

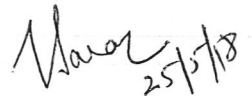
F.No. 15011/1/2018-CADWM 1942-1038
Ministry of Water Resources, RD & GR
CADWM Wing

438 Krishi Bhawan,
New Delhi.
Dated: 25th May, 2018.

Subject:- Minutes of the Third Meeting of the Project Implementation Review Committee (PIRC) FOR CADWM implementation of 99 Prioritised Irrigation Projects Under PMKSY held at Vadodara on 10TH & 11TH May, 2018.

The 3rd Meeting of Project Implementation Review Committee (PIRC) for CADWM Implementation of 99 Prioritized Projects under PMKSY was held at Vadodara on 10th & 11th May, 2018 .

The approved Minutes of the Meeting is enclosed for information and necessary actions on the decisions taken in the meeting. It is requested to submit the status of actions taken on the decisions at the earliest.



(Vijai Saran)
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Distribution:-

1. Principal Secretary/Secretary, Govt. of Andhra Pradesh, Assam, Bihar, Chhattisgarh, Goa, Gujarat, Jammu & Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Odisha, Punjab, Rajasthan, Telangana and Uttar Pradesh.
2. Member (RM), CWC, Sewa Bhawan, R.K. Puram, New Delhi.
3. All Chief Engineers, CWC of the Region concerned to above States.
4. Commissioner, SPR, MoWR, RD & GR
5. Chief Engineer, PMO, CWC, Sewa Bhawan, R.K. Puram, New Delhi.
6. Secretary, India NPIM, New Delhi.
7. All participants of the meeting as per Annexure-I.

Copy forwarded to:-

1. PPS to Secretary MoWR, RD & GR, Shram Shakti Bhawan, New Delhi.
2. PPS to Chairman, CWC, Sewa Bhawan, R.K. Puram, New Delhi.

MINUTES OF THE 3rd PROJECT IMPLEMENTATION REVIEW COMMITTEE (PIRC) MEETING FOR CADWM IMPLEMENTATION OF 99 PRIORITIZED IRRIGATION PROJECTS UNDER PMKSY HELD AT VADODARA, GUJARAT ON 10-11 MAY, 2018

The 3rd meeting of the Project Implementation Review Committee (PIRC) for CADWM implementation of 99 prioritized irrigation projects was organized at Vadodara, Gujarat on 10-11 May, 2018. The two-day program included field visit on the first day (10th May) for CADWM works executed in the Sardar Sarovar Project followed by a meeting on 2nd day (11th May), covering review of CADWM progress and discussion on shortcomings/bottlenecks encountered in project implementation.

2. In view of gaining a better understanding of the key interventions, participation of top level officials dealing with the projects was planned for the 3rd PIRC meeting. Shri Y.K. Sharma, Member (RM), CWC and Shri S.S. Rathore, CMD, SSNNL, Gujarat graced the occasion. Dr. B. R .K .Pillai, Commissioner (CAD) along with other officers of MoWR, RD & GR, and the Officers from the State Government of all the 18 PMKSY States except Kerala attended the meeting. All concerned Chief Engineers of CWC Regional Offices and Headquarter attended the meeting. Shri Sanjiv Aggarwal, PMU-PMKSY and Shri Y.D. Sharma, Secretary India NPIM also attended the two-day program. The list of participants is given at **Annexure-I** and summary record of PIRC decisions and recommendations is given at **Annexure -II**.

FIELD VISIT ON 10TH MAY, 2018

3. The field visit was organized on 10th May and the team visited 3 sites where underground pipeline works were being carried out/ have been executed. In the afternoon session, the team visited the Sardar Sarovar dam, main canal and powerhouse sites.

Key observations of the team during the field visit are summarized below:-

- i. The team first visited the Underground Pipeline System of sub-minor (SM-1) offtaking 60 m from Paragam Minor which off-takes from Sompura Distributory of Mandva Branch Canal in Narmada District. The sub-minor (SM-1) is an underground pipeline of diameter 250 mm and length 917 m covering CCA of 43.387 ha. There are about 37 beneficiary farmers in this sub-minor who are served irrigation water through 7 turnouts/kundies. The first 2 turnouts on the Sub Minor were inspected and the functioning of the T-Valve was explained by the concerned Chief Engineer of the State Government and Commissioner (CAD) for the benefit of the team members. Each turnout has openings or pipe outlets and the farmers on their own carry water from the turnout by means of flexible pipe or by digging earthen field channels. In this case, a pipe outlet was provided for the benefit of the farmers. There are committees formed at Sub Minor levels for operation of valve in order to release water as per rotation. Only single valve handle has been made available for opening of valve of any turnout on a sub-minor, so as to ensure that only one valve remains opened in a sub-minor at a time as per the requirement of the farmers and as decided by the sub-

minor level committee. Although, due to lack of availability of water in the system, during the visit, the actual flow of water from the turnout could not be demonstrated at this location, it was observed that the outlet pipe on the diggy was provided at the top of the diggy. The team recommended that the diggy should be raised about 6 inches above the top of outlet pipe to prevent overflowing of water, although, the level of the outlet of pipe can be kept same depending on the command area to be served by that outlet.

- ii. The team then inspected CAD works of sub-minor (SM-1) of Dabhed minor. The sub-minor (SM-1) offtaking from Dabhed minor which in turn offtakes from Dabhed distributary of Wadia Branch Canal in Narmada district. The Dabhed minor serves a CCA of 348 ha. The sub-minor (SM-1) is an underground pipeline of diameter 225 mm and length 570 m covering CCA of 24.03 ha. There are about 19 beneficiary farmers in this sub-minor who are served irrigation water through 4 turnouts. Each turnout roughly serves an area of about 6 ha. It was observed that outlet pipe was not provided and in this case a rectangular slot on all 4 sides was provided in the kundi for taking the water to the fields. Team members suggested that option of providing pipe outlet with some control mechanism will be better in preventing wastage of water.
- iii. The team then visited the underground pipeline system of sub-minor (SM-1) of Mithivav Minor, offtaking at Chainage 410 m from Amroli distributary of Wadia Branch Canal. The sub-minor (SM-1) serves CCA of 56.64 ha. The sub-minor (SM-1) is an underground pipeline of diameter 280 mm and length 2200 m. There are about 40 beneficiary farmers who are served irrigation water through 8 turnouts/kundies. In order to demonstrate the flow of irrigation water through the turnouts, the State Government officers arranged for water in the sub-minor (SM-1) through underground tube well. The flow from the turnout could be observed by using the handle, i.e. T-Valve. Further, the team members also expressed desire for observing laying and fixing mechanism of unplasticized PVC pipes. The same was demonstrated for the benefit of the team members. The main pipes with running length of about 6 m are joined with a simple arrangement of rubber gasket (without use of any binder solution). The laying procedure of the underground pipeline was also explained by the State Government officers. First, excavation of trenches is done by using JCB followed by laying of pipes at 1 m depth below the ground level and back filling with the excavated soil. Air vents are provided at suitable spacing of the turnout location. The State Government officers intimated that the progress of laying pipe is about 200 to 300 m per day and additional time is required for the construction of kundis housing the turnouts. It was informed that farmers do not allow excavation works during the crop period, and hence, the working period is restricted to only 4 months from March to June.
- iv. Though the team could not visit any of the location requiring pressurized flow (through diesel pumps deployed at the head of underground pipe line), the basic concept of the same was explained by Commissioner (CAD). Noting that 20 to 30% of the underground pipe line coverage may entail pressurization, the team

observed that such arrangement can also be used for development of Micro Irrigation. The team was however of the view that in case of separate storage requirements for meeting frequent supply requirement of irrigation water, the micro- irrigation system should be developed independently.

- v. In the afternoon, there was a detailed presentation on Sardar Sarovar Project by Government of Gujarat. The presentation elaborated the design and construction aspects of the Sardar Sarovar Project command, and all queries of the team members were addressed by project officials. This was followed by presentation of a short film on construction of the unity statue downstream of Sardar Sarovar Dam.
- vi. The team then inspected 6 x 200 MW Underground Riverbed Power House of Sardar Sarovar Project. The concerned officers intimated that the cost of the power house has already been recovered by production of hydro-power. The functioning of the power house and the challenges encountered during the construction of the underground power house were also briefly explained to the team. This was followed by a visit to the Sardar Sarovar Dam in which the radial crest gates were installed recently and the first filling of the reservoir is awaited. The team suggested linking of Public Warning System with the crest gates operation. The team then visited the site of the irrigation bypass tunnel which was in use to convey water to the canal even with water level in reservoir (i.e. EL104.566 m) being lower than MDDL (i.e. EL 110.38 m). The visit was concluded with the inspection of Head Regulator and RD-zero of the Main Canal reach.

PROJECT IMPLEMENTATION REVIEW COMMITTEE (PIRC) MEETING ON 11TH MAY, 2018

4. The Project Implementation Review Committee meeting was held in Narmada Guest House, Vadodara at 10 AM. At the outset, Commissioner (CAD) welcomed all participants, and also expressed his gratitude to Shri S.S. Rathore, CMD, SSNNL for facilitating the 3rd PIRC meeting at Gujarat. He urged the other PMKSY States to take advantage of the learning curve of Sardar Sarovar Project in Gujarat, and explore the possibility of adopting underground pipeline in their projects as per feasibility. He underscored the fact that substantial physical progress of about 3-4 lakh ha per year was being achieved in Sardar Sarovar Project with proper contract packaging. He also drew attention of the participants to the field visit underlining that at some places, the lined field channels were being replaced by underground pipeline by Govt. of Gujarat.

5. Shri S. S. Rathore, CMD, SSNNL welcomed all the participants. Stating that initiative of the Union Ministry of Water Resources has enabled a common platform for taking advantage of different State's experiences. He informed that Gujarat has benefitted from Maharashtra's innovative approach for land acquisition. He also assured full technical support to other States who may be interested in underground pipe line network, including sharing of tender documents, works specifications and tripartite agreements with contractors and Water User's Associations.

6. Shri Y. K .Sharma, Member (RM), CWC thanked the Govt. of Gujarat officials for arranging the site visit and also applauded the participation of other State officials and CWC officials in learning from the experience of Gujarat in underground pipeline network. He also assured CWC regional offices' full cooperation in speeding up the PMKSY works progress in different states.

7. Discussions were held on the pace of implementation, micro-irrigation and roadmap for PIM implementation in 99 projects, and the following key decisions were taken:-

- i. Focus on non-structural intervention under CADWM and strengthening of WUAs shall be brought by providing handholding support through social facilitators. The agreement being finalized by Govt. of Gujarat with NGOs shall be shared with all for appropriate actions by respective States.
- ii. Suitable changes in CADWM guidelines shall be incorporated to facilitate hiring of social facilitators by State Govts. Requirement for other changes in guidelines, if any, shall be informed by States within a week's time.
- iii. The present guidelines mandate micro-irrigation coverage in at least 10% of the CCA of the project. In exceptional cases, the shortfall in micro-irrigation target from one project may be shifted to (more suitable) another project within the State; and in this manner, some of the lift irrigation schemes can be targeted for 100% micro-irrigation in a cost effective manner benefitting from economies of scale. The modified guidelines shall facilitate above flexibility in implementation of micro-irrigation.
- iv. The modified guidelines shall also address the issue of coverage up to each farm field by combination of pipeline/ lined field channels/ earthen channels; appropriately. Specific suggestions in this regard, if any, shall be informed by states within a week's time.
- v. States were advised to propose physical target of 2018-19 in such a way as to ensure scheduled completion of the projects by December, 2019. Hence proposal for CA release for meeting the physical target of 2018-19 shall be submitted by the State Governments by early June for affecting CA release in the first quarter itself. State Governments shall also keep adequate provision in the State budget so that they are able to meet the physical target set for 2018-19.
- vi. All State Governments were requested to ensure entry of project details and progress data in the CADWM-MIS portal developed by NIC. The proposal for release of CA during 2018-19 shall also be submitted by the State Government using CADWM-MIS portal. In case of requirement of assistance with MIS, the officials of PMU/NIC shall be contacted; and if required PMU/NIC officials shall conduct trainings at premises of State Govts.

- vii. The State Governments were requested to release the infrastructure and the functional grant to registered WUAs wherever CA for this component has been released. They shall also map the release to WUAs on the CADWM-MIS portal for record and reference of the Direct Benefit Transfer.
 - viii. As part of continued project monitoring several project inspection visits are being undertaken by the officials of CWC regional offices and the PMU. The actionable comments / observations of the inspection visits shall be mapped by concerned CWC/PMU officials on the CADWM-MIS portal, for appropriate follow-up action by the Project authorities and recording of compliance by State nodal officer on the portal.
 - ix. Convergence with the extant 'Per Drop More Crop' Scheme of Ministry of Agriculture & Farmers' Welfare is required to be carried out for farm level development of micro-irrigation wherever micro-irrigation infrastructure is being developed with CADWM funding. State Governments shall submit proposals for cluster level subsidy (central) assistance to MoA&FW with due concurrence of the SLSC. Funds can also be availed by State Governments for meeting any top-up subsidy to farmers through 'Micro-Irrigation Fund' to be operated by NABARD.
 - x. Details of completed outlets is required to be progressively shared with MoA&FW so that action for crop planning by respective Agriculture Universities can be initiated by MoA&FW. State Governments shall mark the completion of respective outlets on the CADWM-MIS Portal so that information can be transparently generated and shared with MoA & FW in the form of MIS Report.
 - xi. The India NPIM was created by MoWR, RD & GR as part of CADWM vision for promoting PIM activities across the country. All officials associated with CADWM activities at central/state and project levels shall come forward to avail the presently opened life membership window with one time fee of Rs 2000. The increased membership shall suitably be followed up with creation of state specific chapters of India NPIM.
8. The State Government officers were requested to make presentation on CADWM activities and the progress achieved. The State-wise details of deliberations held in the meeting are as under:-
- i) **Andhra Pradesh** : There are 8 projects in list of 99 prioritized AIBP Projects under PMKSY. Out of these 8 projects, one project namely Maddigeda has been considered as deemed completed, while in respect of Yerrakalva project State Govt. has to resubmit the revised DPR proposal. Accordingly, six projects have already been included under CAD&WM Programme. During 2017-18, CA release proposal of only one project namely Gundalakamma was submitted by the State Government. As such State Govt. was requested to submit more proposals for release of Central Assistance for CAD works during 2018-19 keeping in view of the total target of these included projects. The representative of State Govt. informed that during 2018-19, proposals of 5

projects will be submitted in the next one month for release of CA amounting to about Rs. 40 Cr. He also assumed that overlapping of works between AIBP and CADWM components will not occur. **(Action: Govt. of Andhra Pradesh)**

ii) **Assam** : There are 3 projects in the State of Assam out of which 2 projects, namely, Dhansiri and Champamati are already included under CAD&WM Programme of PMKSY. The DPRs of the 3rd Project (Borolia) was submitted by the State Government. However, now the State Government is proposing a revised DPR of Borolia project using Underground Pipeline. State representative assured that modified DPR of Borolia will be submitted by mid June to CWC. CWC officials gave assurance for speedy action for project inclusion. The project authorities intimated that Dhansiri project shall be completed by December, 2019. CA release proposal will be submitted after utilizing Rs.9.73 crore which was released as Central Assistance during 2015-16. Out of 50 WUAs constituted in Dhansiri Project, only 43 WUAs have been registered and the remaining 7 WUAs are under process of registration. During 2018-19, infrastructure grant is to be released to 19 WUAs in Dhansiri project. Central Assistance amounting to Rs.3.55 crore was sanctioned by MoWR, RD & GR during 2017-18 in respect of Champamati project. However, it could not be released by NABARD due to non-inclusion of the project; follow-up action shall be taken by PMU for release of funds after inclusion of project by NABARD at the earliest. **(Action: Govt. of Assam; CWC Regional Office & HQ; PMU)**

iii) **Bihar**. There are 2 projects, namely, Durgawati and Punpun under 99 prioritized projects. Presently only Durgawati project is included under CADWM programme. It was informed by State officials that CADWM works cannot be taken up in Punpun Barrage Project because the works under AIBP component are held up owing to land acquisition issues; accordingly, it was decided to withhold Punpun project from further discussion. It was mentioned by State Government representative that Durgawati project is scheduled for completion by March, 2019; State Govt. was requested to match the CA proposals with the balance physical works and also keep appropriate budget provisions. It was also discussed that the infrastructure grant and the functional grant may be released to WUAs in respect of Durgawati project by the State Government for proper functioning of the WUA's. **{Action: Govt. of Bihar}**

iv) **Chhattisgarh**. There are 3 projects in the State; and all have been included under CADWM programme. It was also informed that CA sanctioned for Maniyari and Kharung projects during 2017-18 could not be released by NABARD due to non-inclusion; follow-up action will be taken by PMU for the earliest release. The state government representative informed that the tenders for all the three CADWM projects have been invited. He further mentioned that the CAD works of these projects are scheduled for completion in the next 2 years, i.e. by 2019-20. However, the Regional Chief Engineer, CWC informed that keeping in view the preparedness of State Govt. for CAD intervention in these projects, it may be difficult to complete CAD works in the next 2 years. After brief discussion it was agreed that CWC will closely monitor and also extend necessary assistance to these projects so that the overall objective of Har Khet Ko Pani may be achieved in time. **{Action: Govt. of Chhattisgarh, CWC Regional Office; PMU}**

v) **Gujarat.** CA amounting to Rs.690.48 crore (in two installments) was released to Sardar Sarovar Project during 2017-18 and progress achieved has been intimated as 2.7 lakh ha. The target CCA planned to be developed during 2018-19 is 2.7 lakh ha and project is scheduled to be completed by December, 2019. The State government informed that 4466 WUAs are to be constituted for the entire CCA of 17.92 lakh ha. So far 2545 WUAs have been constituted and 2368 have been registered. The irrigation system has been handed over to 999 WUAs. The State Government was advised to release functional and infrastructural grants to the WUAs for which Central assistance has already been released and also record it in the MIS (CADWM) portal. The state government was requested to furnish details of all grants released to WUAs to CWC/ Ministry while submitting proposal of CA release during 2018-19. The State Government was also requested to furnish details of Micro-Irrigation coverage achieved under the project. **{Action Govt. of Gujarat}**

vi) **Goa.** There is only one CADWM project in the State of Goa, namely, Tillari. Out of total CCA of 14521 ha, CAD works have been completed in 5866 ha and balance CCA is 8655 ha, but tenders have been floated only for 411 ha and CAD works are in progress in 626 ha. Hence, about 7678 ha of CCA is yet to be tendered. The State Government was advised to complete the balance works wherever feasible at the earliest; for which CA release proposal for 2018-19 may be submitted and adequate budget provision may be kept. The State Government informed that while total of 150 WUAs have been planned to be constituted, 42 WUAs have been constituted till date and action for other is in process. **(Action: Govt. of Goa)**

vii) **Jammu & Kashmir.** There are 4 projects in the State of J&K within the 99 prioritized AIBP projects under PMKSY. Out of these 4 projects, CAD works are not required in one project, namely, Modernization of Ravi Canal. All the remaining 3 projects, namely, (i) Parkachik Khwas (ii) Rajpora Irrigation and (iii) Tral Irrigation projects have been included under CADWM programme of PMKSY. The Parkachik Khwas project is targeted to be completed by December, 2019 and till date no WUAs have been formed. Both Rajpora and Tral projects are targeted to be completed by 2018-19 and till date 3 WUAs have been constituted in both the projects and their registration is under process. In view of the small targets, the State was advised to seek full completion in 2018-19 and accordingly submit CA proposal at the earliest. **{Action: Govt. of Jammu & Kashmir}**

viii) **Jharkhand.** There is only one project in the State, namely, Subarnrekha under the 99 prioritized list of AIBP projects under PMKSY. The project is yet to be included under CADWM Programme. The State Government representative informed that the part DPR of the Subarnarekha project, namely, DPR of Chandil Left Main Canal (CLMC) for CCA of about 20 thousand ha. has been submitted to CWC for inclusion in the CADWM Programme. However, during the last review meeting of the prioritized projects, the State Govt. had mentioned that DPR of Galudih Left Main Canal (GLMC) will also be submitted by February, 2018 to CWC, but it is yet to be submitted by State Govt. It was further mentioned by State Government representative that Under Ground Pipe Line (UGPL) has also been proposed in CLMC aiming to improve water use efficiency. It was also informed by the State representative that the case for release of

Central Assistance in respect of CLMC will be submitted within next month. CWC representative assured compliance on the submitted part DPR within a week's time. **{Action: Govt. of Jharkhand; CWC HQ}**

ix) **Karnataka.** There are 5 projects in the list of 99 priority projects in the State. Out of which four projects have already been included under CADWM programme, while DPR of Karanja project is under process of inclusion in the MoWR, RD&GR. During 2017-18, State Govt. had submitted proposals in respect of only 2 projects for release of CA. As regards the planning for 2018-19, State representative informed that Central Assistance to the tune of Rs 125 Crores in respect of all 5 projects of Karnataka will be submitted shortly. It was discussed in the meeting by the CE, CWC, Bangalore that while including the prioritized projects in CAD programme, the State Govt. was requested to submit details of Geo-Tagging, details of inclusion of projects in DIP as well as in SIP at the stage of submission for proposal for release of Central Assistance. It was pointed out that these issues have been discussed earlier in review meetings held in the Ministry, wherein it was decided that the details of DIP / SIP and the Geo Tagging may not be insisted while processing the proposal for release of Central Assistance by CWC, and State may comply with these requirements parallelly. In respect of formation of WUAs, the State representative informed that out of total targeted 255 WUAs in all prioritized projects, 206 WUA's have been formed while formation of remaining 49 WUAs will be taken up shortly. **{Action: Govt. of Karnataka}**

x) **Kerala.** In absence of State officials, the case of Kerala was presented by CWC Regional Office. In Kerala, there are 2 projects namely Muvattapuzha and Karapuzha, out of which Muvattapuzha has already been included under CADWM Programme. Regarding Karapuzha, it was informed that CADWM works cannot be taken up because the works under AIBP components are held up owing to land acquisition issues; accordingly, it was decided to withhold Karapuzha project from further discussion. Progress of CAD works in respect of Muvattapuzha project was noted as very slow. It was mentioned by the Regional Office of CWC that the Budget allocation by the State Govt. against the CAD works is an issue for which the State Govt. needs to be sensitized. During 2017-18 no budget provision was kept for Muvattapuzha Project, while during 2018-19, an amount of Rs. 45 Cr. has been proposed by the project officials but not agreed by the State Govt. It was decided that CWC will appropriately take up the matter with the State Government for ensuring adequate provision in the State Budget for ensuring completion of physical targets **(Action: MoWR, Govt. of Kerala; CWC Regional office)**

xi) **Madhya Pradesh.** There are 13 prioritized projects in the State of Madhya Pradesh and all of them have been included under CADWM programme. As regards the physical and financial targets during 2018-19 for CAD intervention in the State against the prioritized projects, the State representative mentioned that during 2018-19, target of coverage of one lakh ha. has been kept, for which, Central Assistance to the tune of Rs.160 Cr. may be required. It was informed that the progress of CAD intervention is slow in respect of the projects of NVDA, namely ISP, OSP and BDP, whereas in the projects of WRD, the targeted completion by 2019-20 will be realized. However, the Chief Engineer, CWC, Bhopal mentioned that CAD works may be

completed by State Govt. in respect of Mahuar project, Bariyarpur LBC project and the Mahi project by 2018-19, while in other projects of WRD, it appears that the completion may go beyond 2019-20. As such, the State Govt was requested to expedite the completion of CAD works. The State Govt was also requested to give due emphasis on the Non-Structural component of CAD intervention including timely transfer of the infrastructure grant and the functional grant to WUAs by the State Govt. for proper functioning of the WUA's. NVDA was also advised to seek early completion of works by exploring possibilities of UGPL Network on the lines of works taken up by Govt. of Gujarat. **{Action: Govt. of Madhya Pradesh}**

xii) **Maharashtra.** There are 26 AIBP projects in the State of Maharashtra, out of which CAD works are not required in 4 projects. All the remaining 22 projects have already been included under CADWM programme of PMKSY. Out of 22 projects, 6 projects are scheduled to be completed by March, 2019 and one project by December, 2018. All the remaining 15 projects are targeted to be completed by 2019-20. During 2017-18, CA amounting to Rs 32.826 Crores was released to 14 CAD projects of Maharashtra. State Government was advised to explore the possibility of using underground pipeline, especially, in Morna, Kudali, Ghosikhurd, Lower Dudhna and Lower Pedhi projects, if feasible. The Chief Engineer, CWC, Nagpur stated that there is mismatch in physical targets and budget proposals and more budget allocation is required to meet the physical targets. The State Government representative informed that State budget provision 2018-19 is about Rs.200 crore only, and CA proposals will be submitted accordingly. However, the total cost of CADWM works of all 22 projects is Rs.2085 crore targeting balance area of about 5 lakh ha.; considering this, the State was advised for major upward revision in allocation in the state budget. The State Government was further advised that wherever underground pipeline works are being undertaken both at minor and sub-minor level, it is necessary to ensure that no duplication of booking of expenditure gets encountered under CAD and AIBP components. The regional office of CWC was also advised to ensure thorough checking of the CA proposals so that there is no duplication of booking of works in the CAD and AIBP component. The State Government was also advised to take up the micro-irrigation works as per the target. State Government informed that a total of 1700 WUAs are targeted to be constituted in the State of Maharashtra. Sanjiv Agarwal of PMU stated that seeing the cropping pattern in the command many projects are tailor-made for adoption of micro-irrigation and a change in approach is required. **(Action Govt. of Maharashtra; CWC Regional Office)**

xiii) **Manipur.** There are 2 projects in the State of Manipur, namely, Thoubal and Dolaithabi. Central Assistance has been released to both the projects during 2015-16. The State Government has informed that CA already released during 2015-16 will be utilized by June, 2018 and only then CA proposal for both the projects for the year 2018-19 amounting to about Rs.27.5 crore shall be submitted. However, the State Government officers also intimated that the State budget provision is only about Rs.1.8 crore. It was decided that Regional CWC office will appropriately take up the matter with the State Govt. for sufficient provision in the State budget so that CA to the targeted extent of Rs. 27.5 Cr. can be released timely. State Government further intimated that 18 number of WUAs and 10 number of WUAs has been constituted in

Thoubal and Dolaithabi project respectively; process of registration of WUAs under Societies' Registration Act has been initiated. **{Action: MoWR; Govt. of Manipur; CWC Regional office}**

xiv) **Odisha.** In Odisha, there are 8 prioritized projects and all are included under CADWM. The State representative mentioned that Upper Indira project and Rukura project will be completed by June, 2018. Ret, Telangiri and Lower Indra by March 2019 and others by March 2020. In Lower Indra and Anandpur, UGPL is planned. The total targeted CA for the 8 included prioritized projects is of the order of Rs 420 Cr. and CA of only Rs 94 Cr. has been availed by State Govt. upto 2017-18. The State representative mentioned that during 2018-19, they have plan for coverage of about 195 thousand ha. by utilizing Rs. 220 Crore, out of which CA of about Rs.110 Cr. will be required. As regards the formation of WUAs, the State Govt. was requested to expedite the formation of WUAs, since out of 537 WUAs proposed, only 88 have been formed. It was pointed out that Odisha is being projected as Model State in matters of PIM and hence State must constitute WUAs and release grants to the registered WUAs at the earliest and also hand over completed outlets to the WUAs. **(Action: Govt. of Odisha)**

xv) **Punjab.** There are 2 prioritized AIBP projects under PMKSY in the State of Punjab. "Rehabilitation of 1st Patiala Feeder and Kotla Branch project" was withdrawn by the State Government from CADWM programme due to mismatch in the actual CCA coverage vis-à-vis CCA mentioned in the Cabinet Note. However, now State Government has requested to consider inclusion of the project for the balance CCA coverage and not to restrict to CCA as mentioned in the Cabinet Note. The request shall be examined in the Ministry for which information regarding financial implementation is required to be submitted by the State Government through CWC Regional Office. The structural works of the Kandi Canal Stage-II project are already completed under the AIBP component. However, non-structural interventions were not included under the AIBP component and, hence, there is no progress in formation of WUAs and other non-structural interventions. The State government was advised to prepare a DPR for non-structural interventions in respect of Kandi Canal Project and submit the same to CWC for inclusion under CADWM programme of PMKSY. **{Action: Govt. of Punjab; CWC Regional office}**

xvi) **Rajasthan.** There are 2 projects in the State of Rajasthan, namely, "Modernization of Gang Canal Phase-II" and "Narmada Canal project". Both the projects are already included under the CADWM programme. CA amounting to Rs.2.47 crore was released to Gang Canal project during 2017-18. The State Government informed that the CA proposal for 2018-19 for a CCA target of 12.00 th ha requiring budget provision of Rs.30 crore shall be submitted shortly. However, presently State budget allocation is Rs.7.037 crore which shall be enhanced after sanction of funds from NABARD. The State Government was advised to ensure adequate provision in the State budget so that CA corresponding to the physical target planned during 2018-19 could be released. As far as the Narmada project is concerned, the structural CAD works have already been completed under the AIBP component. Non-structural interventions in the project have been included under the CADWM programme during

2017-18. The State Government was advised to submit the CA release proposal for Narmada Canal project at the earliest. It was informed by the State Government that CA proposal shall be submitted after budget allocation to the project by the State Government. **{Action: Govt. of Rajasthan}**

xvii) Telangana. There are 11 projects in Telangana under prioritized list. All projects have been included under CADWM programme. Since the State of Telangana has a substantial target for coverage of CCA and also the release of Central Assistance for CAD intervention in the overall PMKSY scheme, as such, the State Government was requested to plan for larger coverage of CCA in this financial year (i.e 2018-19) and also in the subsequent year. The State representative mentioned that for 2018-19, a budget provision of about Rs.393 Crores has been kept to cover an area of approximately 198 thousand ha., for which Central Assistance to the tune of Rs.250 Cr. will be submitted shortly. The state govt was advised to enhance allocation in the state budget suitably so that the targetted CA of Rs 250 Crores can be released. The State Govt. and the CWC Regional Office were advised to ensure that there is no duplication of booking of works in the CAD and AIBP components. **{Action: Govt. of Telangna, CWC Regional Office}**

xviii) Uttar Pradesh. There are 4 projects in 99 prioritized list, out of which, Bansagar Canal project does not require CAD work. The two projects namely, Saryu Nahar project and Arjun Sahayak project have already been included in the CADWM programme. It was discussed in the meeting that the canal network for AIBP works of Madhya Ganga Canal project has not yet been completed and hence CADWM works cannot be taken up; accordingly, it was decided to withhold Madhya Ganga Canal Project from further discussion. The State representative mentioned that in order to expedite CAD works, physical target to cover about 2.50 lakh ha. of area has been kept for 2018-19 and accordingly, a budget provision of Rs. 870 Cr. has been made. He further mentioned that proposal for release of Central Assistance of about Rs. 431 Cr. will be submitted by State Government by June, 2018. Since several serious issues concerning CADWM implementation have been noted during Saryu Project inspection by Ministry and CWC officials, the State Govt. was advised to take suitable action on the lines of suggestions made in the inspection report. It was also agreed that CWC regional office will carry out close monitoring of project for ensuring appropriate compliance. In respect of the formation of WUAs, the State Govt. was requested to furnish the details of WUAs already formed and the plan for formation of balance WUAs. **{Action: Govt. of UP; CWC Regional office}**

9. Following the State specific review, a brief presentation on the features and status of CADWM-MIS was given by the NIC officials. The methodology for creation of Administrator, Central nodal, State nodal, Project nodal, General user and their domain was explained briefly. Data entry features were explained outlet-wise along with procedure for initiation of CA proposals by State nodals. Tools for generating various reports were also explained. The present URL for MIS of CADWM is <http://164.100.94.70/cadwm-pmksy>; and in order to provide opportunities to the States to practice submission of CA proposals, NIC has also created a demo portal at <http://164.100.94.58/cadwm-pmksy>. It was informed that henceforth all CA proposals would be submitted online in e-mode; however a hard copy duly signed may also be

uploaded for confirmation. The internal processing of CWC, Ministry, and PMU for recommendation, sanction, and release may be done offline, but the same will be followed by on-line work flow ensuring transparent process and long term archival.

Meeting ended with Commissioner, CAD thanking all the participants and with special thanks to Shri S. S .Rathore, CMD, SSNNL and Shri Y. K. Sharma, Member, RM, CWC for their gracious presence.

Annexure-I**List of participants in the 3rd Project Implementation Review Committee (PIRC) for CADWM held on 10-11 May, 2018 at Vadodara, Gujarat**

	Ministry of WR, RD & GR (Shri/Ms)	Designation
1.	Dr. B.R.K. Pillai	Commissioner (CAD)
2.	Vijai Saran	Sr. JC (CAD)
3.	T D Sharma	Director (CAD)
4.	Bhupender Singh	Sr. Joint Commissioner (SPR)
5.	P.K.Rawat	Dy. Director
6.	Vivek Bhushan Fuley	STA, CADWM
7.	NIC, MoWR,RD&GR	
8.	Chirag Bhatia	SA, NIC
9.	India NPIM	
10.	Y. D. Sharma	Secretary
	CWC	
11.	Y.K. Sharma	Member(RM) CWC
12.	S.K. Halder	CE (NBO), Bhopal
13.	A.K. Nayak	CE, LGBO, Patna
14.	N.M. Krishnanunni	CE, CSRO, Coimbatore
15.	Atul Jain	CE, IBO, Chandigarh
16.	Bhopal Singh	CE, UGBO, Lucknow
17.	Shiv Nandan Kumar	CE, MCO, Nagpur
18.	R.K. Jain	CE, Bangalore
19.	Yogesh Paithankar	CE, PMO, New Delhi
20.	Ambarish Nayak	CE,M&ERO, Bhubaneshwar
21.	V D Roy	Director (M&A), Guwahati
22.	Manoj Tiwari	Director (M&A) Raipur
23.	R. Thangamani	Director(M&A), Kochi
24.	Kiran Pramanik	Director (M&A), Bhopal,
25.	Yoki Vijay	Director (M&A), Jammu
26.	Rajeev Singhal	Director (M&A) ,Hyderabad
27.	Y.S.Varshney	Director (M&A), Gandhi Nagar
28.	V.L.Bhaskar	Asst. Director-II, Vadodara
29.	Puneet Kumar Mittal	Director, M&A Dte., Jaipur
	State Governments	
	Andhra Pradesh	
30.	Dr.P.S.Raghavaiah	Spl. Commissioner, CADA,
31.	Shri Venkatacharyulu SK	Joint Secretary
32.	Shri J Bhusan Babu	EE GRP Division-1 Ongole
33.	Shri U Annam Naidu	EE, CADA
	ASSAM	
34.	Shri Brajen Malakar	CMD, CADA, Irrigation

	BIHAR	
35.	Shri Ram Pukar Ranjan	Engineer in Chief CAD
36.	Shri Rakesh Kumar	Superintending Engineer
	CHHATTISGARH	
37.	Shri AK Somawar	Chief Engineer Hasdeo Basin WRD Bilaspur
38.	Shri Kuldeep Tirkey	Superintending Engineer, Kelo Project Circle Kharsia (C.G.)
39.	A.K.Yadu	Executive Engineer, Maniyari, WRD
	ODISHA	
40.	Er Sunil Kumar Naik	CCE, Lower Indra Irrigation Project, Odisha
41.	Er Bijoy Kumar Mohanty	Executive Engineer, WRD, Odisha
	PUNJAB	
42.	Shri Anand Kumar Ojha	Chief Engineer/KAD, WRD, Punjab, Chandigarh.
	RAJASTHAN	
43.	Shri Ashok Kumar Gupta	Executive Engineer, CAD, Jaipur
	TELANGANA	
44.	Shri Anantha Ramlu	Superintending Engineer, I & CAD, Telangana
	UTTAR PRADESH	
45.	Shri SK Verma	Deputy Director, Sharda Sahayak
	JAMMU & KASHMIR	
46.	Mr.Sonaullaha Mir	Director, CAD, Kashmir
47.	Mr.Iqbal Khan	Asstt. Soil Conversation Officer
	JHARKHAND	
48.	Shri Ram Niwas Prasad	Superintending Engineer
49.	Shri Pradeep Narayan Singh	Executive Engineer
	KARNATAKA	
50.	M Shivaswamy	Chief Engineer, Director CADA, Bangalore.
	M.P.	
51.	Shri A. K. Jain	Superintending Engineer CADA Bhopal
52.	Shri Deepak Khatke	Superintending Engineer, CADA, MP.
	MAHARASHTRA	

53.	Mr C A Birajdar	Secretary (CAD), WRD, Maharashtra
	MANIPUR	
54.	Shri Okram Tikendra Singh	Executive Engineer, CADA
55.	Shri P Ramu Singh	Executive Engineer, Deptt. of CAD.
	GOA	
56.	Shri H M Rangaraju	Executive Engineer, WRD, Tillari Irrigation Project, Goa
57.	Shri M K Thilakan	Executive Engineer, WRD, Tillari Irrigation Project, Goa
58.	Shri Arun Naik	Assistant Engineer, WRD, Tillari Irrigation Project, Goa
	GUJARAT	
59.	Shri S.S. Rathore	CMD, SJNNL
60.	Shri M.B. Joshi	GM (Tech.), SSNNL
61.	Shri P.C. Vyas	CE, CADA, SSJNL
62.	Sshri P.K. Dave	GM, SSNNL.

Summary of Decisions of the 3rd PIRC meeting held at Vadodara, Gujarat on 10-11 May, 2018

- i. Focus on non-structural intervention under CADWM and strengthening of WUAs shall be brought by providing handholding support through social facilitators. The agreement being finalized by Govt. of Gujarat with NGOs shall be shared with all for appropriate actions by respective States.
- ii. Suitable changes in CADWM guidelines shall be incorporated to facilitate hiring of social facilitators by State Govts. Requirement for other changes in guidelines, if any, shall be informed by States within a week's time.
- iii. The present guidelines mandate micro-irrigation coverage in at least 10% of the CCA of the project. In exceptional cases, the shortfall in micro-irrigation target from one project may be shifted to (more suitable) another project within the State; and in this manner, some of the lift irrigation schemes can be targeted for 100% micro-irrigation in a cost effective manner benefitting from economies of scale. The modified guidelines shall facilitate above flexibility in implementation of micro-irrigation.
- iv. The modified guidelines shall also address the issue of coverage up to each farm field by combination of pipeline/ lined field channels/ earthen channels; appropriately. Specific suggestions in this regard, if any, shall be informed by states within a week's time.
- v. States were advised to propose physical target of 2018-19 in such a way as to ensure scheduled completion of the projects by December, 2019. Hence proposal for CA release for meeting the physical target of 2018-19 shall be submitted by the State Governments by early June for affecting CA release in the first quarter itself. State Governments shall also keep adequate provision in the State budget so that they are able to meet the physical target set for 2018-19.
- vi. All State Governments were requested to ensure entry of project details and progress data in the CADWM-MIS portal developed by NIC. The proposal for release of CA during 2018-19 shall also be submitted by the State Government using CADWM-MIS portal. In case of requirement of assistance with MIS, the officials of PMU/NIC shall be contacted; and if required PMU/NIC officials shall conduct trainings at premises of State Govts.

- vii. The State Governments were requested to release the infrastructure and the functional grant to registered WUAs wherever CA for this component has been released. They shall also map the release to WUAs on the CADWM-MIS portal for record and reference of the Direct Benefit Transfer.
- viii. As part of continued project monitoring several project inspection visits are being undertaken by the officials of CWC regional offices and the PMU. The actionable comments / observations of the inspection visits shall be mapped by concerned CWC/PMU officials on the CADWM-MIS portal, for appropriate follow-up action by the Project authorities and recording of compliance by State nodal officer on the portal.
- ix. Convergence with the extant 'Per Drop More Crop' Scheme of Ministry of Agriculture & Farmers' Welfare is required to be carried out for farm level development of micro-irrigation wherever micro-irrigation infrastructure is being developed with CADWM funding. State Governments shall submit proposals for cluster level subsidy (central) assistance to MoA&FW with due concurrence of the SLSC. Funds can also be availed by State Governments for meeting any top-up subsidy to farmers through 'Micro-Irrigation Fund' to be operated by NABARD.
- x. Details of completed outlets is required to be progressively shared with MoA&FW so that action for crop planning by respective Agriculture Universities can be initiated by MoA&FW. State Governments shall mark the completion of respective outlets on the CADWM-MIS Portal so that information can be transparently generated and shared with MoA&FW in the form of MIS Report.
- xi. The India NPIM was created by MoWr, RD & GR as part of CADWM vision for promoting PIM activities across the country. All officials associated with CADWM activities at central/state and project levels shall come forward to avail the presently opened life membership window with one time fee of Rs 2000. The increased membership shall suitably be followed up with creation of state specific chapters of India NPIM.