

F.No. 15011/1/2018-CADWM/255-263
Ministry of Water Resources, RD & GR
CADWM Wing

**438 Krishi Bhawan,
New Delhi.**

Dated: 26th February, 2019.

Subject:- Minutes of the 4th Meeting of the Project Implementation Review Committee (PIRC) FOR CADWM implementation of 99 Prioritised Irrigation Projects Under PMKSY held at Nagpur on 4TH & 5TH February, 2019.

The 4th Meeting of Project Implementation Review Committee (PIRC) for CADWM Implementation of 99 Prioritized Projects under PMKSY was held at Nagpur on 4th & 5th February, 2019 under the chairmanship of Secretary (WR,RD&GR).

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.

Vijai
26.2.19

(Vijai Saran)

Senior Joint Commissioner (CAD-I)

Tele/fax-23383090

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

MINUTES OF THE 4th PROJECT IMPLEMENTATION REVIEW COMMITTEE (PIRC) MEETING FOR CADWM IMPLEMENTATION OF 99 PRIORITIZED IRRIGATION PROJECTS UNDER PMKSY HELD AT NAGPUR, MAHARASHTRA ON 04-05 FEBRUARY, 2019

The 4th meeting of the Project Implementation Review Committee (PIRC) for CADWM implementation of 99 prioritized irrigation projects was organized at Nagpur, Maharashtra on 04-05 February, 2019. In view of gaining a better understanding of the key interventions, participation of top level officials dealing with the projects was planned under the Chairmanship of **Shri U.P.Singh**, Secretary (WR, RD &GR), Govt. of India. Officers of MoWR, RD & GR, Central Water Commission and the State Government of 17 PMKSY States attended the meeting. The list of participants is given at **Annexure-I** and summary record of PIRC decisions and recommendations is given at **Annexure-II**. Photographs taken during the visit are enclosed at **Annexure-III**.

2.0 The two-day program included field visit on the first day (4th February, 2019) for CADWM works executed in the Bembla River Project [Dehani Lift Irrigation Scheme] and Lower Wardha CADWM Project, followed by a review meeting on 2nd day (5th February, 2019), covering review of CADWM progress and discussion on shortcomings/bottlenecks encountered in project implementation by various states.

FIELD VISIT ON 4th FEBRUARY, 2019.

3.0 The field visit was organized on 4th February and the team first visited Dehani Lift Irrigation Scheme under Bembla River project where 21.07 MCM water is lifted and utilized for irrigating a command area of 6968 ha. Total beneficiaries are 3814 nos out of which 2110 nos have a landholding of less than 2 ha. The project envisages a state-of-art automation which regulates water as per season, weather and crop pattern requirement. The water from the reservoir of the Bembla Dam comes via approach channel to the main pump house from where it is pumped through rising Main to the Main Distribution Chamber (MDC) and from MDC, water flows through gravity to Sub-Distribution Chamber (SDC). Water from the SDC is pumped to the farm through pipes so that pressurized water is available at the inlet of the farm for connecting with the laterals of drip irrigation. There are two stages of the project. The CCA of stage-1 is 4121 ha and that of stage-2 is 2847 ha. It was informed by the project authorities that a pilot project covering 1750 ha was taken up and drip irrigation system has been installed in 1630 ha out of 1750 ha. The procedure followed in the pilot project was that farmers were given a choice to choose the drip manufacturing company, and then, four-party agreement was signed between the Executive Engineer of Irrigation Department, Chairman of WUA, farmers and drip manufacturing company. After the agreement was signed, the work order was issued to the Company. The main crops being grown are cotton and Tur dal.

4.0 A presentation was given by the State Government official giving details of Dehani Lift Irrigation Scheme under Bembla River project. After the presentation, discussions were held with some farmers of the WUAs of the area. Representatives of WUAs informed the officers that availability of water at the required time schedule is often not assured. The representative of State Government informed that after the completion of SCADA system, water will be available at the time

desired by the farmers. Pressure Flow Control and Metering Device (PFCMD) are used for every section and total DISNET is controlled by SCADA. However, it may take one or two years for SCADA system to be established and stabilized. The PIRC noted with concern that absence of SCADA in the presently operationalized area may lead to rejection of the system by farmers. **The PIRC team advised the State engineers to put in place a mechanism, whereby, the farmers can give requisition, and as far as possible, water should be supplied as per the requisition till the completion of the SCADA system.** Since the WUA operates at a much larger area, so, for each sub-chuk of around 4-5 ha, the farmers can choose one representative who will be authorized to place requisition of water for that sub-chuk, to the concerned official of Irrigation department/company so that water at that location is available at the desired time.

[Action: Govt. of Maharashtra]

5.0 Main pump house, the MDC, SDC and the farms were visited by the team. During the visit, it was informed by the local farmers that the transformer of Sub-Distribution Chamber (SDC) No. 18 was not functional and, as such, they were being deprived of drip irrigation. Engineer of the State Government informed that the transformer of this SDC has been stolen more than once and replacement is being provided. The team explained to the farmers that safety of the pumps/transformers should be ensured by the local farmers and the members of WUAs as any theft is likely to affect irrigation adversely. **It was felt that both the supplier company and the irrigation department should be sensitive to the demands of the farmers and address any complaints quickly so that the acceptability of the drip irrigation is not adversely affected till the stabilization of SCADA system.** Members of the WUAs should also be vigilant and pro-active in making this project successful. A few farmers also raised the issue of their cotton crops turning red and thus getting spoiled by micro-irrigation water. **Project authorities were directed to coordinate and get the issue examined through Agriculture Department of the States on priority.**

[Action: Govt. of Maharashtra]

6.0 After completing the visit of micro irrigation works of Dehani Lift Irrigation Scheme, the team inspected the conventional CAD works of Lower Wardha CADWM project. Mumbai School of Economics & Public Policy has been hired by the Government of Maharashtra to provide handholding support to the WUAs. Their representative explained the methodology of getting WUAs registered and providing them handholding support. **Keeping in view, the number of WUAs targeted for PMKSY projects in the State of Maharashtra, its representatives were requested to suitably increase the manpower for providing needed support to WUAs.**

[Action : Govt. of Maharashtra]

7.0 The conventional CAD works of outlet No.3 of Bheedi Minor No.1 were inspected and it was observed that the water course off-taking from the outlet of the minor was unlined. However, there were number of structures like crossings, falls etc. which were pucca works and there was also a small stretch of lined water course in the intermittent reach. **The PIRC team explained to the State Government officials that lining of water course should preferably be carried out in the main-stem of water course starting from the outlet which caters to maximum discharge,**

instead of lining the middle portion of the water course. It was also explained that the number of structures may be minimized with better planning and length of lined water course suitably increased as is being done by other States. The representative of Madhya Pradesh agreed to share the works specifications and cost estimate of lined water courses with the project authorities in Maharashtra so that the extent of lined water course under an outlet can suitably be enhanced in CADWM projects of Maharashtra.

[Action : Govt. of Maharashtra]

PROJECT IMPLEMENTATION REVIEW COMMITTEE (PIRC) MEETING ON 5th FEBRUARY, 2019.

8.0 The Project Implementation Review Committee meeting was held at Nagpur under the Chairmanship of **Shri U.P. Singh**, Secretary (WR, RD&GR), Government of India. At the outset, the Chairman welcomed all participants, and also conveyed thanks to Government of Maharashtra for facilitating the 4th PIRC meeting at Nagpur. Shri Rajendra Pawar, Secretary (CAD), Government of Maharashtra welcomed all the participants stating that initiative of the Union Ministry of Water Resources has enabled a common platform for taking advantage of the experiences of different State Governments.

9.0 After a brief round of introduction, Shri U.P. Singh, Secretary (WR, RD&GR) in his opening remarks, pointed out the challenges being faced in the water resources sectors and emphasized how critical is the issue of water management in the present day context with rainfall pattern becoming unpredictable owing to climate change issues. **He was of the view that the options of water resources development are getting restricted, as construction of new and large dams is going to be difficult owing to land acquisition issues, R&R issues and Forest clearances. Thus, the focus needs to be on improved water management and better water-use efficiency. There is tremendous scope to improve the surface irrigation efficiency which presently hovers between 35% to 38%. He stated that NITI Aayog has recently launched "Composite Water Management Index (CWMI)" with an aim to rank the State in terms of better water use management. This is a useful tool to assess and improve the performance in efficient management of water resources. He pointed out the success stories of Madhya Pradesh where irrigated area has increased with better water user efficiency. He urged the other PMKSY States to take advantage of the learning curve of Madhya Pradesh. He also appreciated the efforts of Maharashtra in creation of "Water Resource Regulatory Authority". He lauded the efforts of State of Odisha in formation of successful "Pani Panchayat" despite numerous teething troubles related to farmer's involvement, women's participation, contractual issues, sustainability issues, etc. Underlining the importance of CADWM programme in bridging the IPC-IPU gap, he then requested Commissioner (CAD) to conduct the meeting.**

[Action: State Govts/CWC/MoWR]

10.0 The State Government officers were requested to make presentation highlighting CADWM activities, progress achieved, and bottlenecks encountered in work progress. 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 all other seven projects have been included in the CADWM programme. CA amounting to Rs. 67.36 crore has been released during 2018-19 to six projects out of total seven projects. CA release of Yerraclava project is under process and will be sanctioned shortly.

Secretary (WR,RD&GR) enquired about the higher share cost of State. Clarifying the issue, Commissioner (CAD) stated that for computation of Central share, the cost is capped as per cost norms prescribed in guidelines, and the burden of extra cost is passed to the States. The Secretary (WR, RD&GR) pointed out the slow progress of CADWM even after lapse of three years. 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. Out of these six projects for which CA has been released, tender has been invited only for Gundal Kamma project. For all other projects, tenders are still being processed. There is an urgent need to take up the work in expeditious manner so as to meet the targeted scheduled completion.

[Action : Govt. of Andhra Pradesh/CWC Hyderabad]

(ii) **Assam:** There are three projects in the State of Assam namely, Dhansiri, Champamati and Borolia. All these three projects are already included under CAD&WM Programme of PMKSY. Central Assistance amounting to Rs. 3.55 cr. was released by MoWR,RD & GR during 2018-19 in respect of Champamati project. The State representative informed that works under On-Farm Development, Micro-Irrigation & Correction of System Deficiency are under progress and about 80% works have been completed. Out of total 40 nos. WUAs to be formed, 25 nos. WUAs have already been formed. However till date financial and physical data entry is yet to be reflected in the MIS.

The Dhansiri project has been included for a CCA of 34.183 th ha. with an estimated cost of Rs. 151.99 cr. CA amounting to Rs. 9.73 cr. has been released during 2015-16 for which utilization certificate is yet to be submitted by the State Government. The physical progress achieved has not been shown in MIS. The project authorities intimated that Dhansiri project shall be completed by December, 2019. Out of total 50 nos WUAs to be formed, 43 nos WUAs have been registered. No CA release proposal has been submitted by State during 2016-17, 2017-18 and 2018-19 (so far). The State Government was advised to fully utilize the CA released earlier, and submit CA proposal for 2019-20 in the first quarter itself.

The Borolia project has been included for a CCA of 8977 ha for structural interventions and 9717 ha for Non-Structural Interventions with an estimated cost of Rs. 36.23 cr. No CA release proposal for CAD has been submitted by State Government.

[Action: Govt. of Assam/CWC Guwahati]

(iii) **Bihar.** There are 2 projects, namely, Durgawati and Punpun under 99 prioritized projects. Presently only Durgawati project is included under CADWM programme. For Durgawati project a CA of Rs. 35.82 cr. has been released during the last three years. Physical and Financial target/progress entry have been done in MIS except the entry of micro-irrigation. The State Government has reported physical

progress in CCA of about 13500 ha out of 30,510 ha. The state representative stated that out of 3247 ha. area proposed under Micro irrigation, an area of 1222ha. has already been identified and work in an area of 202 ha. is in progress and rest area is being identified. Distributory level committee in Lakshmipur distributory and Adhwar distributory under Kudra weir system have been formed and their registration is in progress. Village level committees in Kathia distributory, Maricha distributory, Sabath distributory, Adhwar Bhokhari distributory, Laxmipur distributory, Chhata Minor and Belhari Distributory have been formed. Formation of distributory level committees is in progress and formation of Village Level Committees in some other distributory/minor is in progress.

The State Government representative reported that presently progress is held up due to standing Rabi Crop on farm. After Rabi Crop is harvested, CAD works will be taken up and completed as per the targeted schedule by December, 2019. He also pointed out that for sustainability of micro irrigation, additional interventions in terms of dug-well/bore-wells will also be required for conjunctive use of groundwater. **It was agreed by PIRC that activities needed for conjunctive use of groundwater can be included as part of micro-irrigation infrastructure.** Commissioner (CAD) pointed out that burden of farm level intervention can be shared through the 'Per Drop More Crop (PDMC)' Scheme of Ministry of Agriculture and Farmers' Welfare (MoAg & FW). He also informed that as per agreement reached with MoAg & FW, the States can now submit the convergence proposals through their Water Resources/Irrigation Departments to CADWM Wing of MoWR,RD&GR for onward transmission to MoAg & FW, for release of Central Assistance under PDMC. Informing that budget for State share for PDMC is already placed with Agriculture Department, the representative of Bihar said that convergence effort will be made by the Agriculture Department of Bihar.

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. Responding to Commissioner (CAD)'s observation on the need for correction in their procedure as pointed out during field inspection, the representative of Bihar said that action has been taken and grants will be released to WUAs shortly.

[Action: Govt. of Bihar]

(iv) **Chhattisgarh.** There are 3 projects in the State, namely, Maniyari Tank, Kharung and Kelo. All these have been included under CADWM programme of PMKSY. CA amounting to Rs. 21.71 cr. has been released to all 3 projects. Till date financial and physical data entry are yet to be reflected in MIS. CA amounting to Rs.11.782 crore was released to Kelo project during 2017-18, while during 2018-19, CA amounting to Rs.4.98 crore has been released to Maniyari Tank and Rs.4.94 crore to Kharung CADWM projects. The representative of the State Government informed that CAD work will now be taken up in the form of underground pipeline. The tenders have been invited in respect of Kharung project and Maniyari Tank project and the process of awarding work is in advanced stages. In respect of Kelo CAD project, it was informed that pre-qualifications of tenders is in process.

The Secretary (WR,RD&GR) expressed his concern over delay in finalization of tenders in respect of all the three projects of the State. The representative of the

State Government informed that earlier there was no response when tenders were invited, but this time L-1 has already been identified in respect of both Maniyari and Kharung project and the work is likely to be awarded. Since, the target CCA in respect of Maniyari Tank and Kharung is not very high and, in case, tenders are awarded timely, the works can be finished as per schedule provided State Government keeps adequate provision in the Budget of 2019-20.

[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. Out of the remaining 2.87 lakh ha, 0.25 lakh ha is targeted to be completed during balance period of 2018-19, and 2.62 lakh ha will be targeted to be achieved during 2019-20 [upto December, 2019]. CA amounting to Rs.681.644 crore and Rs.690.47 crore have been released to the project during 2016-17 and 2017-18 respectively. During 2018-19, CA amounting to Rs.224.19 crore has been sanctioned by MoWR,RD&GR. The target for current year is 2.71 lakh ha, out of which progress of Rs.2.46 lakh ha has already been achieved so far.

It was informed by the State Govt. that a separate agency namely GGRC has been entrusted with the work of Micro irrigation. It was clarified that during 2018-19, Micro-irrigation has been done in an area of 14,168 Ha by GGRC in the command area. It was informed by PMU that as per the MIS data entered by the State, progress of WUAs (1561 created & 1475 Regd.) is 34%. There is mismatch in total and outlet-wise progress. Data entry for micro-irrigation is yet to be done. The State Government was advised to correct the entries in the CADWM-MIS portal. Necessary steps may be taken up by SSNNL to ensure that CA released is utilized to achieve the progress reported under micro-irrigation of Sardar Sarovar CAD Project under PMKSY.

Commissioner (CAD) stated that issue of random pilferage has been underlined by him during site visit and the same has also been reported in the inspection reports of PMU. He said that this has led to tail-enders not receiving their share in some parts of command as reported by NGOs, whose reports have been shared with Government of Gujarat. Representative of Gujarat acknowledged the existence of stated issue and said that State Government is now engaging the services of NGOs to strengthen the WUAs so as to deal with issues of pilferage and ensure equitable distribution of water to all farmers.

The CA proposal for 2nd installment of 2018-19 has not yet been submitted by the State Government to CWC. It is requested that the State Government may submit the CA proposal for release of the 2nd installment of 2018-19 to CWC at the earliest so that the same can be released in the current financial year.

[Action: Govt. of Gujarat/CWC Gandhinagar]

(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 6595 ha and balance CCA is 7926 ha. The State Government informed that out of 150 WUAs planned to be constituted 42 WUAs have been constituted till date. However, no CA proposal was submitted by the State Government in 2016-17 and 2017-18. The State Government has submitted CA proposal of Rs.8 crore to CWC Bangalore during

2018-19. The same needs to be processed expeditiously by CWC Bangalore so that CA can be released during 2018-19.

[Action: Govt. of Goa/CWC Bangalore]

(vii) **Jammu & Kashmir.** There was no participation from State of J&K, hence, information was furnished by Director, CWC (Jammu). There are 4 projects in the State of J&K, namely, Parkachik Khows, Tral LIS, Rajpora LIS and Modernization of Ravi Canal CADWM Projects, 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.

CA amounting to Rs.1.7 crore has been sanctioned during 2018-19 to all the three CADWM projects but yet to be released by NABARD. The State Government was assured that CA sanctioned by MoWR,RD&GR will be released shortly. Since remaining works in all three included projects is not much, hence, State Government should attempt to complete CAD works of all three projects by December, 2019.

[Action: Govt. of J&K/PMO/NABARD]

(viii) **Jharkhand.** There is only one project in the State, namely, Subernrekha under the 99 prioritized list of AIBP 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 phased manner and the CADWM activities may be taken up for the portions where AIBP components are nearing completion. Accordingly the State Govt. has taken up the DPRs for Chandil Left Main Canal for CCA of about 66 thousand ha and Galudih Left Main Canal. The DPR for Chandil Main Canal has been recommended by CWC and is under process in Ministry. In CLMC 25 nos of WUA have been formed (One for each Disty) having CCA of 10545 ha, covering 106 Nos of villages. Full efforts are being made to form the WUA for rest 41 no of Distributaries. DPR of Galudih Left Main Canal (GLMC) has been submitted by State Govt. and is under appraisal in the regional office of CWC at Patna.

It was also informed by the State representative that the case for release of Central Assistance in respect of CLMC will be submitted shortly.

[Action: Govt. of Jharkhand/CWC Patna]

(ix) **Karnataka.** There are 5 projects of the State in the list of 99 Prioritized AIBP Projects under PMKSY. All five projects have been included under CADWM programme of MoWR, RD&GR.

It was informed by the State Government that in Rameshwar LIS project, field channels in a CCA of 10839 ha have been constructed out of total targeted CCA of 11417 ha. As per CADWM-MIS, 13 WUAs have been formed but only one is registered. CA amounting to Rs.16.751 crore has been released/sanctioned to this project and it can be completed as per schedule, provided adequate budget provision is kept during 2019-20.

It was informed by the State Government that in Upper Tunga, field channels in a CCA of 8610 ha have been constructed out of total targeted CCA of 25449 ha. CA amounting to Rs.21.045 crore has been released to the project. Physical and financial progress is to be filled in MIS portal by project authorities.

It was informed by the State Govt. that in Bhima LIS field channels in a CCA of 11147 ha have been constructed out of total targeted CCA of 12898 ha for field channels. CA amounting to Rs.12.74 crore has been released to the project and project can be completed at the earliest. CA proposal of Bhima LIS is under process in Ministry. The State representative was requested to expedite submission of audit report in respect of Bhima LIS project so that the backlog CA can be released at the earliest.

For Karanja CADWM project, CA release proposal is yet to be submitted by the State. In response to a question by Commissioner (CAD), regarding the status of repair works of canal system, the Director, CWC (Bangalore) informed that repairs have been taken up by State Government and, hence, CADWM works can commence.

It was informed by the State representative that NLBC project is yet to be cleared by the State Government because of the small proportion of CA. Clarifying the issue, Commissioner (CAD) pointed out that the NLBC project authorities have proposed to include balance CCA of 28.665 th ha in the CADWM programme but they wish to claim the amount for "Correction of System Deficiency" for the whole CCA of project. The amount being sought for correction of existing deficiency should be claimed under AIBP as the project has been included for ERM under AIBP.

[Action: Govt. of Karnataka]

(x) **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 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 withhold Karapuzha project from further discussion. Progress of CAD works in respect of Muvattapuzha project was noted as very slow. It was informed by the State Government that budget provision of Rs.10 crore has been kept during 2018-19 out of which tenders have been invited for works of Rs.2.9 crore. Director, CWC said that the outstanding works amount to Rs.90 crore and the budget allocation of Rs.10 crore is too low. The CA release proposal for 2018-19 was submitted to the Regional Office of CWC and the observation raised by the CWC are under compliance. State and CWC was requested to expedite CA release submission and progress of work.

[Action: MoWR, Govt. of Kerala; CWC Cochin]

(xi) **Madhya Pradesh.** Out of 13 projects, 10 projects are under the Water Resources Department of Madhya Pradesh and balance three under Narmada Valley Development Authority (NVDA). The physical target of the WRD projects is 4.46 lakh ha out of which progress have been achieved in 2.33 lakh ha upto 31.3.18 as informed by the State representative. During 2018-19, physical progress in 0.68 lakh

ha has been achieved so far. Thus, total progress of about 3.00 lakh ha out of 4.46 lakh ha has been achieved. The target for micro-irrigation is about 50 th ha. However, the progress in respect of three projects of NVDA is far from satisfactory and so far progress in CCA of about 0.75 lakh ha only has been achieved. The AIBP component of Bargi Diversion Project Ph.III and IV has not been completed. Similarly, AIBP components of Ph.III, IV and V of Indira Sagar project is not complete. The AIBP work of Ph.II, III & IV of Omkareshwar project are also not complete. The representative of NVDA informed that wherever IPC has been created water is reaching the farm and lining of water course can be taken up only during non-cropping season. Secretary (WR, RD&GR) said that even in areas where IPC has been created, the NVDA is not able to show the progress.

It was also pointed out that wherever functional grant and infrastructural grant has been sanctioned, the same should be transferred to WUAs. The representative of WRD, MP was requested to expedite submission of audit reports, as insisted by IFD, so that CA along with outstanding CA of previous year can be released in respect of Sindh Phase-II and Mahan CAD projects. Failing compliance, the release would be restricted to the advance CA for 2018-19.

[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. The physical target of the 22 included projects is 5.02 lakh ha out of which micro-irrigation has been proposed in area of 0.73 lakh ha. However, out of target CCA of 5.03 lakh ha, the progress achieved so far is 0.41 lakh ha. CA amounting to Rs.15.17 crore and Rs.32.8 crore has been released during 2016-17 and 2017-18 respectively. During 2018-19, CA amounting to Rs.18.13 crore has so far been released/sanctioned. The total cost of these 22 included projects is about Rs.2000 crore, but budget provision for 2018-19 is only Rs.204 crore. The progress achieved so far is also not satisfactory.

Chief Engineer, CWC, Nagpur stated that Irrigation Potential Created (IPC) in respect of Kudali, Morna and Aruna projects is nil as the dam itself has not been completed, hence, CAD works cannot be taken up. Secretary (WR, RD&GR) requested State Government officers that budget provision during 2019-20 be suitably enhanced so that progress of CAD works can be achieved in those areas where IPC has been created. Ghosikhurd and Lower Pedhi projects may spill over beyond December, 2019. Commissioner (CAD) pointed out that percentage of lined water course in any outlet may be enhanced suitably, like other States. The State Government officers were asked to get specifications and cost estimate of lined water courses from Madhya Pradesh and try to bring suitable changes in CADWM implementation in Maharashtra.

[Action: Govt. of Maharashtra; CWC Nagpur]

(xiii) **Manipur**. There are 2 projects in the State of Manipur, namely, Thoubal and Dolaithabi. In the current financial year 2018-19, there is budget provision of Rs.120.00 lakhs for Thoubal Multipurpose Project (Ph-III) and Rs.60.00 lakhs for Dolaithabi Barrage Project. 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. Letters from MoWR,RD&GR and continuous persuasion from CWC, Guwahati for enhancing State budget provision did not yield the desired result.

Secretary (WR,RD&GR) desired that matter be taken up with Chief Secretary for enhancing the provision in State budget of 2019-20, so that the progress can be achieved and after utilizing matching State share, CA proposal in respect of both projects for 2019-20 be submitted at the earliest to ensure expeditious completion of projects.

[Action: MoWR/ Govt. of Manipur/ CWC Guwahati]

(xiv) **Odisha.** There are eight projects of the State and all of them are included under the CADWM programme of PMKSY. CA amounting to Rs.35.2 crore in 2016-17 and Rs.58.5 crore during 2017-18 has been released. The State representative informed that CAD works of Upper Indirawati Project and Rukura Project is likely to be completed by March, 2019. Further, Lower Indira and Telangiri projects are likely to be completed by June 2019. However, the AIBP components of Subernrekha, Kanpur and Anandpur Barrage may spill over beyond December, 2019.

The State Government was advised that functional grants and Infrastructural Grants may be released to WUAs in those projects where CA for this component has been released and specially those projects where structural works are nearing completion so that the WUAs are empowered to take over and manage the assets created.

(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 already included under the CADWM programme. 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. However, due to non-release of funds by State Government, matching State Share corresponding to CA release of Rs.7.43 crore (2018-19) was not available. As such CA proposal for second release for 2018-19 cannot be submitted by State Government. It was informed by the State representative that in Gang Canal Ph-II project it is not possible to execute about 9000 ha area out of a total of 44815 ha included under CADWM and sought permission to execute this area in adjoining command of Gang Canal Ph-I Project. State Government was requested to complete the work in the allotted area by making suitable budget provisions and releasing funds to project. The State Government may subsequently submit the case for carrying out work in adjoining area, which will be looked into by CWC for appropriate recommendation.

Narmada Project has been included for Non-Structural components. No Budget provision has been kept by the State during 2018-19, hence no CA release proposal could be submitted. 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.

It was informed by the PMU that in the MIS, registration details of WUAs were not entered for and there is a mismatch in Physical and financial progress of Gang canal project. State representative agreed to look into the issues and update the MIS.

[Action: CWC and Govt. of Rajasthan]

(xvi) **Telangana** There are 11 projects in Telangana under prioritized list. All projects have been included under CADWDM 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. CA amounting to Rs.10.22 crore was released in 2017-18 and Rs.19.22 crore during 2018-19 has been sanctioned/released. However, physical works have not yet been taken up awaiting government approval for detailed estimates. In Rajiv Bheema L.I. Scheme and Sri Komaram Bheem Projects, unlined field channels were constructed under AIBP component. The Project Authorities have now proposed to line these unlined field channels under the CADWDM programme. Since unlined field channels were already constructed using AIBP funds, hence, the cost of funds utilized under AIBP needs to be deducted from cost proposed for lined field channel by the Project Authorities under CADWDM. Project Authorities and Regional CWC office, Hyderabad, may resolve the pending issue at the earliest. Secretary (WR,RD&GR) expressed his concern over the slow pace of progress of projects in Telangana and expressed hope that works will be taken up at the earliest and sufficient budget provision be kept during 2019-20 to accelerate the progress of works.

[Action: Govt. of Telangna]

(xvii) **Uttar Pradesh.** There are 4 projects in 99 prioritized list, out of which, Bansagar Canal project does not require CAD work. Two projects namely, Saryu Nahar project and Arjun Sahayak project have already been included in the CADWDM 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, CADWDM works cannot be taken up; accordingly, it was decided to withhold Madhya Ganga Canal Project from further discussion. Despite various letters from Ministry to Government of Uttar Pradesh and assurance made by Government of Uttar Pradesh to NITI Aayog and PMO during review meetings, no provision could be made in the State budget for 2018-19 for CAD projects. As such no CA proposal could be submitted by the State Government in respect of both the included projects. However, the State representatives informed that a provision of Rs.500 crore for Saryu Nahar Pariyojna and Rs.100 for Arjun Sahayak Canal Project for CADWDM has been kept in State budget for 2019-20. The State Government was advised that CA proposal in respect of Saryu Nehar Pariyojna and Arjun Sahayak Project may be submitted in the beginning of FY 2019-20 so that CA could be released in first quarter itself.

[Action: Govt. of UP/CWC]

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

- i. States will set physical target of 2019-20, in such a way, so as to ensure maximum completion of the projects by December, 2019. Proposal for CA release for meeting the physical target of 2019-20 shall be submitted by all the State Governments at the earliest for affecting CA release in the first quarter of 2019-20 itself. State Governments shall also keep adequate provision in the State budget so that they are able to meet the physical targets set for 2019-20.
- ii. All State Governments shall ensure entry of project details and progress data in the CADWM-MIS portal developed by NIC. 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 Government. The proposals for release of CA during 2018-19 have been submitted by the State Government and processed by CWC using CADWM-MIS portal. For 2019-20, the CA utilization details will also be picked-up from MIS and CA release proposals of projects having inadequate MIS data will not get processed.
- iii. The State Governments shall release the infrastructure and the functional grants 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.
- iv. As part of continued project monitoring, several project inspection visits are being undertaken by the officials of MoWR, RD&GR, CWC regional offices and the PMU. Several observations on the implementation of CADWM have been made by such inspection teams. The actionable comments/ observations of the inspection visits have been 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. The States need to attend to these observations and upload the compliance on the MIS.
- v. Strengthening of WUAs shall be brought by providing handholding support through social facilitators. The National Water Mission under Ministry of Water Resources has empanelled a large number of good NGOs to act as social facilitator; States may take advantage of this empanelment.
- vi. Details of completed outlets are required to be progressively shared with MoAg&FW so that action for crop planning by respective Agriculture Universities can be initiated by MoAg&FW. State Governments shall geo-tag each outlet and mark the completion of respective outlets on the CADWM-MIS Portal so that information can be transparently generated and shared with MoAg & FW in the form of MIS Report.
- vii. 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. Water Resources/Irrigation departments of State Governments may submit proposals for cluster level subsidy (central) assistance to MoAg&FW with due concurrence of the SLSC through CADWM Wing. Funds can also be availed by State Governments for meeting any top-up subsidy to farmers through 'Micro-Irrigation Fund' operated by NABARD.

- viii. There is a need to bring the concept of equity in irrigation water both through surface and ground water combined. The concept of equity needs to be evolved both with availability of surface water and ground water combined (Micro-zonal mapping of ground water in the command). A strong institutional mechanism is required to be in place to implement this with enhanced co-ordination. State may identify specific pilots for promoting conjunctive ground water use, wherein PMU can facilitate needful studies/interventions. .
- ix. Advancements in agricultural practices have brought a major shift to non-conventional crops. A large number of such crops are suitable for micro-irrigation. Limited availability of irrigation water necessitates mandatory switch to micro-irrigation for certain types of crops. Thus, there is need to improve operation plan of irrigation system in CADWM activity both for conventional field channels as well as micro-irrigation.

12.0 Following the State specific review, a brief presentation on the features of MGNREGA and its convergence with integrated development of command area by officials of Ministry of Rural Development was given. The Secretary WR was of the view that MGNREGA funds need to be utilized in a big way and that the State should avail of this opportunity for the construction and maintenance of distributaries/minors/CAD works. He advised that guidelines for MGNREGA may be modified so as to permit CAD works in Major & Medium Irrigation projects. After a brief discussion, PIRC recommended for the below listed measures:-

- i. The extant provision of MGNREGS guidelines which prohibits works under major and medium irrigation projects may be amended to include Command Area Development (CAD) works covering the following:
 - a) Extension of lined water courses/ field channel including minor structures as necessary
 - b) Land leveling, wherever necessary
 - c) Farm drainage works - construction of open drains
- ii. The execution of CAD works for an irrigation project under MGNREGS shall be done as per following guidelines:
 - a) Additional CAD works beyond the extents achieved under CADWM program of the project can be taken up in outlets/areas where CADWM works have been completed and CAD assets have been handed over to the Water Users' Associations (WUAs).
 - b) CAD works can also be undertaken in those outlets/areas of irrigation projects where CADWM program is not yet implemented. But, in order to avoid duplication of funding, such outlets/areas shall not be allowed

structural intervention under future implementation of CADWM program. However, non-structural intervention for creation and strengthening of WUAs can be funded under CADWM program and CAD assets (completed under MGNREGS) handed over to such WUAs.

- c) In areas where CAD assets have been handed over to WUAs, the respective WUAs will be the Project Implementing Agencies (PIA). In other areas, the designated State departments responsible for carrying out CADWM works will be the PIA.
- d) The implementation of any work shall not be in contradiction to the layout approved by the concerned State department responsible for CADWM implementation.
- e) Both labor and material components of works will be met from MGNREGS.
- f) In case of WUA being the PIA, the concerned officials of CADWM department will assist the District administration in preparing the technical designs, drawings, estimates etc. They will also provide assistance in giving layout of the works to be executed by the WUA, and in monitoring of the quality of such works.
- g) District administration and the concerned CADWM officials of the State department shall have joint meeting to operationalise the convergence of CAD works with MGNREGS.

13.0 The Secretary (WR,RD&GR) underlined the need for promoting information on the CADWM amongst farmers and other stakeholders through social media. After a brief discussion, it was agreed that PMU will work for providing suitable material/clippings/stories highlighting the success of AIBP and CADWM implementation under 99 prioritized projects.

[Action: PMU/MoWR]

14.0 Commissioner, CAD thanked all the participants and gave special thanks to the State of Maharashtra for making all the necessary arrangement for the meeting. The Meeting ended with a vote of thanks to the Chair.

**List of participants in the 4th Project Implementation Review Committee (PIRC) for
CADWM held on 4-5 February 2019 at Nagpur (Maharashtra)**

Sl.	Name [Shri/Ms]	Designation
MoWR,RD&GR		
1.	U.P. Singh	Secretary
2.	B.R.K. Pillai	Commissioner (CAD)
3.	Vijai Saran	Sr. Joint Commissioner (CAD)
4.	P.K. Rawat	Deputy Director (CAD)
5.	Avanti Verma	Deputy Director (SPR)
6.	Chirag Bhatia	SA, NIC
7.	Vivek Fuley	STA
Ministry of Rural Development		
8.	Hansal Suthar	Programme Officer (MGNREGA)
9.	S.R. Meena	Deputy Secretary M/o Rural Development
Ministry of Agriculture and Farmers' Welfare (MoAg & FW)		
10.	Y. Suresh Kumar	Assistant Commissioner (RFS) DAC&FW, MoA&FW, Delhi
INDIA NPIM		
11.	Y.D. Sharma	Secretary
PMU		
12.	Sanjiv Agarwal	W.R. Expert
13.	W. Dineshwori Devi	Team Leader, PMU,PMKSY
14.	Poonam Batra	MIS Expert, PMU-PMKSY
Central Water Commission		
15.	S.K. Haldar	Member (WP&P)
16.	A.S. Goel	CE, YBO, CWC
17.	Ambarish Nayak	CE, MERO, CWC
18.	Shiv Nandan Kumar	CE, MCO, CWC, Nagpur
19.	D.S. Chaskar	Dir. Mon, NTBO, CWC, Gandhinagar
20.	R. Thangamani	Dir., CWC, Kochi
21.	Kiran Pramanik	Dir. CWC, Bhopal
22.	M.W. Pawnikar	Dir. (M&A), CWC, Bhopal
23.	Yoki Vijay	Dir. (M&A), CWC, Jammu
24.	N.V. Satish Seemakuritz	Director (Mon), CWC, MSO, Bangalore
25.	Shiva Prakash	Dir. M&A, CWC, Lucknow
26.	V.D Roy	Dir. M&A CWC, Guwahati
27.	D.M. Raipure	Dir. Mon. CWC, Nagpur

28.	M.K. Singh	Dir. Monitoring CGBO, CWC, Patna
29.	Manoj Tiwari	Dir. M&A. CWC, Raipur
30.	Anil Kumar Arya	Dy. Dir. CWC, Patna
31.	Manoj Kumar	Dy. Dir. CWC, Ranchi
32.	V. Gangadhar	Dy. Director, M&A, CWC, Hyderabad
Andhra Pradesh		
33.	L.V. Ramana Murty	SE, CADA, Andhra Pradesh
34.	U Annam Naidu	Executive Engineer, CADA O/o Commissioner (CAD) WRD
Assam		
35.	H.K. Mili	Deputy Chief Administrator, Lower Assam, CAD Authority, Guwahati-3, Assam
36.	Joynal Abedin	EE, Dhansiri, CAD
37.	T.K. Sakia	EE, Borodia Irrigation Project, Assam
Bihar		
38.	Rakesh Kumar	SE, CAD Directorate W.R.D. Bihar, Patna
39.	Manoj Kumar	Deputy Secretary, CADD, Bihar
Chhattisgarh		
40.	A.K Somawar	CE, Hasdeo Bango Project, Bilaspur, Chhattisgarh,
41.	R.S. Naidu	Superintending Engineer, Water Recourses Circle, Bilaspur, Chhattisgarh
42.	M.K. Chandra	SDO, Kharang W.R. Sub Division, Bilaspur (CG)
43.	R.S. Chandra	Executive Engineer Kelo Project Construction Division, Lakha, Kharsia Dist. Raigarh (CG)
Goa		
44.	Shrikant D. Patil	SE, WRD, Goa
45.	H.M. Rangaraju	Executive Engineer, Tillari Irrg. Project, Goa
46.	Niranjan D. Pednekar	Technical Assistant, Goa
Gujarat		
47.	Tushar S. Shah	Chief Engineer (CAD), SSNNL, Ganganagar, Gujarat
48.	KB Parmar	Chief Engineer (Design), SSNNL, Ganganagar, Gujarat
Jharkhand		
49.	Shiv Lal Ram	S.E. Subernrekha Project, Jamshedpur, Jharkhand
Karnataka		
50.	B.R. Anil Kumar	Dir. CADA, WRDO, Bangalore, Karnataka
51.	Ashuka AK	EE, CADA, Govt. of Karnataka

Kerala		
52.	Jaya P. Nair	ST Muvattupuzha Valley Irrigation Project, Kerala
53.	B Shaji	Superintending Engineer, (Incharge) Project Circle, Kannur, Kerala
Madhya Pradesh		
54.	D.K. Khatke	SE, NVDA Bhopal
55.	Y.R. Patil	SE O/o Commissioner CAD, Directorate, Bhopal
Maharashtra		
56.	Rajendra Pawar	Secretary WRD (CAD), Maharashtra
57.	Avinash Surve	Executive Director VIDC, Nagpur
58.	Dileep Dattatrayarao Tawar	Chief Engineer, CAD, Aurangabad (M.S.)
59.	R.G Parate	Deputy Sec. (CAD) WRD, Mantralay, Mumbai
60.	P.R. Narvekar	SE, Gosikhurd Lift Irrigation Circle,
61.	J.M. Shaikh	SE, Goshikhurd Project Circle, Nagpur
62.	J.G. Gawali	SE, Nagpur Irrigation Circle, Nagpur
63.	Mahendra S. Amale	SE, DIPC Dhule (M.S.) Lower Panzara
64.	D.G. Barapatee	EE, Lower Wardha Canal Division, Wardha
65.	A.S. Patil	EE, DMP,Dhule
66.	P.P Warade	EE, W.D.D. Jalgaon
67.	D.D Indulkar (SIC Sangli)	Sub-Divisional Officer CADA, Mhaisal
Manipur		
68.	Okram Tikendra Singh	EE, CADA, Manipur
Odisha		
69.	B.K. Mohai	DD O/o EIL, NR, Odisha
70.	Bibhuti Bhusan Dash	Chief Construction Engineer, LIIP, Odisha
Rajasthan		
71.	Ashim Markandey	Chief Engineer (CAD), Rajasthan
Telangana		
72.	A Anantha Ramulu	SE, O/o CADA, Telangana
73.	Mohd. Moizuddin Sajid	EE, O/o Commissioner CADA, Telangana
Uttar Pradesh		
74.	Rajendra Prasad	Dy. Director (CAD), Jhansi, U.P.

Summary of Key Decisions of the 4th PIRC meeting held at Nagpur, Maharashtra on 4-5 February, 2019

- i. Activities needed for conjunctive use of groundwater can be included as part of micro-irrigation infrastructure for sustainability of micro-irrigation system.
- ii. States will set physical target of 2019-20 in such a way so as to ensure maximum completion of the projects by December, 2019.
- iii. All State Governments shall ensure entry of project details and progress data in the CADWM-MIS portal developed by NIC. 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 Government. The proposals for release of CA during 2018-19 have been submitted by the State Government and processed by CWC using CADWM-MIS portal. For 2019-20, the CA utilization details will also be picked-up from MIS and CA release proposals of projects having inadequate MIS data will not get processed.
- iv. The State Governments shall release the infrastructure and the functional grants 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.
- v. As part of continued project monitoring, several project inspection visits are being undertaken by the officials of MoWR, RD&GR, CWC regional offices and the PMU. Several observations on the implementation of CADWM have been made by such inspection teams. The actionable comments/ observations of the inspection visits have been 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. The States need to attend to these observations and upload the compliance on the MIS.
- vi. Strengthening of WUAs shall be brought by providing handholding support through social facilitators. The National Water Mission under Ministry of Water Resources has empanelled a large number of good NGOs to act as social facilitator; States may take advantage of this empanelment.
- vii. Details of completed outlets are required to be progressively shared with MoAg&FW so that action for crop planning by respective Agriculture Universities can be initiated by MoAg&FW. State Governments shall geo-tag each outlet and mark the completion of respective outlets on the CADWM-MIS Portal so that information can be transparently generated and shared with MoAg & FW in the form of MIS Report.
- viii. 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 may submit proposals for cluster level subsidy (central) assistance to MoAg&FW with due concurrence of the SLSC directly through MoWR. 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.

- ix. There is a need to bring the concept of equity in irrigation water both through surface and ground water combined. The concept of equity needs to be evolved both with availability of surface water and ground water combined (Micro-zonal mapping of ground water in the command). A strong institutional mechanism is required to be in place to implement this with enhanced co-ordination.
- x. Advancements in agricultural practices have brought a major shift to non-conventional crops. A large number of such crops are suitable for micro-irrigation. Limited availability of irrigation water necessitates switch to micro-irrigation. Governmental regulation regarding use of micro-irrigation must be made mandatory for certain types of crops. Thus, there is need to improve operation plan of irrigation system in CADWM activity both for conventional field channels as well as micro-irrigation.
- xi. State CAD authorities may explore and identify CAD works in completed CAD projects where unlined water course may be lined with MGNREGA funds for achieving convergence.
- xii. PMU may take up activity of compiling and publishing success stories of PMKSY projects in various forms.
- xiii. The extant provision of MGNREGS guidelines which prohibits works under major and medium irrigation projects may be amended to include Command Area Development (CAD) works covering the following:
 - a) Extension of lined water courses/ field channel including minor structures as necessary
 - b) Land leveling, wherever necessary
 - c) Farm drainage works - construction of open drain
- xiv. The execution of CAD works for an irrigation project under MGNREGS shall be done as per following guidelines:
 - a) Additional CAD works beyond the extents achieved under CADWM program of the project can be taken up in outlets/areas where CADWM works have been completed and CAD assets have been handed over to the Water Users' Associations (WUAs).
 - b) CAD works can also be undertaken in those outlets/areas of irrigation projects where CADWM program is not yet implemented. But, in order to avoid duplication of funding, such outlets/areas shall not be allowed structural intervention under future implementation of CADWM program. However,

non-structural intervention for creation and strengthening of WUAs can be funded under CADWM program and CAD assets (completed under MGNREGS) handed over to such WUAs.

- c) In areas where CAD assets have been handed over to WUAs, the respective WUAs will be the Project Implementing Agencies (PIA). In other areas, the designated State departments responsible for carrying out CADWM works will be the PIA.
- d) The implementation of any work shall not be in contradiction to the layout approved by the concerned State department responsible for CADWM implementation.
- e) Both labour and material components of works will be met from MGNREGS.
- f) In case of WUA being the PIA, the concerned officials of CADWM department will assist the District administration in preparing the technical designs, drawings, estimates etc. They will also provide assistance in giving layout of the works to be executed by the WUA, and in monitoring of the quality of such works.
- g) District administration and the concerned CADWM officials of the State department shall have joint meeting to operationalise the convergence of CAD works with MGNREGS.