

NITI Aayog
Natural Resources & Environment Division
(Water Resources)

**Minutes of the first meeting of the Committee constituted to prepare Road-Map of PMKSY
held under the Chairmanship of Member (Agriculture), NITI Aayog**

Date: 14th January, 2016 (10.30 AM)

Venue: Room No. 122, NITI Aayog, New Delhi

List of participants is annexed.

1. Member (Agriculture), NITI Aayog welcomed all the participants in the meeting and expressed that pragmatic strategies for achieving the vision of "Har Khet Ko Pani" with improved on-farm water use efficiency (Per Drop More Crop) are required to be formulated and placed at the core of the PMKSY road-map. Referring to an article on "Har Khet Ko Pani" written by Dr. Tushaar Shah and others, he advised to design proper action plans in consultation with experts of the water sector so as to cover more and more area under assured irrigation as early as possible. He also advised that the concerned Central Ministries/Departments, the States, the research institutions engaged in the water sector and other stakeholders should work together to ensure timely achievement of the targets set under PMKSY for the period 2015-16 to 2019-20.
2. Thereafter, Additional Secretary (Knowledge and Innovation Hub), NITI Aayog informed that suitable recommendations for effective implementation of PMKSY were made in a meeting recently held in the PMO on 13th January, 2016. These, *inter-alia*, included preparation of District Irrigation Plans (DIPs) for all the districts; prioritization of 23 projects for completion by March, 2017 and another 23 projects for completion in the next 2 to 3 years under AIBP; implementation of CAD works along with major, medium and minor irrigation projects for maximum utilization of created irrigation potential; early finalization of the Action Plan under all four components of PMKSY for 2016-17 by the National Executive Committee; financial support for PMKSY to be explored in consultation with NABARD, Ministry of Finance, the States and others concerned; and close monitoring of programme implementation by NITI Aayog in association with other concerned Central Ministries/Departments.
3. This was followed by a presentation by Adviser (Water Resources), NITI Aayog on the subject i.e. draft road-map of PMKSY. Adviser (WR) presented water scenario of the country

and highlighted the status of availability and demand of water for irrigation and other sectors. He shared data and information on existing irrigation potential, potential created and potential utilized; physical targets and indicative outlay under PMKSY; Performance Indicators (Milestones), timelines (completion date) and achievements made; prioritization of projects under AIBP; and details of PMKSY (*Har Khet Ko Pani*), PMKSY (Per Drop More Crop) and PMKSY (Watershed Development) through his presentation. He emphasized upon the need to expand irrigation coverage and also to enhance water use efficiency. Various strategies aimed at effective implementation of PMKSY were also presented in the meeting for deliberations and making recommendations. Data gap and information required from various line ministries/departments to prepare the Roadmap for PMKSY were also shared with the participants.

4. Dr. J. S. Samra, ex-CEO, NRAA suggested to accord top priority to utilize the unutilized irrigation potential which has been created by implementing major, medium and minor irrigation projects in the country. He further emphasized to encourage farmers to use groundwater sustainably for irrigation along with efficient micro-irrigation systems in safe blocks¹. Adequate power supply to the energized pump-sets of farmers for irrigation through groundwater in such areas was also stressed. The Commissioner (SP), Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR, RD&GR) informed that the States have been requested to furnish the details of unutilized irrigation potential by the second week of February, 2016. Such details as well as strategies to bridge the gap between irrigation potential created and utilized may also be included in the District Irrigation Plans (DIPs). Joint Secretary, Department of Agriculture, Cooperation and Farmers Welfare informed that more than 200 DIPs are expected to be prepared by March, 2016 and the remaining DIPs may be completed in the next financial year. He further suggested to adopt different strategies for rain-fed areas and irrigated areas for getting maximum sustainable benefits.

5. The Joint Secretary, Department of Land Resources made a presentation on PMKSY (Watershed Development) highlighting status of watershed programme; status and progress of IWMP projects; requirement of funds for completion of sanctioned projects under IWMP etc. He stated that a total of 8,214 projects covering an area of 39.07 million ha have been sanctioned

¹ Blocks where stage of groundwater development is less than or equal to 90 % with no significant long-term water level decline, pre and post-monsoon.

under IWMP. He further stated that as per the revised funding pattern of 60:40, an additional allocation of Rs. 9,020 crore would be required for completion of all sanctioned projects which will result in bringing additional area of 1.6 million ha as under irrigation. The Commissioner (SP), Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR,RD&GR) made a presentation highlighting current status of projects under AIBP and Har Khet Ko Pani components of PMKSY; details of prioritized projects under AIBP; interventions planned for bridging the gap between irrigation potential created and utilized; and efforts being made for improving water use efficiency. He informed that the proposed target to cover 7.5 lakh ha under AIBP would be achieved by completion of 46 prioritized projects subject to availability of funds. He further stated that additional Rs. 13,000 crore would be required to complete remaining 43 projects out of 89 active AIBP projects. The presentation also highlighted that, there are 122 on-going CAD&WM projects with CCA of 66.74 lakh ha, for which about Rs.16,700 crore will be required. These investments look more beneficial for increasing area coverage under assured irrigation as compared to the prioritized 46 projects under AIBP.

6. The Commissioner, Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW) made a presentation on PMKSY - Per Drop More Crop (Micro Irrigation). He highlighted requirement of funds (Central share) and proposed area to be covered under micro-irrigation for the period 2015-16 to 2019-20. He also proposed for adoption of uniform rate of subsidy for all areas i.e. DPAP/DDP areas and other areas. He further stated that in the event of non-availability of beneficiaries in a particular category, utilization of funds by beneficiaries in another category may lead to coverage of more area under the scheme. Various issues concerned with field-level application of micro-irrigation system were also discussed. Dr. J. S. Samra, ex-CEO, NRAA advised to popularize learnings from best practices such as Sanchole irrigation project in Barmer District of Rajasthan.

7. Additional Secretary, Department of Agriculture, Cooperation and Farmers Welfare informed that on-line MIS for PMKSY is being developed and is expected to be made operational soon. The Joint Managing Director, Gujarat Green revolution Company Ltd. made a presentation on "Best Practices of Micro-Irrigation scheme" being implemented in Gujarat. He highlighted unique features responsible for success of the programme such as Simple and Flexible Approach; single-window approach; transparency in processing of applications for

availing micro-irrigation benefits; effective quality monitoring and assurance system; use of IT-based application to prepare cost and design and to monitor the installed system; basket of services including maintenance, warranty and guarantee of MI components for five years etc. He also informed that new initiatives such as "Biometric System" to ascertain genuineness of the beneficiary farmers, Geo-fencing based design and cost estimate Preparation etc. have also been taken up as per PMKSY guidelines. The Director, ICAR-IISWC, Dehradun indicated the difference between precipitation received (4,000 BCM), water available for use (1,869 BCM) and Water Utilizable (1,123 BCM) and emphasized upon taking suitable measures for maximum use of precipitation received. He advised to implement well-planned schemes for rain water management with focus on storage of unused rainfall for deferred use, control of run-off and control of direct evaporation.

8. After detailed discussions, the following recommendations were made in the meeting:-

- (i) District Irrigation Plans (DIPs) may be prepared as per PMKSY guidelines for all districts in the country at the earliest. The DIPs should also incorporate possibilities of convergence of other schemes with PMKSY.

Action: DAC&FW

- (ii) Projects under all components of PMKSY i.e. AIBP, CAD&WM, RRR of Water Bodies, Surface Minor Irrigation, Micro-Irrigation and Watershed Development may be prioritized for implementation during the period 2015-16 to 2019-20. The details of prioritized projects may be provided to NITI Aayog by 31st January, 2016.

Action: DAC&FW, DoLR and MoWR, RD&GR

- (iii) Subsidy for micro-irrigation to various categories of beneficiaries may be based on their share in cultivated land as reported in Agriculture Census rather than population census. Guidelines may be amended accordingly in consultation with the States and with the approval of competent authority.

Action: DoLR

- (iv) In order to ensure coordination with various departments/agencies in the States/UTs for implementing PMKSY, the proposal for creating Special Purpose Vehicle may be

placed in the next meeting of the National Executive Committee (PMKSY) for consideration.

Action: DAC&FW

- (v) The State Level Sanctioning Committee (SLSC) under PMKSY may be empowered to sanction projects emanating from approved District Irrigation Plans (DIPs) and not having any inter-State river water issues. However, water allocation awarded by a Tribunal needs to be strictly followed. The experts from CWC and other Central Ministries/Departments may attend the meeting of SLSC and present their views/observations on the project proposals in the meeting. The proposal to amend PMKSY guidelines as such may be placed in the next meeting of the National Executive Committee (PMKSY) for consideration.

Action: DAC&FW

- (vi) CAD works may be taken along-with major, medium and minor irrigation projects for maximum utilization of created irrigation potential.

Action: MoWR,RD&GR

- (vii) Mechanism for on-line monitoring of project implementation under PMKSY may be put in place at the earliest.

Action: DAC&FW

Annexure

List of participants who attended the first meeting of the Committee constituted to prepare Road-Map of PMKSY held on 14.1.2015 under the Chairmanship of Member (Agriculture), NITI Aayog

Sl. No.	Name & Designation
1	Prof Ramesh Chand, Member (Agriculture), NITI Aayog - In Chair
2	Shri Alok Kumar, Additional Secretary, NITI Aayog
3	Shri Yudhvir Singh Malik, Additional Secretary, NITI Aayog
4	Sh. Jalaj Shrivastava, Addl. Secretary, Department of Agriculture, Coordination and Farmers Welfare (DAC & FW)
5	Dr P.K.Mishra, Director, Indian Institute of Soil and Water Conservation, Dehradun
6	Dr. S.K.Malhotra, Commissioner (Agriculture), DAC&FW
7	Sh. R.B. Sinha, Joint Secretary, DAC&FW
8	Shri Sandeep Dave, Joint Secretary, Department of Land Resources
9	Shri Pradeep Kumar, Commissioner(SP), Ministry of Water Resources, River Development and Ganga Rejuvenation (MoWR, RD&GR)
10	Shri Sanjiv Aggarwal, Chief Engineer, Central Water Commission
11	Dr J.P.Mishra, Adviser (Agriculture), NITI Aayog
12	Shri. Jitender Kumar, Adviser(WR), NITI Aayog
13	Shri Avinash Mishra, Jt. Adviser(WR), NITI Aayog
14	Dr J.S. Samra, Ex-Chief Executive Officer, National Rain-fed Area Authority
15	Shri. N.Manjunatha Prasad, Secretary, Agriculture, Government of Karnataka
16	Shri. Rajeev Kumar Sukalika, Commissioner Command Area, Water Resources Department, Bhopal, Government of Madhya Pradesh
17	Shri. R.K.Sugoor, Joint Managing Director Gujarat Green Revolution Company, Gujarat
18	Shri Tapash Deb, Deputy Resident Commissioner, Assam Bhawan, New Delhi
19	Shri Dhruva Kumar Singh, Director, Ministry of Rural Development
20	Shri N.K.Santoshi, Director (SP - Orissa & Assam),NITI Aayog
21	Shri. B.Rath, Additional Commissioner, DAC & FW
22	Shri. J.R.Boro, Sr. Joint Commissioner, MoWR,RD & GR
23	Shri. Rajiv Kumar, Sr. Joint Commissioner, MoWR,RD & GR
24	Shri. Baleshwar Thakur, Sr. Joint Commissioner), MoWR,RD &GR
25	Shri. Sanjay Kumar, Director(States), NITI Aayog
26	Shri V.B.Singh, Director (States), NITI Aayog
27	Shri. A.Muralidharan, Dy. Adviser (WR), NITI Aayog