

Minutes of the Third meeting of Inter Sectoral Advisory Group for the National Water Mission Goal IV "Improving Water Use Efficiency by 20%" held on 22-07-2015 at Shram Shakti Bhawan, Rafi Marg, New Delhi.

The 3rd meeting of Inter Sectoral Advisory Group (ISAG) for the National Water Mission Goal IV- "Improving Water Use Efficiency by 20%" was held on 22nd July, 2015 under the Chairmanship of Secretary, MoWR, RD & GR, at Shram Shakti Bhawan, Rafi Marg, New Delhi. List of participants present in the meeting is given at Annexure I.

Initiating the discussion, the Secretary, MoWR, RD & GR welcomed the participants and emphasized the need for improving water use efficiency in all sectors. He desired an action plan for improving the same. Later, he asked the Adviser (Tech)/ Member Secretary of the ISAG Group to initiate discussion on Agenda items.

Agenda Item No. 1: Confirmation of the Minutes of second meeting and Action Taken Report

As no comments from the members/invitees were received, the minutes of the second meeting of Inter Sectoral Advisory Group, Goal-IV held on 15th May, 2013 were confirmed.

Agenda Item 2: Research in area of increasing water use efficiency and maintaining its quality in agriculture, industry and domestic sectors.

The Adviser (Tech), NWM informed that at present water use efficiency in agriculture sector is about 32% to 38% which needs to be enhanced as almost 80% of the water is being used for irrigation purpose only. The Chairman (CWC) informed that these figures are based on the studies carried out by different research institutions across the country.

The Secretary (WR) emphasized the need for similar studies in industrial sector also and desired that the Central Pollution Control Board (CPCB) may be involved in the process of setting standards for water use efficiency in industrial sectors. The Secretary suggested to monitor achieving of these standards in various sectors as CPCB has fixed the standards for Distillery, Sugar, Steel, Pulp and Paper, Beverages sectors, to name a few.

Shri B. Rath, Addl. Commissioner, Ministry of Agriculture informed that on an average the world wide consumption of water in agriculture sector is 1000 mm per hectare whereas in India, it is 1460 mm per hectare. Further, it was informed that Ministry of Agriculture has already brought in 7 million hectare

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area under drip & micro irrigation system and a subsidy is being provided @25% to General Category farmers, 35% to SC/ST farmers and 50% to farmers of North Eastern States.

The Chairman, CWC, suggested that baseline studies have to be taken up for improving water use efficiency and CWC has already identified 211 irrigation projects completed under Accelerate Irrigation Benefit Programme (AIBP) for baseline studies. The Member, CGWB pointed that Ground Water use efficiency is generally on higher side compared to surface water.

The Chairman, CWC explained that the surface water is a dynamic resource and based upon the findings of studies carried out in Rajasthan Command Area, Sharda Sahayak Canal and Bhakra Sutlej Canal network system, it has been established that the water use efficiency is about 60%. It was emphasized that the focus should be on individual projects. In response to the observation of the Adviser (C&M) on the need for undertaking these baseline studies basin-wise instead of project wise, Chairman, CWC suggested that the best way is system improvement for individual irrigation projects to start with which can further be refined to include other sources of water in a basin. Further, he informed that establishing Basin wise efficiency is difficult and we should concentrate on efficiency of completed AIBP projects initially.

It was decided that WALAMIs, Agri. Universities, Research Institutes etc. may be involved in undertaking baseline studies and preparation of implementation plan for improving water use efficiency in all the sectors.

(Action- NWM/CWC/MoA/CPCB)

Agenda Item 3: Incentivize Recycling of water including waste water

Mr. Ravindran. Dy Adviser, (PHE), Ministry of Urban Development informed that approx. 30-40% losses in water distribution are reported in urban areas and there is a need to undertake baseline studies in urban water sector also. No incentive is presently given by Ministry of Urban Development to any Municipal Authority. He further informed that the Ministry has considered 100% water metering in upcoming smart cities. It was suggested to issue an Expression of Interest (EOI) to invite the proposals from institutions/agencies for undertaking such studies in urban water supply. (Action- NWM/MoUD)

Agenda Item No. 4: Development of Eco-friendly sanitation system

On the establishment of NBWUE and merging it with Water Quality Authority of MoEF & CC, it was decided that the proposed NBWUE and the existing Water Quality Authority have different mandates and a view will be taken after detailed discussion in this regard by MoWR, RD & GR. It was also decided that

the proposed ten Regional Coordinators in NBWUE may work closely with the regional offices of CGWB and CWC and their infrastructure facilities may be used initially.

(Action- NWM/CWC/CGWB)

Agenda Item 5: Improve efficiency of urban water supply system

Shri M. Manoj Kumar from Federation of Indian Chamber of Commerce and Industry (FICCI) informed that studies are being conducted in industrial sector/ Municipal water use efficiency and technical part is being done by M/s Powertech. It was also suggested that an EOI may be called for undertaking baseline studies in industrial sector also. Addl. Secretary (WR) desired that NWM in association with Ministry of Urban Development may initiate studies on Water Audit in respect of million plus Cities in a phased manner.

(Action- NWM/MoUD)

Agenda Item 6: Promotion of water efficient techniques and technologies

Mr. Naveen M. Sahu, Dy. Adviser, Ministry of Drinking Water & Sanitation (MoDW & S) informed that the MoDW & S is promoting water use efficiency technologies and both the Ministries may collaborate for any Pilot study of a city. It was suggested that the Government may consider making it mandatory to use treated water only for Industrial/construction purposes. The Secretary (WR) suggested that relevant guidelines may be prepared by CWC to use secondary treated water. It was further suggested that Dual Pipe System may gradually replace the existing Single Pipe System in households.

(Action- CWC/MoDW&S)

Agenda Item 7: Undertake Pilot projects for improvement in water use efficiency in collaboration with States

It has been suggested to establish pilot projects to showcase best practices in collaboration with States and WALAMI's may be associated in this regard.

(Action- NWM)

Agenda Item 8: Promote Water Regulatory Authorities for ensuring equitable water distribution and rational charges for water facilities

It was suggested that efforts be made to Promote Water Regulatory Authorities for ensuring equitable water distribution and to rationalize charges for water facilities. It was emphasized that the NBWUE once established will be able to regulate water use.

(Action- NWM)

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Agenda Item No. 9: Promote mandatory water audit including those for drinking water purposes
Secretary (WR) advised that Water Audit may be undertaken for Govt. buildings in first phase and other areas may be taken up subsequently.

(Action- NWM)

Agenda Item No. 10: Adequate provision for operation & maintenance of water resources projects
It was suggested that there is need for adequate provision of operation & maintenance of Water Resources projects to make them sustainable and the formulation of Irrigation Management Schemes needs to be expedited by CWC.

(Action- NWM/CWC)

Agenda Item No. 11: Incentives through awards for water conservation & efficient water use

Representative of Ministry of Agriculture informed that ICAR funded pilot project for sugarcane in Muzaffarnagar, UP using drip/micro irrigation. Similarly more projects may be taken up to promote efficiency of water use in agriculture sector in particular.

(Action- NWM)

Agenda Item No. 12: Incentivize use of efficient Irrigation practices and fully utilize the created facilities

The Secretary (WR) suggested that CPCB may be included as a member of ISAG group. Action needs to be initiated to incentivize use of efficient irrigation practices and fully utilize the created facilities.

(Action- NWM/CPCB)

The meeting ended with vote of thanks to the Chair.

List of the participants for the Third meeting of Inter Sectoral Advisory Group for the National Water Mission Goal-IV "Increasing Water Use Efficiency by 20%" dated 22-07-2015.

Venue: Shram Shakti Bhawan, Rafi Marg, New Delhi

Sl No	Name	Designation	Organization	
1	Shri Shashi Shekher	Secretary (WR)	MoWR, RD & GR,	In -Chair
2	Dr. Amarjit Singh	Addl. Secretary (WR)	MoWR, RD & GR,	Member
3.	Shri Jag Mohan Gupta	JA & FA	MoWR, RD & GR,	Invitee
National Water Mission				
4.	Shri M. Satyanarayana	Adviser (C&M)	NWM, MoWR, RD & GR,	Invitee
5.	Shri. Joginder Singh	Adviser (Tech)	NWM, MoWR, RD & GR,	Member Secretary
6	Dr. R. C. Jain	Consultant	NWM, MoWR, RD & GR,	Invitee
7	Dr. A. P. Singh	Consultant	NWM, MoWR, RD & GR,	Invitee
8	Ms. Sukhvinder Kaur	Young Professional	NWM, MoWR, RD & GR,	Invitee
9	Ms. Shivani Saxena	Young Professional	NWM, MoWR, RD & GR,	Invitee
Central Water Commission				
10	Shri A.B. Pandya	Chairman	CWC	Member
Central Ground Water Board				
11	Shri. G. C. Pati	Member (WQ & TT)	CGWB	Member
Central Ministries /Departments				
12	Mr. J.B. Ravindran	Dy. Adviser	MoUD	Member
13	Mr. B. Rath	Addl. Commissioner	Ministry of Agriculture	Member
14	Mr. P.K. Shukla	Director	CEA, Ministry of Panchayat Raj	Member
15	Mr. Naveen M. Sahu	Dy. Adviser	MoDWS	Member
State Governments				
16	Shri W.L.Hauqsing	Addl. Chief Secretary	Govt. of Manipur	Member

List of Members of Inter-Sectoral Advisory Group for Goal IV :-

1. Secretary, Ministry of Water Resources, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001.
2. Special Secretary, Ministry of Water Resources, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001.
3. Chairman, Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. Chairman, Central Ground Water Board, New CGO Complex, NH-IV, Faridabad, Haryana.
5. Secretary, Ministry of Agriculture, Krishi Bhawan, New Delhi-110001.
6. Secretary, Ministry of Urban Development, Nirman Bhawan, New Delhi-110011.
7. Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi-110001.
8. Secretary, Department of Drinking Water and Sanitation, Ministry of Rural Development, Krishi Bhawan, New Delhi-110001.
9. Secretary, Department of Industrial Policy and Promotion, Udyog Bhawan, New Delhi-110001.
10. The President, Federation of Indian Chambers of Commerce & Industry, Federation House, Tansen Marg, New Delhi-110001.
11. Principal Secretary, Department of Water Resources, Government of Maharashtra, Mantralaya, Mumbai-400032.
12. Principal Secretary, Department of Irrigation, Government of Uttar Pradesh, Lucknow-226001.
13. Principal Secretary, Department of Irrigation and Waterways, Government of West Bengal, Jalsampad Bhawan, Salt Lake, Kolkata-700091.
14. Principal Secretary, Department of Irrigation and Flood Control, Government of Manipur, Imphal-795001.
15. Principal Secretary, Department of Irrigation, Government of Sikkim, Gangtok-737101.
16. Advisor (Coordination & Monitoring), National Water Mission, Ministry of Water Resources, Room No.220, Block No.3, CGO Complex, Lodhi Road, New Delhi-110003.