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Minutes of the Second meeting of Inter Sectoral Advisory Group for the National Water Mission Goal III- "Focused Attention to Vulnerable areas including over-exploited areas" held on 18th March, 2013 at 1430 hrs in the CGWB, New Delhi -

The Second meeting of Inter Sectoral Advisory Group for the National Water Mission (NWM) Goal III- "Focused Attention to Vulnerable areas including over-exploited areas" was held on 18th March, 2013 at 1430 hrs under the Chairmanship of Sh. Sushil Gupta, Chairman, Central Ground Water Board and Chairman of the Group in Committee Room, CGWB, Jam Nagar House, New Delhi. List of participants is at Annexure-1.

At the outset, the Chairman welcomed the participants. In his opening remarks he emphasised that our focus should be to achieve the main objective of the National Water Mission on conservation of water, minimizing wastage and ensuring its more equitable distribution through integrated water resources development and management with regards to Goal-III i.e. "Focused Attention to Vulnerable areas including over-exploited areas." There are Eight Points in Goal-III, but only five points have been taken for discussion to ensure effective action.

Agenda Item I. Confirmation of Minutes of First Meeting.

Sh. D.S.C. Thambi, Member Secretary of the Group and Member (SML), CGWB discussed the minutes of first meeting convened on 23.12.2011 and the action taken. The members of the Group confirmed the minutes of the first meeting. Subsequently the agenda items of the second meeting were taken.

Agenda Item II. Expeditious Implementation of Water Resources Projects:

Sh. Ashok Kharia, Director, CWC on behalf of Chief Engineer (P&D), CWC presented status of the Expeditious implementation of Major, Medium, and ERM Water Resources Projects. The completion of ongoing 154 Major and 139 Medium irrigation projects will lead to creation of 7.2 MHa irrigation potential under AIBP and ERM of Major and Medium irrigation projects will result in restoration of 2.2 MHa irrigation potential. There are 28 Major and 32 Medium proposed irrigation projects which will lead to creation of 0.7 MHa irrigation potential. MI under AIBP will lead to creation of 1.5 MHa irrigation potential. Under AIBP there is 1:1 norms for taking new projects whereas in drought prone and tribal areas it is relaxable. The benefit cost ratio in AIBP is 1.5:1 whereas for projects taken in drought prone and tribal areas the B:C ratio can be 1:1. After deliberation it emerged that group mandate is not to monitor the projects but to ensure timely completion of projects to achieve targeted irrigation potential.

Agenda Item III. Promotion of Traditional system of Water conservation through expeditious implementation of programme for Repair, Renovation and Restoration of water bodies:

In this regard presentation was given by Sh. Ashok Kharia, Director, CWC. In the XIIth Plan the Working Group of Planning Commission has proposed a State Plan of RRR of water bodies with an outlay of Rs.30,000/- crores. The Central Water Commission has prepared an EFC proposal with an outlay of Rs.6200 crores of central assistance for 10000 water bodies in the country. This will reduce the gap between potential created and potential utilized by 2.4 MHa. Sh N. Satyanarayana, Advisor (Coordination), National Water Mission emphasized that the Mission is not restricted to irrigation requirement only but also to consider domestic, industrial and other requirement. He further stressed that the objective of the Mission is implementation of the projects and co-ordination among different departments of Min. of Water Resources. The Chairman asked the Members of the group to consider the bottle-necks in completing the existing projects in time. These should be completed in a time bound manner for assured irrigation potential.

Agenda Item IV. Physical Sustainability of Groundwater Resources:

The Member Secretary of the Group informed that Ground Water Model Bill for Regulation & Management of ground water was enacted by 14 States/ U.T's and 16 States/ U.T's have taken initiative in this regard. The other 5 states have indicated that they do not feel it necessary to enact legislation. Further, CGWB is taking Aquifer Mapping in the XIIth Plan in the entire country.

Dr. N.Varadaraj, Member (SAM), CGWB gave presentation on Aquifer Mapping and Management. He presented that CGWB has taken up six selected areas in five states of the country for pilot aquifer mapping involving advanced geophysical techniques. CGWB has planned National Project on Aquifer Management (NAQUIM) in the XIIth Plan on 1:50,000 scale. He emphasized that the target in XIIth Plan is 9.25 lakhs sq.km area. The 2D and 3D aquifer disposition models of pilot aquifer mapping area were discussed. A case study of Tamil Nadu project was also presented. He stressed on involvement of community in aquifer mapping. The data for this can be procured as per sale policy of the respective departments. It was decided that the issue regarding generation and sharing of the data will be taken up with DST. Sh. Arun Kumar, Regional Director, CGWA suggested that in next meeting the representative of DST may be invited.

Agenda Item V. Intensive Programme for Groundwater Recharge in Over-exploited, Critical and Semi critical Areas

The Central Ground Water Board has revised the Master Plan of Artificial Recharge to Groundwater in the country. The presentation in this regard was given by Sh. S.K.Juneja, Scientist D, CGWB. An area of about 941541 sq km has been identified for construction of 1.11 crores recharge structures with an estimated cost of Rs. 79,178 crores. As per recommendations of the Working Group constituted by the Planning Commission for XII Plan, a proposal of Accelerated Artificial Recharge to Groundwater under State Sector Scheme within out lay of Rs. 15000 crores has been prepared by the CGWB. Further it has been downscaled to Rs. 1000 Crore as per the advice of the Ministry. The Group decided that the state government should translate Master Plan from district-wise basis to watershed wise basis. As a pilot project, one district each from Maharashtra, Haryana and Andhra Pradesh should be taken up. There should be a provision of funds for O&M of the schemes. The convergence of Artificial Recharge Schemes with MGNREGA was discussed in details. Sh. S.P.Vashist, Director (MGNREGA), Ministry of Rural Development informed that schemes under MGNREGA involves 60% of the cost of schemes for unskilled labour and of 40% of the cost for semi skilled, skilled and material component. It was indicated that MGNREGA work does not involve participation of contractors, so it was decided that labour component be met from MGNREGA and material component from the recharge scheme project. The Chairman informed that most of the artificial recharge schemes under the state and central sector, the material and skilled component is more. Further all the schemes are implemented through contractors and hence, separation of labour component will be difficult. He further added that this point can be discussed one to one to arrive at better conclusions.

Agenda VI. Systematic approach for coping with floods:

The Director, CWC also gave presentation on the systematic approach for coping with floods. He stressed the need for mapping of areas likely to experience floods, establishing hydraulic and hydrological models and developing comprehensive approach to flood management & reservoir sedimentation. The EFC proposal includes :

- 2,00,000 sq.km flood plains in UP, Bihar and West Bengal would be undertaken through Survey of India for river survey/bathymetric survey.

- Digital Elevation Maps (DEMs) in 1:10,000 scale with contour interval of 0.5 m/1.0 m.
- DEMs will be used for development of inundation forecast models.
- An amount of Rs.410 crore kept for Survey of India.

Sh. Ram Mehar Sharma, Chief Engineer, Haryana Irrigation Deptt. emphasized that in Haryana there is no Desert Development Programme but there are desert areas. On deliberation it emerged that Desert Development Programme will be taken up at par with DPAP programme. The Chairman suggested that group shall advise on the monitoring mechanism of this. Further it was also agreed upon that all the groups have to sit together and work out strategy to achieve this. The Advisor of NWM emphasized the significance of the convergence of different programmes of water conservation and management of different ministries/ departments is required and there should be one central agency for its monitoring and sanctioning. Sh. Dinesh Chand, Addl. Advisor, Ministry of Drinking Water & Sanitation stressed on convergence of IWMP of MORD with other Ministries.

Chairman suggested that one nodal department be identified to monitor all the schemes under artificial recharge and ground water conservation. Before sanctioning any scheme by any central or state agency the concurrence of the nodal department be taken so that monitoring of the schemes can be carried out and duplication can be avoided.

Agenda Item VII. Any other item with the permission of Chair.

Sh. B. M. Murali Krishna Rao, Director, Andhra Pradesh State Ground Water Department gave a presentation on Participatory Groundwater Management in Andhra Pradesh. The role of community in water level, discharge and rainfall measurements was explained. Regarding data sharing it was decided that there should be free of cost data supply for the identified institutions and government departments. The National Water Mission will take up this matter with the Ministry. Sh. Rupinder Singh, Director GSDA, Maharashtra informed that three pilot projects on ground water management with community participation has been taken in Maharashtra. Chairman requested AP and Maharashtra to circulate their success stories for the benefit of the members so that it can be replicated elsewhere.

The meeting ended with vote of thanks to the Chair.

Annexure -I

List of Participants of 2nd meeting of the Inter-Sectoral Advisory Group for Goal-III Focused Attention to Vulnerable Areas including Over-Exploited Areas of National Water Mission held on 18.03.2013

	Name/Designation/Address	
1	Sh. Sushil Gupta, Chairman, Central Ground Water Board. New Delhi	Chairman
2	Sh. D.S.C, Thambi, Member(SML), Central Ground Water Board, New Delhi	Member Secretary
	Dr. Dinesh Chand, Add. Advisor (PHE), Ministry of Drinking Water & Sanitation, New Delhi - Representing Joint Secretary (Water), MDW&S	Member
4	Sh. A.K.Kharya, Director (CC), Central Water Commission, New Delhi - Representing Chief Engineer(P&D), CWC	Member
5	Sh. S.P.Vashisth, Director(MGNREGA), Ministry of Rural Development, New Delhi- Representing Joint Secretary (MGNREGA), MoRD	Member
6	Dr. Maan Singh, DAC, Ministry of Agriculture, New Delhi - Representing Joint Secretary (NRM&RFS), Dept. of Agriculture & Cooperation, MoA	Member
7	Sh. B.M.Murali Krishna Rao, Director, A P State Ground Water Dept. Govt. of Andhra Pradesh, Hyderabad _ Representing Commissioner & Pr. Secretary I&CAD, Govt. of Andhra Pradesh, Hyderabad	Member
8	Sh. Rupinder Singh, Director, Groundwater Surveys and Development Agency, Pune- Representing Pr. Secretary, Dept of Water Resources, Govt. of Maharashtra, Mumbai	Member
9	Sh. Ram Mehar Sharma, Chief Engineer, YWS(N) Haryana Irrigation Dept. - Representing Pr. Secretary, Dept of Irrigation, Govt. of Haryana, Chandigarh	Member
10	Sh. N. K. Vaishnav, Suptdg. Hydrogeologist, Groundwater Dept., Govt. of Rajasthan, Jhodpur - Representing Pr. Secretary, (WR) Water Resources Deptt. , Govt. of Rajasthan, Jaipur	Member
11	Dr. N. Varadaraj, Member(SAM), Central Ground Water Board. Faridabad	Special Invitee
12	Sh. M. Satyanarayana, Advisor(Coord), National Water Mission, MoWR, New Delhi	Special Invitee
13	Sh. Arun Kumar, Regional Director, Central Ground Water Authority, New Delhi	Special Invitee
14	Sh. A.D.Rao, Suptd.Hydrogeologist, Central Ground Water Board, New Delhi	Special Invitee
15	Sh. S.K. Jain, Suptd.Hydrogeologist, Central Ground Water Board, Faridabad	Special Invitee
16	Sh. S.Bhattacharya, Scientist-D, NWM, MoWR, New Delhi.	Special Invitee
17	Sh. Vinod Kumar Adlakha, Executive Engineer, Haryana Irrigation Department	Special Invitee
Secretariat of Inter -Sectoral Advisory Group		
18	Dr. S.K.Gupta, Scientist-D, CGWB, New Delhi	
19	Sh. S.K.Juneja, Scientist-D, CGWB, New Delhi	
20	Sh. M.K.Garg, Scientist-B, CGWB, New Delhi	
21	Sh. Perika Yadaiah, AHG, CGWB, New Delhi	