ASHAs, PRIs members, private practitioners etc. He also informed that the State has observed National Dengue Day and July is being observed as Anti-Dengue month.
8. Dr. S.M.Raheja, Addl. DGHS cum SPO Delhi presented the year-wise distribution of dengue cases & deaths in Delhi, actions taken for prevention and control of Dengue during 2016 including establishment of dedicated dengue cell, review meetings, meeting with RWAs, advisories, IEC activities, capacity building, recirculation of dengue management guidelines and constitution of Dengue Task Force etc. He also briefed about the upcoming actions to be taken.
9. Dr. N.R. Tuli, DHO HQ, SDMC presented the epidemiological situation of Dengue in Delhi and appraised the preparedness and planning for the forthcoming transmission period. He also briefed about the actions taken and reporting procedure by SDMC. The reporting of dengue cases from Private hospitals and identified SSHs were deliberated at length. Chairperson stressed that the cases labeled as infection acquired from other states does not have any sense as the entire country is endemic for dengue and since the person suffering is a resident of Delhi should be taken as a case from Delhi. Dr. D. Somashekar, DHO HQ, EDMC also presented the specific challenges related to the area under EDMC like vacancy of field and supervisory staff and lack of active community participation in domestic and peri-domestic mosquito breeding control. Dr. Arun, Addl. MHO, North DMC shared the activities being undertaken in their jurisdiction area. He said the action plan and activities are same for all the 3 DMCs.
10. Prof. Ashutosh Biswas, Dept. of Medicine, AIIMS presented the dengue cases management in AIIMS and elaborated the action plan and various activities undertaken by the institute. He also discussed the actions taken by AIIMS for prevention in its premises and informed that a Diseases Prevention and Outbreak Response Cell (DPOC) of 40 members from different departments of AIIMS have



been constituted which supervises the survey and vector control activities in campus.

11. Dr. B. Patra, Senior Specialist (Pediatrics), LHMC & associated SSK, Delhi discussed about the measures including vector control in the campus, the online reporting of dengue cases to SDMC and kit utilization to NVBDCP. During the discussion, he mentioned that whenever the CCCO team visits the Institution, on the spot the positive places should be brought to the notice so that immediately these can be eliminated.
12. Dr. Sunil Gupta, Addl. Director, NCDC briefed about the activities being carried out by NCDC as well as the functioning of the Apex Referral Laboratory. He mentioned that NCDC has been carrying out evaluation of larvicidal properties of *Agave americana*. Dr. LJ Kanhekar, Joint Director gave a demonstration of the plant to the participants.
13. Dr. Manju Rahi, ICMR mentioned that NIV, Pune has been producing and supplying the IgM kits to NVBDCP laboratory network. She said that the activity for evaluation of sensitivity and specificity of commercially available rapid diagnostic kits for dengue has just initiated and will take time.
14. Dr. BN Nagpal, Scientist-G, NIMR informed about the entomological survey and monitoring the virus activity in *Aedes* vector. The observations are being shared with MCDs. The Chairperson asked him to convey the findings on regular basis to the NVBDCP as well.
15. Ms. Gunjan Priya, AIR informed about the media activities for community sensitization on dengue. The Chairperson mentioned that AIR can play a big role through their regional stations by disseminating the messages timely and situation specifically.
16. Dr. K.K. Aggarwal, General Secretary, IMA suggested to have video module for training/sensitization of members of IMA on clinical management of dengue to bring in uniformity and adhering to national guidelines.

After detailed deliberations, following issues were discussed:

- As October is peak time for Dengue cases particularly in Northern States after the monsoon ceases, preparatory actions should started from April and preparedness be reviewed and intensified in June before monsoon. A calendar of activities should be prepared for programme implementation and monitoring.

**Actions – All States and implementing agencies**

- Improvement of reporting required from private sector by making Dengue a notifiable disease in all States/UTs.

**Actions – All States**

- Analysis of entomological data should be based on Breteau Index. A guideline should be issued for reporting of BI for each locality/ward.

**Actions – NVBDCP and all States**

- Strengthening of entomological zones and provide a guideline to all zonal entomological unit with calendar of activities to be performed by them like source reduction measures in residential areas, hospitals, schools, offices etc. Their report should be monitored, analyzed regularly with timely feedback for improvement.



#### **Actions – NVBDCP**

- A workshop for all Entomological Zones (79) to be organized for their capacity building for the recent developments in the field of Entomology and to improve their functioning in which NCDC, VCRC, NIMR, CRME Madurai, Field unit Jagdalpur and Patna also be involved.

#### **Actions – NVBDCP**

- Hospitals having mosquitoes menace can use synthetic Pyrethroid for indoor spray & Malathion for outdoor fogging. All Hospitals premises including surrounding area should be mosquitoes free.

#### **Actions – Hospitals**

- Guideline to be issued to the Hospitals on use of various vector control measures and larvicides in different set up- Hospital Setting (Indoor & Outdoor) and residential areas inside the hospital campus and construction areas. Guidelines should also be sent to Railway, ESI, Pvt. Hospitals.

#### **Actions – NVBDCP**

- Exploration of the use of simple methods for prevention and control of Dengue mosquito breeding. Similarly like *Agave Atrovirence*, *Agave americana* for larva control in the temporary water collections like Desert coolers as *Nilavembu kudineer* for therapeutic use in Dengue etc.

#### **Actions – NCDC, ICMR & Zonal Entomological Unit**

- CPWD to ensure covering of overhead water tanks immediately and providing access to the roof tops for vector surveillance. Progress of activities should be informed to the concerned implementing agency and NVBDCP. Better quality of cover of overhead water tanks be used in future so that the tank covers do not open by strong wind.

#### **Actions – CPWD**

- Special emphasis to be given to construction sites for preventing mosquito-genic conditions.

#### **Actions – CPWD, GNCT, NDMC & 3 DMCS**

- Slum areas and unauthorized colonies should be taken on priority as most of the breeding areas are found in those sites due to scarcity of water and uncovered water storage practice.

#### **Actions – GNCT, NDMC & 3 DMCS**

- Ensure functioning of all SSHs with the availability of diagnostic kits (both NS1 & IgM). Guidelines for SSH be prepared and send to all SSH. States not able to purchase NS1 should obtain rate of neighbouring States to use most suitable out of them.

#### **Actions – All States**

- Capacity Building of Doctors on Dengue Case Management to avert deaths.

#### **Actions – All States**

- All States to ensure that Hospitals are geared up with contingency plan for the ensuing transmission season and taking anti-larval measures in and around the hospital premises.

#### **Actions – All States**

- SDMC and other implementing agencies should modify the reporting format for Dengue cases from Delhi. The cases labeled as infection acquired from other states



by Delhi should be taken as a case from Delhi as it does not have any epidemiological sense in view of the endemicity of dengue.

**Actions –GNCT, all 3 DMCs & NDMC**

- Cross notification of Dengue cases reported in Delhi hospitals to the respective State Programme Officer of the concerned State by email with copy to Dte. of NVBDCP and districts (wherever emails are available).

**Actions – SDMC & GNCT**

- Daily Reporting Format of Dengue case given in VBD guidelines 2011 to be revised and simplified on priority as current form is not practical where daily reporting is mixed up with dengue affected area detail and cumulative details.

**Actions – NVBDCP**

- IDSP to coordinate with District Programme Officer for improved reporting.

**Actions – All States**

- All airports, seaports, railway stations should be free from mosquito breeding sites and mosquito free.

**Actions – APHO/PHO and States/UTs**

- IMA agreed to issue circular to all private practitioners for reporting dengue cases as per national guidelines.

**Actions – IMA**

- Report on sensitivity and specificity of commercially available rapid diagnostic kits for dengue to be provided by ICMR to the programme at the earliest.

**Actions – ICMR**

- RWA, Horticulture and nursery staff, Market associations to be sensitized and empowered as per Effective Community Participation Plan.

**Actions – GNCT, 3 DMCs, NDMC & All States**

- Effective inter-sectoral coordination with other Ministries and Departments for vector control (Source Reduction). All the concerning ministries/departments with other stake holders must give name, address, telephone & e-mail of the nodal officer.

**Actions – All States**

- Organize workshop for All India Radio artists of Delhi/NCR stations to develop effective messages, slogans, scripts on Dengue which can be used by them in regional languages.

**Actions – NVBDCP & AIR**

- Dissemination and popularization plan for IFD App to be executed.

**Actions – All States**

The meeting ended with a vote of thanks to Chair.

\*\*\*\*



**List of Participants:-**

Members of the Committee

1. Dr. N. S. Dharamshaktu, Spl. DG(PH), Dte.GHS, Govt. of India - Chairperson
2. Director NCDC, Delhi represented by Dr. Sunil Gupta, Additional Director, Dr. Mala Chhabra, Additional Director, Dr. L.J. Kanhekar, Joint Director & HOD, CME & VM, Dr. Prabha Arora, Joint Director, Epid and Dr. Pradeep Khasnobis, NPO, IDSP
3. Director NIMR, Delhi represented by Dr. B. N. Nagpal, Scientist-G
4. Dy. Director General (Sr. Gd.), ICMR represented by Dr. Manju Rahi, Scientist-E
5. AIIMS, Delhi – Prof. Ashutosh Biswas. Faculty of Medicine
6. Dr. Jagdish Chandra, Director LHMC & associated SSKH, Kalawati Saran Children's Hospital, Delhi, Dr. B. Patra, Sr. Specialists (Pediatrics), Dr. Tapas K. Roy, Prof. Community Medicine.
7. Director General Works, CPWD represented by Mr. Sunil Kumar Sharma, Director (P & WA); Rajesh Kumar, EE (P&WA), Mr. Ashik Kumar, Executive Engineer (C) NDZ-7
8. WHO Country Office, India, New Delhi- could not attend
9. Indian Medical Association, Delhi - Dr. K. K. Aggarwal, Secy. Gen., President IMA; Dr. U.K. Rao, IMA
10. Haryana - Dr. Vijay Garg, DHS (VBD), Dr. Rajesh, DD (M)
11. Uttar Pradesh – could not attend
12. Director Health Services, Delhi represented by Dr. S. M. Raheja, Addl. DGHS; Dr. G.C. Malik, CDMO-SD; Dr. Vinod Kumar, CDMO-North; Dr. R.K. Sehgal, Addl. Regional Division, Escort Region; Dr. S.K. Chaudhary, HOD, pediatrics, BSA Hospital; Dr. A.K.Mehta, MS, DDUH; Dr. Sushma Kumari, Nodal Officer, GTB Hospital; Dr. Sunil Kumar, DHS (E), GTB Hospital; Dr. Vineet Pople, RDH (North).
13. Director Health Services, Maharashtra represented by Dr. B. S. Kamble, Assistant Director (Filaria)
14. Kerala – could not attend
15. Director Health Services Tamil Nadu represented by Dr. S. Saravanan, SPO-Jt. Director
16. MHO, SDMC represented by Dr. N.R. Tuli, DHO (HQ), Dr. Arun Chauhan, Zonal Entomologist
17. MOH, NDMC, Delhi represented by Dr. R. N. Singh, CMO
18. Dr. A.C. Dhariwal, Director, NVBDCP- Member Secretary

Spl. Invitees:

19. Municipal Health Officers of EDMC - Dr. D. Somashekar, DHO (HQ), Dr. K. S. Mohan, CMO (HQ)
20. Municipal Health Officers of NDMC - Dr. S.C. Arun, Addl. MHO
21. IIT: Dr. B. Prakash, Ex-CMD, India Head, Hospital Services
22. All India Radio - Ms. Gunjan Priya, Family Welfare Wing

Dte.GHS

1. Dr. Inder Prakash, DDG (PH)

Dte. NVBDCP

2. Dr. P. K. Sen, Additional Director, NVBDCP
3. Dr. Kalpana Baruah, Joint Director, NVBDCP
4. Dr. Kaushal Kumar, Consultant, NVBDCP
5. Dr. Amit Katewa, Consultant, NVBDCP