

F.No. 15011/1/2017-CADWM  
Ministry of Jal Shakti  
CADWM Wing

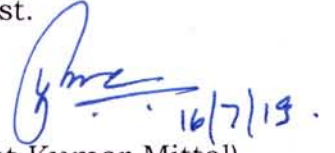
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438 Krishi Bhawan,  
New Delhi.  
Dated: 16 July, 2019.

**Subject:- Minutes of the 5<sup>th</sup> Meeting of the Project Implementation Review Committee (PIRC) FOR CADWM implementation of 99 Prioritised Irrigation Projects Under PMKSY held at Mount Abu on 29th & 30th May 2019.**

The 5<sup>th</sup> Meeting of Project Implementation Review Committee (PIRC) for CADWM Implementation of 99 Prioritized Projects under PMKSY was held at Mount Abu, Rajasthan on 29th & 30th May 2019 under the Chairmanship of Member (WP&P), CWC.

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



(Puneet Kumar Mittal)  
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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, Rajasthan, Telangana and Uttar Pradesh.
2. Member (WP&P), CWC, Sewa Bhawan, R.K. Puram, New Delhi.
3. Chief Engineer, PMO, CWC, Sewa Bhawan, R.K. Puram, New Delhi.
4. All Chief Engineers, CWC of the Region concerned to above States.
5. Commissioner, SPR, Ministry of Jal Shakti, S. S. Bhawan, New Delhi.
6. All participants of the meeting as per Annexure-I.
7. NIC – with a request to upload the minutes on MIS portal

Copy forwarded to:-

1. PPS to Secretary, Ministry of Jal Shakti, S. S. Bhawan, New Delhi.
2. PPS to Chairman, CWC, Sewa Bhawan, R.K. Puram, New Delhi.

## **MINUTES OF THE 5<sup>th</sup> PROJECT IMPLEMENTATION REVIEW COMMITTEE (PIRC) MEETING FOR CADWM IMPLEMENTATION OF 99 PRIORITIZED IRRIGATION PROJECTS UNDER PMKSY HELD AT MOUNT ABU, RAJASTHAN ON 29-30 MAY, 2019**

The 5<sup>th</sup> meeting of the Project Implementation Review Committee (PIRC) for CADWM implementation of 99 prioritized projects, under the Chairmanship of Shri S.K. Haldar, Member (WP&P), CWC was organized at Rajasthan during 29<sup>th</sup> to 30<sup>th</sup> May, 2019. Senior Officers from DoWR, RD & GR, Central Water Commission, State governments and Project Monitoring Unit (PMU), WAPCOS attended the two-day program. The list of participants is at **Annexure-I** and summary record of PIRC decisions and recommendations is given at **Annexure-II**. Photographs taken during the 2 day program are at **Annexure-III**.

2.0 The two-day program included field visit on the first day (29<sup>th</sup> May) for CADWM works executed in the Narmada Canal Project, Sanchore, Rajasthan followed by a Review meeting on 2<sup>nd</sup> day (30<sup>th</sup> May), covering review of CADWM progress and discussion on shortcomings/bottlenecks encountered in project implementation by various states.

### **FIELD VISIT ON 29<sup>th</sup> MAY, 2019**

3.0 The field visit to different components of Narmada Canal Project, Sanchore was arranged on 29<sup>th</sup> May. At the start the PIRC members visited the fully functional Pumping Unit (DDN-9T) on Dudhwasan Minor. Dudhwasan Minor is a first minor of Sanchore Lift Distributary System (Sanchore Lift Distributary is the second distributary of Narmada Main Canal). At DDN-9T there were 2 mono block Pumps of 20 HP. The design discharge was 19.2 Litres per second. The Gross Command Area under the Diggi was 188.41 Ha.

The project authorities explained that the complete project is based on Micro-irrigation. Water from Narmada Canal is lifted into Sanchore Lift Distribution through pumps. Water released in distributary, flows under gravity to minors. Water from minors is subsequently stored in diggies having 4 hours supply storage capacity. Water from diggies is lifted through mono block pumps and supplied to the outlet point through HDPE pipe network. Each outlet point is fitted with butterfly valve and sluice valve. Beyond these valves cultivators bring their own sprinkler system and irrigate their field according to the designed warabandi. The sprinkler system can be regulated as per water requirement depending on season/weather/crop pattern.

4.0 A fully functioning Micro-irrigation System (Sprinkler based) was also shown to the visiting team within the command area.

5.0 The team also visited head 7.88 KM of Narmada Main Canal where 3 nos. distributaries namely Jaisala, Vank and Sanchore lift distributaries were off-taking. Discussions with the farmers were also held regarding various aspect of irrigation and benefits of the project.

6.0 During field visit it was reported by some of the farmers that they are not able to get water as per their demand and they have to depend on local wells to meet their requirement. It was clarified by the executing agency that there are some issues of theft which created this problem and the agency is looking into these issues to address the problem.

(Action: Govt. of Rajasthan)

#### **PROJECT IMPLEMENTATION REVIEW COMMITTEE (PIRC) MEETING ON 30<sup>th</sup> MAY, 2019.**

7.0 The Project Implementation Review Committee meeting was held at Mount Abu under the Chairmanship of Shri S.K. Halder, Member (WP&P), CWC. At the outset, Member (WP&P), CWC welcomed all the participants and conveyed his thanks to Govt. of Rajasthan for facilitating the 5<sup>th</sup> PIRC meeting at Rajasthan. Sh Ashim Markandey, CE -East, CAD, Rajasthan and Sh Girish Lodha, CE, Narmada Canal Project, Govt. of Rajasthan welcomed all the participants and stated that this dynamic initiative of the Ministry has enabled a common platform for taking advantage of the experiences of the various participating states.

8.0 After a brief round of introduction, Dr B.R.K. Pillai, Commissioner (CAD), in his opening remarks pointed out the challenges being faced in the water resources sectors and emphasized that water management is a critical issue which needs to be jointly addressed vigorously through schemes such as PMKSY. He stated that the purpose of these meetings is to review the projects in totality to expedite their progress and to share and discuss the interventions made by participating states for continual improvement. He further added that CWC and State officials should work collectively and look into the solution in order to solve the pending issues, if any, to achieve targeted progress in stipulated time.

(Action : All States, All CWC Regional Offices)

9.0 Dr B.R.K. Pillai, Commissioner (CAD), also stated that CADWM Wing has successfully launched and implemented the CA release process online, starting from the time of submission of application form by the Project Officials till the release of CA by NABARD. **Till last year, the Physical/Financial progress information was filled manually in CA form. From this year onwards, the Physical/Financial progress will be mapped from the MIS directly.** On the flip side, if data are not fully entered/updated in the MIS, the CA application form cannot be submitted successfully. He, therefore, emphasized on the importance of regular updation of MIS. He underlined the importance of CADWM program in bridging the IPC-IPU gap and improving water use efficiency and expressed his desire that state governments give due credence to this matter.

(Action : All States)

Informing that the present Scheme (of 99 prioritized projects) has approval only upto December, 2019 Dr Pillai stated that a revised EFC proposal will be required for continuation of the Scheme. Accordingly, he requested **all regional offices of the CWC to submit their recommendation on continuation/closure of each CADWM project under their control clearly indicating the expected completion by December, 2019, the**

**balance targeted works and the timelines for completion of balance works. CWC officials were requested to send their recommendations in respect of each project by end of June 2019.**

**(Action: All CWC Regional Offices)**

10.0 Chairperson of the 5<sup>th</sup> PIRC, Shri S.K Haldar, Member WP&P, CWC said that PMKSY was launched in 2015-16 with the aim of completion of 99 priority projects by Dec 2019. As of now, 87 projects in balance Culturable Command Area (CCA) of 42.92 lakh ha have been included under Har Khet ko Pani component of PMKSY - CADWM Programme. However, it is observed that hardly 30% work has been completed so far. He also added that progress in implementation of Micro- Irrigation (MI) is also very less. MI has not been initiated in most of the projects. Initially it was thought that money is the main reason for delay but position did not improved much even after providing Central Assistance to the projects included under the scheme. With this pace, it will not be possible to successfully complete the scheme within the targeted timeframe.

He further reiterated that the purpose of this meeting is to identify the bottlenecks and resolve the issues that are holding up the progress of these projects.

11.0 As per the instruction of Shri U.P. Singh, Secretary, Ministry of the then WR, RD & GR during the 4<sup>th</sup> PIRC meeting at Nagpur, it was decided to make presentations in a prescribed Performa to avoid ambiguity and maintain uniformity of data presentation. All the participating States were asked to submit their PPTs in the prescribed format to PMU and PMU, after cross verification and checking, compiled a consolidated presentation. The Consolidated PPT was presented by Sh. Puneet Kumar Mittal, Senior Joint Commissioner of the CADWM wing of the ministry. It was informed that the consolidated progress in CCA, WUA, Total Expenditure and CA release is 30.89%, 51%, 27.01% and 30.02% respectively. Sh. Haldar expressed dissatisfaction with the overall slow progress under the programme. It was also informed by Sh. Puneet Kumar Mittal, Senior Joint Commissioner of the CADWM wing that the figures provided by the states do not tally with the figures entered in MIS. Commissioner intervened and emphasized that these figures should be matched on urgent basis, especially for the states which are going to submit CA forms. Commissioner (CAD) also requested **CWC field officers and PMU officials to verify information presented during the meeting and the verified data should be reflected in MIS within a month's time. The targets of CCA, CA, Expenditure need to be freeze and should not keep on changing. Changes in these figures, if essential, have to be reflected through Revised MoUs.**

**(Action : All States, All CWC Regional Offices, PMU)**

12.0 The State Government officers were requested to make presentations on CADWM activities and the progress achieved of the projects under their jurisdiction. The State-wise details of deliberations held in the meeting are as under:-

- (i) **Andhra Pradesh:** There are 8 projects in Andhra Pradesh under PMKSY. Out of these 8 projects, one project namely Maddigeda has been considered as deemed to be completed, while all other seven projects have been included in the CADWM program. CA of Rs. 69.18 cr has been released for all 7 projects. Till date financial and physical data entry are yet to be reflected in MIS.

Representative of State Govt. of AP stated that CADWM works in Yerracalva project have started. He expressed tendering difficulties in Gundlakamma project. Bidders are not forthcoming and tenders have been called for the 4<sup>th</sup> time with relaxation in eligibility norms. For all the projects, Code of Conduct due to elections was a major cause of delay in works.

CWC representative advised for tendering small packages so that more contracting agencies could be identified that will help in awarding tenders and achieving significant progress within a short span of time.

Commissioner, CAD pointed out the slow progress of CADWM works in this state even after three years of launching of this scheme, while most of these projects are targeted to be completed by June, 2019 in terms of AIBP components and maximum area is available for CAD works. Commissioner (CAD) stated that there is long way to go for AP in terms of CADWM progress including creation of WUAs.

In respect to the queries on the targets of completion, the State officials came up with the view that DPRs on phases of construction (like survey, OFD works etc) will be taken up and submitted to CWC/Ministry before the tendering process. Commissioner CAD pointed out that **CADWM DPR of each project has already been appraised by CWC and accepted by Ministry before inclusion of project under the CADWM programme.** He further said that **document being referred by State at this stage is essentially report of "Detailed Construction Planning" and should not be called DPR in order to avoid further confusion on the issue.** Commissioner CAD, advised state officials that **the State govt need not submit further DPRs, but to proceed with the construction planning and tendering process simultaneously with further execution of works to meet the targeted completion of the projects** by December 2020. Status of the tendering process will be shared by State with Dept. of WR, RD & GR (DoWR,RD&GR), Jal Shakti by the end of June, 2019.

Expressing total disappointment with the performance of Andhra Pradesh, Chairperson said that a separate State Level review will be taken by CWC shortly.

**(Action: Govt. of Andhra Pradesh, CWC, Hyderabad)**

- (ii) **Assam:** There are 3 projects in the state of Assam namely, Dhansiri, Champamati and Borolia. All three projects are already included under CADWM Program of PMKSY.

Central Assistance amounting to Rs. 3.55 cr was released during FY 2018-19 in respect of Champamati project. The project has been included for a CCA of 6587 ha with an estimated cost of Rs. 27.23 cr. The project representative informed that works under open canal, Micro Irrigation & Correction of System Deficiency has been started and 80% works have been completed and project will be completed by March,2020. Out of total 40 nos, 25 WUAs have been formed. 15 WUAs are yet to be created. However, financial and physical data entries are yet to be reflected in the MIS.

Dhansiri project has been included for a CCA of 34183 ha with an estimated cost of Rs. 151.99 cr. The MI coverage is stated to be 50% of the balance CCA. The project authorities intimated that tender has been floated and the project will be completed by Dec., 2020. Out of total target of 50 WUAs, 44 WUAs have been registered and 6 WUAs are yet to be formed. CE B&BBO, CWC mentioned that one of the bottlenecks is the non- release of State share to the project Authorities and the inability to avail State share loan. Depending on the interest of the State govt, CWC field office was requested to facilitate in consultation with Ministry of Jal shakti in the procedural matters concerning availing of loan from NABARD. CWC was also advised to submit draft material for letter to Chief Secretary from the Ministry.

Borolia project has been included for a CCA of 8977 ha for structural interventions with an estimated cost of Rs. 36.2318 cr. State representative informed that project will be completed by December, 2020. However, execution of the works is yet to be started. On the issue of state share financing through loan, CWC field office was requested to facilitate in the procedural matters concerning availing of NABARD loan.

Regarding difficulties of entry of data on MIS, the project Authorities were advised that they can either invite PMU directly to the State for training or they can approach CWC Guwahati for such arrangement.

**(Action: Govt. of Assam, CWC Shillong)**

- (iii) **Bihar:** There are 2 projects, namely, Durgawati and Punpun under 99 prioritized projects. Presently only Durgawati project is included under CADWM program. State govt. officials stated that Punpun can be dropped from CADWM programme as the land acquisition issue on the main canal itself (AIBP component) is unlikely to be resolved soon.

For Durgawati project, Rs. 35.82 cr. has been released as CA during the last three years. The state representative stated that out of 32,240 ha, a cumulative total of 13,700 ha (1960 ha before 1.4.2016 and 11,700 ha under 99 Prioritized Projects) has been completed so far, and rest is in progress. Project representative intimated that Durgawati project is scheduled for completion by June, 2020.

Commissioner CAD stated that **WUA registration, release of grants and handing over should also be mapped on the MIS. If needed, MIS can be amended to accommodate varied requirement of any State.**

On the issue of functional grants, State officials stated that project Authorities are unable to release the same on account of non-contribution of farmers/WUAs` share. It was suggested by State that Government's share of functional grant be given upfront and WUAs be permitted to deposit their shares within a year's time. **The difficulty in collection of farmers' share in absence of a fully functional and empowered WUA was underlined by all the States. After detailed deliberation on the issue of release of functional grants to WUAs, the Committee decided that out of total government's share of Rs.1080 per hectare, Rs.800 per ha be released upfront to the registered WUA, and the balance Government share be released after farmers have contributed their share of Rs.120 per ha.**

The representative also stated that MI is being implemented in about 200 Ha . The cost of MI infrastructure is about Rs. 1 lakh per ha against the provision of 50,000 per ha under CADWM and requested for increased rate of funding as well as reduction in GST rate. Commissioner CAD, informed that these are matters of policy which cannot be decided at PIRC level and suggested that funding may also be availed from PDMC of MoA &FW by way of convergence.

State representative said that 30% of CADWM is completed and remaining 70% will be carried out by Dec 2020. Main bottle neck is Land Acquisition in the distributary system which is yet to be resolved.

Officers from PMU, WAPCOS informed that Physical and Financial progress is yet to be mapped in MIS; State representative agreed to do the same within a month's time.

**(Action: Govt. of Bihar)**

- (iv) **Chhattisgarh:** There are three projects in the State and all three have been included under CADWM program. CA of Rs. 21.71 cr has been released in total for these projects. The delay in implementation was attributed to delay in approval of tenders owing to cost related issue of UGPL. The State representative also informed that Revised SOR covering UGPL has now been approved and hence tenders for all three projects will be awarded by end of July, 2019. Project Authorities committed that the project would be completed by Dec, 2020. Project officials were advised to complete the process of WUA registration and expedite their capacity building. CWC was asked to monitor the promised actions, and also to submit draft material for a letter to Chief Secretary from the Ministry.

**(Action: Govt. of Chhattisgarh, CWC Regional Office)**

- (v) **Gujarat:** There is only one CADWM project under PMKSY in the State, namely, Sardar Sarovar CAD Project. As reported by State Government, out of total area of 17.92 lakh ha, CAD works have been completed in an area of 15.54 lakh ha. CA amounting to Rs.681.644 crore, Rs.690.47 crore & Rs. 347.04 crore has been released to the project during 2016-17, 2017-18 and 2018-19 respectively. Project officials informed that out of total 4466 WUAs to be constituted for the entire CCA, so far 2894 WUAs have been constituted and 2626 have been registered. The irrigation system has been handed over to 1167 WUAs. Regional Director, CWC informed that though WUAs has got registered

but no funds has been transferred to them. SSNNL conveyed that due to modalities in transfer of funds they are facing certain problems which will be resolved soon. It was suggested that capacity building of WUA should be emphasized and grants should be given to WUAs without any delays. CWC was asked to submit draft material for a letter to Chief Secretary from Ministry highlighting the issue.

It was informed by PMU that data entry for Micro-irrigation is yet to be done in the MIS. Project officials were advised to update the entries in the MIS portal for MI coverage within Project command irrespective of source of funding.

The figures of balance CCA given by the State in MIS/release proposals/ PPTs etc are not consistent. Commissioner CAD stated that the State officials and PMU should reconcile the target CCA of the project, and advised to submit revised MoU for balance CCA in case of change in scope arises.

Sh. D.S. Chaskar, Director M&A, CWC, Gandhi Nagar informed that it is learnt that Project Authorities are in the process of submitting proposal for extension of time period for AIBP work and this will result into delaying CADWM works also. It was also informed by him that approximately Rs. 109 crore is lying unspent at the end of 2018-19. State was asked to expedite utilization of last year's CA and also submit revised MoU with updated completion target with the next CA proposal.

**(Action: Govt. of Gujarat/CWC Ahmedabad)**

- (vi) **Goa:** There is only one CADWM project in the State of Goa, namely, Tillari. It was informed by the state Govt that no CA has been availed so far under CADWM-Prioritized Project program. CA release proposal has been recently submitted to CWC Regional Office, which was confirmed by CWC representative. Out of total CCA of 14521 ha, CAD works have been completed in 5850 ha prior to 1.4.2016. The State Government informed that while total of 150 WUAs have been planned to be constituted, 42 WUAs have been constituted till date. 5 WUAs have taken over the CAD management. Action for other is in process. Out of total Irrigable command area of 14521 ha, command covered under micro distribution network with UGPL is 1689ha (11.60%)

CE ,Goa informed that semi circular concrete pipes , unique to the state are adopted to negotiate undulating terrain and also prevent seepage loses in porous soil of the State entailing higher cost of construction of channels. It was suggested that the State may also explore, depending on cost and viability ,the option of using geo membranes lining and higher use of UGPL.

State representative was advised to update MIS and fill CA release form online only and if needed, help could be taken from PMU. CWC Regional Office was asked to expedite their recommendation of CA proposal.

**(Action: Govt. of Goa/CWC Bengaluru)**

- (vii) **Jammu & Kashmir:** There are 4 projects in the State of J&K 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, Parkachik Khwas, Rajpora LIS and Tral LIS have been included under CADWM program of PMKSY.

The Parkachik Khwas project is targeted to be completed by Dec, 2019. State Govt informed that the Command Area Development works are carried out by beneficiaries themselves as it is beneficiary oriented program with DBT mode of payment of assistance. Out of 6, only 2 WUAs have been formed till date. However, mobilization of formation of WUAs is underway and registration process initiated.

Rajpora has 585 ha of CCA including 58 ha of Micro irrigation under CADWM. 563 ha has already been developed. Both Rajpora and Tral projects are targeted to be completed by Dec, 2019 and till date 2 WUAs have been constituted in both the projects and their registration is under process. Commissioner CAD, asked the project authorities to complete the projects by Dec., 2019 as the targets are very small.

CWC representative informed that payment schedule by NABARD in the later part of the financial year is not suited well with the working season in the state. State Share/LTIF which was applied in July, 2018 was released in March, 2019 thereby delaying the works. Central Assistance issued to the State is yet to be released to the project. State representatives wanted to know if 100% CA can be released by Government of India. Commissioner CAD clarified that **for the works already completed 100% reimbursement of CA can be made in one go; but for advance CA, only 60% will be released as first installment.**

It was informed by the project authorities that election of WUAs as per the guidelines is getting difficult and possibilities of forming WUAs by Society Act need to be permitted. Committee made it clear that **WUAs can be formed under Societies Registration Act, and guidelines do not constraint this aspect.**

**(Action: Govt. of Jammu & Kashmir)**

- (viii) **Jharkhand:** There is only one project in the State, namely, Subarnarekha under the 99 prioritized projects under PMKSY. It was decided that being a large project where much of the AIBP potential is yet to be developed, the DPRs for CADWM may be prepared in phase manner and the CADWM activities may be taken up for the portions where AIBP components are nearing completion.

The total CCA of Subarnarekha is 1.5 lakh ha. Chandil has been included for 66645 ha and DPR of Galudih( Kalondi) for CCA of 8074 ha is under preparation . CCA for taking up CADWM works totals to 74000 ha approximately. The remaining CCA comes under Ichha dam . The structural component of AIBP (headworks and main canal etc) is yet to be constructed and hence, realistic target of Subarnarekha project (balance CCA) can be considered as 74000 ha only.

It was also informed by the State representative that the case for release of Central Assistance in respect of CLMC will be submitted shortly. Out of total 60 nos. of packages, work for 1 package has already been awarded and in 2 packages award

process is in place and for 30 packages for which DPRs are ready, tenders are yet to be floated. The state is targeting completion by December 2020.

It was informed by the PMU that in MIS, Physical/Financial/WUA Targets are yet to be entered. Project Authority was asked to send the Schedule for MIS Training as the same was deferred by State on account of Election. State was also asked to expedite the submission of CA proposal through CWC.

**(Action: Govt. of Jharkhand; CWC Patna)**

**(ix) Karnataka:** There are five projects in the state under this scheme. All five projects have already been included under CADWM program.

It was informed by the State Govt that in Rameshwar project, field channels in a CCA of 8870 ha have been constructed out of total targeted CCA of 11417 ha. There is change in land use under project, and CAD works now can be executed only in CCA of 487 ha. Out of 22 WUA, 16 WUAs have been formed. State government may speed up the work for early completion in all aspects including handing over to WUAs in about 3-4 months. State was asked to declare completion of project under CADWM after completing works in balance 487 ha by end of July, 2019.

In Upper Tunga field channels in a CCA of 9234 ha have been constructed out of total targeted CCA of 25450 ha. The major bottleneck was delay in AIBP works mainly the railway crossing in the distributary canal and issue of land acquisition due to pendency of compensation related to other part of the project. The MI component has already been dropped and hence a revised MOU need to be submitted. The project is likely to be completed by Dec, 2020.

In Bhima LIS field channels in a CCA of 11520 ha have been constructed out of total targeted CCA of 12898 ha and 100% IPC have been created. There is an overlapping CCA of 1375 with Minor Irrigation Project which has been completed, hence, 100% Structural component of CADWM has been completed. Non structural component is targeted for completion by December 2019. It was suggested that State may declare completion of project as far as CCA coverage is concerned.

In Karanja, field channels in a CCA of 1305 ha have been constructed out of total targeted CCA of 5588 ha and target for completion is Dec, 2020. The delay is due to hydraulic connectivity issue like railway and aqueduct crossing in AIBP related works. CADWM works are targeted for completion by Dec., 2020.

NLBC-ERM was included in May 2018 for a total cost of Rs 750 cr( CS of 62.17 cr and SS of 687.83 cr). It was informed that State CADA has taken up CADWM works with budgetary support of KBJ Nigam Ltd. But Nigam has not released to CADA for payment to contractors and hence further works have not been taken up. Issue of Correction of System Deficiency was also raised by State. Commissioner CAD stated that a decision in this regard has already been taken in the previous PIRC meeting, and CWC Regional Office should do the needful for taking up ERM works under AIBP. CWC field office was requested to intervene and facilitate for furthering the

works of CADWM. The central assistance proposal needs to be submitted at the earliest along with MOU.

**(Action: Govt. of Karnataka/CWC Bengaluru)**

- (x) **Kerala:** There are two projects namely Muvattapuzha and Karapuzha, out of which Muvattapuzha has already been included under CADWM Program. Regarding Karapuzha, it was informed in the last meeting 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 drop Karapuzha project from CADWM program.

Progress of CAD works in respect of Muvattapuzha project was noted as very slow. The CA release proposal for FY2019-20 was submitted to the Regional Office of CWC and the observation raised by the CWC is under compliance. CWC representative pointed out that the State budget is insignificant against the target set for project.

It was informed by the State Govt that cost per hectare in Muvattapuzha project is very high around 50000/ha. Commissioner CAD stated that **CADWM implementation is to be done as per guidelines, which are common for all States. However, since unit cost of works may vary from State to State, the penetration of lined field channels are likely to be different with fixed CADWM cost norms.** He advised **States to take up remaining field channels work with additional State Share or through convergence with MGNREGA as decided in the 4<sup>th</sup> PIRC meeting.**

The State officials also shared their difficulties in executing the works due to transfer of officials after closure of CADA. CWC field office was requested to take up the issue with the State administration along with issue of insufficient budgeting and facilitate expediting of CADWM works.

It was informed by the PMU that in MIS, registration details of WUAs have not been entered; same was noted for compliance by State/CWC.

**(Action: Govt. of Kerala; CWC Coimbatore)**

- (xi) **Madhya Pradesh:** There are fourteen prioritized projects in the State of Madhya Pradesh and all of them have been included under CADWM program. The CADWM works are being executed by two departments namely WRD and NVDA. It was pointed out that infrastructural and functional grant have not been released by the State Govt. The State officials from WRD informed that there are 236 functional WUAs but bank accounts have not been opened due to the requirements of PAN Nos. and apprehensions of consequent income tax issues. The State was advised to complete the formalities as per Govt. regulations and functional and infrastructural grants should be released to the WUAs at the earliest.

It was also pointed out that the Project Authorities had availed fund for Micro irrigation infrastructure but they have not reported any progress. The State officials

informed that MI is being implemented in other projects. Commissioner (CAD) stated that **shifting of Micro Irrigation (MI) can be considered only to other projects included and funded under CADWM. State Governments should implement MI as targeted for CADWM program as per CA proposal, and not shift the targets on their own.**

Commissioner CAD informed that the reimbursement of the last year expenditure could be considered only on the submission of audit certificate.

All the projects under WRD are targeted to be completed by Dec, 2020. In regard to the slow progress in NVDA projects, officials indicated change in scope of CADWM works. Commissioner CAD asked CWC to suggest foreclosing of NVDA projects which are not progressing and will not be completing as per stipulated timeframe under PMKSY and sign revised MoUs for balance areas. It was informed by the PMU that in MIS, registration details of WUAs have not been entered. There is mismatch in physical and financial progress and similarly there is mismatch in Outlet-wise and Package-wise entry also. Project officials were asked to update the MIS urgently.

**(Action: Govt. of Madhya Pradesh/CWC Bhopal)**

- (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. CA amounting to Rs.15.17 crore, Rs.32.8 crore & Rs. 25.79 crore have been released during 2016-17, 2017-18 & 2018-19 respectively against physical progress of 30.997 th. ha reported by States. State Official informed that 11 projects are likely to be completed by March, 2020 and 9 projects could be completed by Dec, 2020.

It was also informed by CWC representative that four projects are having progress ranging from 10% to 20% but the work is in progress and would be completed by Dec, 2020. Further he commented that two projects namely Arjuna & Morna have no hydraulic connectivity and have R&R related issues also. Therefore, these projects may spill over beyond Dec, 2020. For Project Aruna, the families under R&R issues are yet to be shifted. The project cannot be completed by Dec, 2020. For Lower Pedhi, recently tendering process has been finished and probably can be completed by Dec, 2020.

As per the PMU reporting, there is mismatch between the progress reported in the PIRC and in MIS. State officials along with CWC officials were asked to reconcile the figures with PMU, including aspects of Micro Irrigation and WUAs, within a month's time.

**(Action Govt. of Maharashtra; CWC Nagpur)**

- (xiii) **Manipur:** There are 2 projects in the State of Manipur, namely, Thoubal and Dolaithabi. During 2015-16, CA amounting to Rs.13.98 crore was released to Thoubal and Rs.4.46 crore to Dolaithabi project. The CA released during 2015-16 was partly

utilized in 2017-18, but due to minimum budget provision during 2018-19, no progress could be achieved. On this State Government officials informed that they did not receive the matching state share owing to the absence of budget allocation.

The State Govt. officials informed that the process for availing loan from NABARD for State Share is under progress and is likely to be finalized by the end of June, 2019. Commissioner, CAD suggested starting the paper works, prior to signing of Mandate, for availing /State share from LTIF so that further delay can be avoided. He requested CWC Regional Office to provide the necessary support.

State Government further intimated that 21 numbers of WUAs and 13 numbers of WUAs has been constituted in Thoubal and Dolaitabi project respectively. Process of registration of WUAs under Societies' Registration Act has been initiated.

It was informed by the PMU that MIS needs to be updated. If required, Training can be provided.

**(Action: Govt. of Manipur; CWC Shillong)**

- (xiv) **Odisha:** In Odisha, there are 8 prioritized projects and all are included under CADWM. The State representative mentioned that Upper Indra project, RET and Rukura projects have been completed. However, it was intimated that it is not possible to complete the Anandpur Barr. and Kanupur by Dec, 2020, because of land acquisition and shift to UGPN in case of Anandpur, and issue of pebble layer in Kanupur dam.

In Subarnarekha hydraulic connectivity has not been established as the forest clearance was not given for the head works and also the main canal of about 38 Kms. The State Govt. officials further informed that Lower Indira and Telangiri are targeted for completion by Dec., 2019.

The formation of WUAs in respect to Lower Indira is assigned to the contractors and in respect of Telangiri to WALMI. In respect of Anandpur project, DPR for UGPL has been completed and tendering will be completed by the end of Sept., 2019 and the project will be completed by Dec., 2020. WUAs formation in Anandpur has been assigned to WALMI. State was advised to expedite WUA formation so that works of UGPL can be guided by them.

The State was advised to release functional grants to the WUAs in Upper Indirawati, Ret and Rukura at the earliest and also hand over the assets to WUAs so that full completion can be notified. As regards the formation of other WUAs, the State Govt. was requested to expedite the formation of other WUAs. Out of 545 WUAs proposed, only 112 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.

Against the total expenditure target of Rs1265.2 cr, the State has spent only 268.9 cr. It was advised to expedite the progress. State representative informed that out of total 8 packages in Telengiri project, works in 3 packages (3000 ha) are in progress, tenders for 2 packages (3500 ha) are in finalization stage and balance 3 packages are yet to be taken up. It was informed by the PMU that in MIS, WUA registration details are yet to be entered.

**(Action: Govt. of Odisha; CWC Bhubaneshwar)**

- (xv) **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 included under the CADWM program. CA amounting to Rs.2.47 crore and Rs.7.43 crore was released during 2017-18 and 2018-19 respectively to Gang Canal Project Ph-II.

The state government representatives informed that out of 44815 ha, 9000 ha of area of Gang Canal Phase-II cannot be executed and, hence, permission is requested for shifting the target to adjoining area. Commissioner CAD pointed out that the matter had already come for discussion earlier, and State is required to submit the proposal to CWC for a decision by them. Further, the project officials also expressed their inability to execute MI in 4482 ha and wanted to revert back to conventional system. It was decided in the meeting that CWC would look into the matter and give its recommendations. Project will be completed by Dec, 2020.

For Narmada Project which has been included only for Non-Structural components, no Budget provision has been kept by the State. It was informed that CA proposal shall be submitted after budget allocation to the project by the State Government. State was asked to expedite the process of financial empowerment of WUAs through early release of grants, failing which the WUA may become non-functional over a short time. It was informed by the PMU that in the MIS, WUA Registration details are not entered for both the projects; same was noted for compliance by State/ CWC.

Commissioner CAD advised all States to carefully work with WUAs for creation of trust and confidence. Any measures (even if desirable) which may create cut-off or mistrust with WUAs should be avoided. On a question concerning continuation of maintenance grants to the WUAs, Commissioner CAD was of the view that **once the assets have been handed over to the financially empowered WUAs, the maintenance of assets should be done by WUAs on their own.** Representative of India NPIM was of the view that **for full financial empowerment of WUAs, the WUAs should retain a certain portion of water tariff collected by them, instead of following the current practice of getting a refund from Government.** The Committee agreed with this view and requested all States to follow the advice.

**(Action: Govt. of Rajasthan; YBO, CWC, New Delhi)**

- (xvi) **Telangana:** There are 11 projects in Telangana under prioritized list. All projects have been included under CADWM program. The State representative informed that the CA of 9 projects has been released so far for Rs. 36.34 Cr. Project officials gave target

date of completion as Dec, 2020. However, works are yet to be started in all these projects, hence, Committee noted it as an ambitious target.

In respect of J. Chokha Rao, LIS, the State Govt. officials informed that Administrative approval is under process and is expected at the end of June, 2019. Tendering process will be completed by Sept., 2019 and work will be executed by Dec., 2020. Commissioner (CAD) pointed out that issue of Administrative approval has already been taken up with Chief Secretary of the State during his visit to the State in March, 2019. CWC field office was requested to submit draft material for a letter to Chief Secretary from the Ministry.

**(Action: Govt. of Telangna/CWC Hyderabad)**

(xvii) **Uttar Pradesh:** There are 4 projects in 99 prioritized list, out of which, Bansagar Canal project does not require CAD work. Madhya Ganga is yet to be included. DPR of Madhya Ganga Phase-I for CADWM works is being prepared. The two projects namely, Saryu Nahar Project and Arjun Sahayak Project have been included in the CADWM program. It was informed by CWC representative that no CAD works are proposed to be undertaken so far in Arjun Sahayak project because of lack of hydraulic connectivity. It was also informed that about 3 lakh ha of Saryu Nahar command, to be executed by Irrigation Department, is yet to be included. He also said that State should consider inclusion of non-structural component of Bansagar, for which separate DPR can be submitted by State.

It was informed by the State Govt that prior to the implementation of this scheme, the CAD works were done by the departmental officers and employees. Now a part of OFD works will be executed through e-tendering & through the contractors of Class A and B of the Irrigation Department in mission mode for the timely completion of works. Executed works will be monitored by the Departmental Officers and employees. It was intimated that since there was lack of budget provision in the financial year 2017-18 and 2018-19, target date is shifted to 2021-22. Proposal of Budget provision (FY 2019-20) of Rs. 620.00 Cr. is submitted to State Govt through Cabinet.

**(Action: Govt. of UP)**

13.0 Commissioner CAD said that the decisions taken in PIRC should be complied with by all the States/CWC offices. The previous decisions have been consolidated and appended with the CADWM guidelines given to all participants.

Commissioner, CAD thanked all the participants and gave special thanks to the State of Rajasthan for making all the necessary arrangement for the meeting.

The Meeting ended with a vote of thanks to the Chair.

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**List of Participates in the 5<sup>th</sup> PIRC Meeting at Mount Abu on 30<sup>th</sup> May 2019 Attendance Sheet**

<b>Sl.</b>	<b>Name (Shri/Mr.)</b>	<b>Designation</b>
1.	Sh. S.K.Haldar	Member (WP&P) and Chairman (PIRC)
<b>DoWR, RD &amp; GR</b>		
2.	Dr. B. R. K. Pillai	Commissioner (CAD)
3.	Sh. Puneet Kumar Mittal	Sr. Joint Commissioner, CAD
4.	Sh. Reading Shimray	Director (CAD)
5.	Sh. Saurabh Kumar	Deputy Secretary (CAD)
6.	Sh. P.K. Rawat	Deputy Director (CAD)
7.	Sh. Mohit Kumar	Deputy Director (CAD-I)
8.	Sh. Vivek Fuley	STA
9.	Sh. Chirag Bhatia	NIC ( MIS Expert )
<b>INDIA NPIM</b>		
10.	Sh. Phanish Sinha	President India (NPIM) New Delhi
<b>PMU</b>		
11.	Smt. W. Dineshwori Devi	Team Leader ( PMU PMKSY )
12.	Smt. Poonam Batra	MIS Expert
13.	Sh. Chirag Agarwal	Deputy Manager ( Finance )
14.	Sh. Shiv Shankar Prasad	Water Resource Engineer
<b>Central Water Commission</b>		
15.	Dr. Samir Chatterajee	Chief Engineer (PMO)
16.	Sh. Ambarish Nayak	Chief Engineer, MERO, CWC, Bhubaneswar
17.	Sh. Krishnanunni N.M	Chief Engineer, CSRO, CWC, Coimbatore
18.	Sh. M.P. Singh	Chief Engineer, MTBO, CWC, Gandhinagar
19.	Sh. Bhopal Singh	Chief Engineer, UGBO, Lucknow
20.	Sh. Sushil Kumar	Chief Engineer, (Mon-S), CWC, Bengaluru
21.	Sh P.M. Scott	Chief Engineer, Shillong
22.	Sh. D.K. Tiwari	Chief Engineer, MCO Nagpur
23.	Sh. Aditya Sharma	Chief Engineer, NBO, Bhopal
24.	Sh. Shashi Rakesh	Superintending Engineer, LGBO, CWC, Patna
25.	Sh. G.L. Bansal	Director M&A CWC Agra
26.	Sh. D.S. Chaskar	Director (Monitoring), MTBO, CWC Gandhinagar
27.	Sh. N.V. Satish Seemakurti	Director (Monitoring), CWC Bangalore
28.	Sh. Shiva Prakash	Director (M&A), CWC, Lucknow
29.	Sh. Yoki Vijay	Director (M&A) , CWC, Jammu
30.	Sh. Kiran Pramanik	Director (M&A),CWC, Bhopal
31.	Sh. M.W. Paunikar	Director (M&A), CWC, Bhopal
32.	Sh. Monoj Tiwari	Director (M&A), CWC, Bhopal
33.	Sh. Anil Kumar Arya	Deputy Director (AE), M&A, CWC, Patna
34.	Sh. Vivek Kumar Singh	Dy Director, (M&A) Jaipur
35.	Sh. D. Ganesh Kumar	Deputy Director (M&A), Andhra Pradesh



		Hyderabad, CWC
36.	Sh. A Raghvendra	Assistant Director M & A Telangana
<b>Andhra Pradesh</b>		
37.	Sh. B. Sudhakara Babu	Chief Engineer & DWRO
38.	Sh. L.V. Ramana Murty	Superintending Engineer, CADA, Vijaywada
39.	Sh. U. Annam Naidu	Executive Engineer, CADA Vijaywada
40.	Sh. G. Srinivasulu Reddy	Executive Engineer
41.	Sh. Munner Basha	Executive Engineer
42.	Sh. Y. Guru Prashad	Executive Engineer
<b>Assam</b>		
43.	Sh. Sayed Nur Rahman	CHD (SE), Irrigation BTC, Kokrajhar
44.	Sh. Tapan Kumar Saikia	Executive Engineer, Borolia Irrigation Project Tamulpur Baksa
45.	Sh. M. Deka	Executive Engineer
46.	Sh. H.K.Mili	DD
47.	Sh. K. goswami	AEE
48.	Sh. K.C Nath	AEE
<b>Bihar</b>		
49.	Sh. Ram Pukar Ranjan	Engineer-in-Chief, CAD, Patna
50.	Sh. Rakesh Kumar	Superintending Engineer, CAD Patna
51.	Sh. Monoj Kumar	Dy. Secretary, CAD, Patna
<b>Chhattisgarh</b>		
52.	Sh. A.K. Somawar	Chief Engineer
53.	Sh. K.S. Guruwar	Chief Engineer
<b>Goa</b>		
54.	Sh. ST. Nandkarni	Chief Engineer, WRD Goa
55.	Sh. S.d.Patil	Superintending Engineer, Circle-II, Goa
56.	Sh. M.K. Prasad	Executive Engineer, Goa
57.	Sh. Niranjana Pednekar	TA, WRD, Goa
<b>Gujarat</b>		
58.	Sh. S.C. Sagitala	GM (PIM) & SE Design, SSNNL Gandhinagar
59.	Sh. Tushar S. Shah	Chief Engineer, SSNNL, Gandhinagar
<b>J &amp; K</b>		
60.	Sh. Mohammad Harun	Director, CAD, Kashmir
61.	Sh. Mohammad Iqbal Khan	ASCO
<b>Jharkhand</b>		
62.	Sh. Gopal Jee	Superintending Engineer, Government of Jharkhand, Jamshedpur
<b>Karnataka</b>		
63.	Sh. B.R. Anil Kumar	Director (CE) CAD Bengaluru
64.	Sh. A.K. Ashoka	Joint Director, CAD, Bengaluru

<b>Kerala</b>		
65.	Sh. Shaji. B	SE , Project Circle, Karan Kerala
66.	Smt. Sherly Sebastain	Executive Engineer
<b>Madhya Pradesh</b>		
67.	Sh. Deepak Khatke	Superintending Engineer, NVDA, Bhopal
68.	Sh. Harsh Saxena	Superintending Engineer, Bhopal
<b>Maharashtra</b>		
69.	Sh. R.K. Dhawale	Superintending Engineer, Govt. of Maharashtra
70.	Sh. P.R. Narvekar	Superintending Engineer, Ambadi, Bandra
<b>Manipur</b>		
71.	Sh.Lokendra Singh	Executive Engineer, CAD
72.	Sh. Suresh Singh Ningombam	ACE, CAD, Imphal
<b>Odisha</b>		
73.	Sh.Dhiren Kumar Samal	Chief Engineer (M&E) Water Resources, Odisha
74.	Sh. Bijoy, Kumar Mohanty	Assistant to Engineer-in-Chief (WR) Water Resources, Odisha
<b>Punjab</b>		
75.	Sh. Varinder Kumar Goyal	Superintending Engineer, Govt. of Punjab
<b>Rajasthan</b>		
76.	Sh. Naveen Mahajan IAS	Secretary,WRD, Jaipur
77.	Dr. Raviner Goswami	S.D.M., Mount Abu
78.	Sh. Ashim Markandey	Chief Engineer, CAD (East), Jaipur
79.	Sh. Girish Lodha	Chief Engineer, NCP, Sanchore
80.	Sh. Vinod Choudhary	Chief Engineer, Bikaner IGNP
81.	Sh. Kheenv Raj	Superintending Engineer, NCP, Sanchore
82.	Sh. Sunil Kataria	Superintending Engineer, O/o CE IGNP Bikaner
83.	Sh. Manish Parihar	Superintending Engineer WRD Rajasthan
84.	Sh. Naven Mathur	Executive Engineer, NCP Rajasthan
85.	Sh. Prakash Chandra	Executive Engineer,WRD, Rajasthan
86.	Sh. K.M. Jaiswal	Er.WA & BM IDR Jaipur
87.	Sh. J.P. Mathur	Executive Engineer, NCP, Rajasthan
88.	Navneet Kumar Jain	Executive Engineer (D&M), CE (West), CAD, Bikaner
<b>Telangana</b>		
89.	Sh. Anantha Ramulu	Superintending Engineer, CADA Irrigation & CAD Deptt., Hyderabad
<b>Uttar Pradesh</b>		
90.	Sh. Rajesh Sukla	Executive Engineer (Walmi) Lucknow
91.	Sh. Rishabh Gupta	SCO WRD
92.	Sh. Devendra Shukla	SCO WRD

**Summary of Key Decisions/ Clarifications of the 5th PIRC meeting held at Mount Abu, Rajasthan on 29-30 May, 2019**

- i) Till 2018-19, the Physical/Financial progress information was filled manually in Central Assistance (CA) form. From 2019-20 onwards, the Physical/Financial progress will be mapped from the MIS directly.
- ii) CWC regional office to submit their recommendation on continuation/closure of each CADWM project under their control clearly indicating the expected completion by December, 2019, the balance targeted works and the timelines for completion of balance works by end of June 2019. CWC's recommendations in respect of each project to be submitted by end of June 2019.
- iii) CWC field officers and PMU officials to verify information presented during PIRC meeting and the verified data should be reflected in MIS within a month's time. The targets of CCA, CA, Expenditure need to be freeze and should not keep on changing. Changes in these figures, if essential, have to be reflected through Revised MoUs.
- iv) CADWM DPR of each project has already been appraised by CWC and accepted by Ministry before inclusion of project under the CADWM programme. Document being referred by State at this stage is essentially report of "Detailed Construction Planning" and should not be called DPR in order to avoid further confusion on the issue. State govt need not submit further DPRs, but to proceed with the construction planning and tendering process simultaneously with further execution of works to meet the targeted completion of the projects.
- v) WUA registration, release of grants and handing over should also be mapped on the MIS. If needed, MIS can be amended to accommodate varied requirement of any State.
- vi) The difficulty in collection of farmers' share in absence of a fully functional and empowered WUA was underlined by all the States. After detailed deliberation on the issue of release of functional grants to WUAs, the Committee decided that out of total government's share of Rs.1080 per hectare, Rs.800 per ha be released upfront to the registered WUA, and the balance Government share be released after farmers have contributed their share of Rs.120 per ha.
- vii) For the works already completed 100% reimbursement of CA can be made in one go; but for advance CA, only 60% will be released as first installment.

- viii) WUAs can be formed under Societies Registration Act, and (CADWM) guidelines do not constraint this aspect.
- ix) CADWM implementation is to be done as per guidelines, which are common for all States. However, since unit cost of works may vary from State to State, the penetration of lined field channels are likely to be different with fixed CADWM cost norms. States to take up remaining field channels work with additional State Share or through convergence with MGNREGA as decided in the 4th PIRC meeting.
- x) Shifting of Micro Irrigation (MI) can be considered only to other projects included and funded under CADWM. State Governments should implement MI as targeted for CADWM program as per CA proposal, and not shift the targets on their own.
- xi) States to carefully work with WUAs for creation of trust and confidence. Any measures (even if desirable) which may create cut-off or mistrust with WUAs should be avoided.
- xii) Once the assets have been handed over to the financially empowered WUAs, the maintenance of assets should be done by WUAs on their own. For full financial empowerment of WUAs, the WUAs should retain a certain portion of water tariff collected by them, instead of following the current practice of getting a refund from Government.

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Annexure-III

**Photographs 5th PIRC - Field visit to Narmada Canal Project Sanchore on 29.05.2019**



**Visit to fully functional Pumping Unit (DDN-9T) on Dudhhwasan Minor**



**RD 7.88 KM of Narmada Canal**



**Discussion with State Government Engineers**



**Discussion with WUA members**



Photographs 5th PIRC meeting Mt. Abu 30.05.2019



Sh.S.K.Haldar, Member(WP&P),CWC chairing the 5<sup>th</sup> PIRC Meeting

