

MOST IMMEDIATE

No. R-20011/17/2016- Pen. Riv
Government of India.
Ministry of Water Resources,
River Development & Ganja Rejuvenation
(Peninsular Rivers Wing)

Room No. 353, C Wing,
Krishi Bhawan, New Delhi.
31st January, 2017

Subject : 5th meeting of National Level Steering Committee (NLSC) for Dam Rehabilitation and Improvement Project (DRIP)- reg.

The 5th meeting of National Level Steering Committee (NLSC) for Dam Rehabilitation and improvement Project (DRIP) was held under the Chairmanship of Secretary (WR, RD & GR) on 12.01.2017 at Shram Shakti Bhawan, Rafi Marg, New Delhi. The minutes of the meeting are enclosed for information and further necessary action.



(Manoj Kr. Sharvar)
Under Secretary to Govt. of India
Tel:- 23383059

To

All concerned States / implementing Agencies under DRIP
All Members / Participants of the meeting

Copy also to :

- (i) PPS to Secretary (WR, RD & GR)
- (ii) PPS to JS (Pen. Riv.)

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MINUTES OF MEETING OF
THE FIFTH NATIONAL LEVEL STEERING COMMITTEE FOR DRIP
HELD on 12.01.2017 at NEW DELHI

The fifth meeting of the National Level Steering Committee (NLSC) for the "Dam Rehabilitation and Improvement Project (DRIP)" was held under the Chairmanship of Secretary, MoWR, RD&GR at Shram Shakti Bhawan, New Delhi on 12.01.2017. The list of participants is enclosed at Annexure-1.

At the outset, Chairman welcomed the participants. Thereafter, a consolidated presentation on the progress review of the DRIP was made by the DRIP Consultant. Key observations and deliberations during the meeting are summarized below:

1. DRIP WORKFLOW STATUS

The overall progress of various DRIP Implementing Agencies (IAs) including the status of award of rehabilitation works at the 217 DRIP Dam Projects was discussed.

- I. Work has been awarded at 186 dams (86% of the total) as on 31st December, 2016. There is an increase of 19 dams, or 10%, from the number of dams at which work was awarded in August 2016 (during the time of last NLSC meeting).
- II. Implementing Agencies (IAs) having the largest numbers of dams at which work have not been awarded are TANGEDCO (19 dams), Karnataka WRD (4 dams) and Madhya Pradesh WRD (4 dams).
- III. The amount of rehabilitation work awarded is Rs. 1362 Cr, which is 51% of the targeted expenditure under the project.
- IV. Madhya Pradesh WRD informed that their number of dams have been revised down to 26 and works are progressing on 22 dams. The rehabilitation works for the remaining 4 dams will be awarded by February, 2017.
- V. Tamil Nadu WRD informed that works have been awarded for 68 dams out of 69 dams and works for the balance dam (Peechiparai) will be awarded by February, 2017.
- VI. Karnataka WRD informed that works have been awarded for 18 dams out of 22 dams and works for the balance dams will be awarded by February, 2017.
- VII. TANGEDCO assured that priority projects are being taken up. The works on 19

dams have been awarded. TANGEDCO representative also informed that works for the desiltation work of two dams costing Rs. 50 Crore are in advanced stage of evaluation and will be awarded by 15th February, 2017. Chairman expressed concern over slow progress by TANGEDCO and asked the Project Director (DRIP) to consider transfer of the balance allocation of TANGEDCO to other IAs in case TANGEDCO is not able to award the balance works within the timelines. TANGEDCO representative stated that they are not receiving funds from the Govt. of Tamil Nadu for the works already executed under the project. Chairman asked the Project Director (DRIP) to immediately take up the matter with the Govt. of Tamil Nadu in consultation with the World Bank. Chairman also desired that Project Director DRIP, TTL and World Bank may discuss the matter with CMD, TANGEDCO at the earliest. He also advised that the matter may be taken up with the concerned States at the Government level.

VIII. UJVN Ltd. representatives informed the Committee that works have been awarded for Rs.72 Crore till date. However, tenders for few packages could not be awarded for want of timely approval for closure of Power House/Canal from regulatory authority. Process for inviting bids was restarted in October 2016. Now, after discussions with the World Bank & CPMU, works amounting to Rs. 76 Cr. shall be awarded by mid February 2017.

IX. KSEB representatives informed that rehabilitation works worth Rs. 62 Crore have been awarded and works amounting Rs. 26 Crore will be awarded by the end of February 2017.

2. **HIGH VALUE PROJECTS STATUS**

During the discussions on the 26 high-value dam projects, following was observed:

- a. Contract packages have been awarded for 20 dams out of the 26 high-value project dams (77%).
- b. The amount of work awarded for these dams is Rs. 615 Cr, which is 43% of the targeted expenditure. Though NITs for works costing Rs. 213 Cr. have been issued, NITs for balance Rs. 617 Cr. are to be expedited so that they are concluded within the DRIP completion timeline of 30 June, 2018.

Chairman also desired the information in a tabular form on physical and financial progress on each of these high value projects to be presented in all future meetings of NLSC.

3. **HIRAKUD ADDITIONAL SPILLWAY**

The Principal Secretary WRD, Odisha informed that the issues related with R&R and land acquisition for the construction of additional spillway at Hirakud dam is pending in the High Court and is listed today for hearing. Further, he stated that they are expecting a favorable decision from the High Court on land vacation shortly. Commissioner (CAD) enquired about the readiness of other preliminary works (like model studies and material investigations) connected with construction of additional spillway and suggested that these necessary actions immediately be taken up by the WRD, Odisha so that work can be completed in time.

The Project Director (DRIP) informed the Committee that minimum time to execute this component is approximately 30 months. Therefore, keeping in view of project timelines, Odisha WRD needs to resolve the issue at the earliest. It was also mentioned that Odisha WRD has to take necessary action for hiring an independent design consultant for reviewing the construction drawings and supervise the work. The CPMU has shared all details related to consultancy proposal with SPMU Odisha in this context.

The Chairman shared his concern regarding awarding of work latest by June 2017 to ensure its completion in the extended time period of DRIP, which is expected to be agreed by the DEA, Ministry of Finance and the World Bank.

4. **DRIP BUDGET STATUS**

Total expenditure as on December, 2016 is Rs. 566 Cr. Chairman noted with concern the slow expenditure under the project and advised the DRIP IAs to award the remaining works as early as possible, so that financial disbursement can pick up. Project Director (DRIP) informed that the approved Project Screening Templates (PSTs) cost of 217 dams in 9 IAs now stands at Rs. 2655 Cr. against a total provision of Rs.1610 Cr towards the first component (i.e. rehabilitation cost). They further stated that revised cost proposal is pending from Odisha, Karnataka, Tamil Nadu WRD, TANGEDCO and requested these agencies to submit the updated proposal at the earliest, so that further necessary action in this regard can be initiated.

Regarding financial progress, Joint Secretary and Financial Advisor (JS&FA) added that the financial disbursement to consultant is not in line with disbursement with physical works by all IAs. It was clarified that disbursement by SPMUs is not linked in anyway with financial progress of IAs.

Mr. Jun Jmatsumoto, Task Team Leader, DRIP, the World Bank stated that World Bank

alongwith CPMU may review the status of awarded work either in the end of February 2017 or during the next World Bank Review and Implementation Support Mission (WBRISM) and may accordingly decide further course of action in this matter.

5. **3rd PARTY CONSTRUCTION SUPERVISION OF DRIP DAMS**

Committee was informed about the third party construction visits carried out routinely (at least once every three months) to ensure proper construction techniques and compliance with proposed scope of rehabilitation efforts. Till date, 407 construction site visits have been completed for 129 dams by the DRIP Consultant. Third Party Quality Control laboratory tests have been completed for 18 dams in Odisha, 3 in Madhya Pradesh, 8 in Kerala and 25 in Tamil Nadu.

In reply to a specific query from the Commissioner (CAD), the Consultant informed that barring a few cases, the quality of rehabilitation works witnessed during the construction site visits is acceptable. Further, Chairman stressed that inspection visits to high value projects be undertaken immediately. Regarding progress, Chairman desired that consultant shall come up with GANTT Charts in next meeting to show the physical and financial progress at all dams. The big mismatch between physical and financial progress for all dam projects needs to be reduced to a minimum.

6. **PREPARATION OF MANUALS AND GUIDELINES**

Commissioner (CAD) stressed on deliverables by consultant on preparation of Guidelines and Manuals which are required to be expedited and their submission to be fast tracked to put them for their effective use before the end of the Consultancy Contract. A time schedule may be prepared for monitoring the progress.

7. **PARTICIPATION OF ACADEMIC INSTITUTIONS**

Project Director (DRIP) informed the Committee that the proposals for capacity building in dam safety of two academic and research institutes, namely IIT Madras and IISc, Bengaluru for Rs.5.92 Crore and Rs. 7.47 Crore respectively have been approved by the Ministry. Further actions regarding signing of the MOU between these institutes and release of payments are under process.

8. **SEISMIC INSTRUMENTATION**

Project Director informed the Committee that during the last World Bank Support Review and Implementation Mission held in October 2016, World Bank desired that CPMU shall take a lead for ensuring better quality, bankable instrumentation agencies for successful

implementation of this activity. In order to achieve this, CWC shall empanel reliable agencies working in the field of instrumentation of dams through EOI so that IAs can directly request these agencies to submit the financial bids for instrumentation. It will save time and process will be smoothened, at the same time desired objectives can be achieved. In this regard, he informed that CPMU is finalizing technical specifications of dam instruments and developing a model procurement document for instrumentation, and is under process for empanelment of agencies.

EOI for empanelling the Agencies for supplying, operationalising, data collection, storage, transfer, analysis and operation and maintenance of dam instruments has been prepared and would be sent to the World Bank for NOL and then proposal will be submitted to MoWR, RD&GR for approval. He also informed that technical specifications of various equipments necessary for the health monitoring of the dams is very advanced stage of finalization. Guidelines on "Instrumentation of Large dams" is also in an advanced stage.

9. **TIME EXTENSION OF THE PROJECT**

Project Director (DRIP) informed proposal for time extension by two years duly concurred by MoWR, RD&GR has been submitted to DEA for further necessary action.

10. **INUNDATION MAPPING AND EMERGENCY ACTION PLANS (EAPs)**

Progress on the preparation of emergency action planning of DRIP dams was also discussed during the meeting. It was informed that Tier-I Reports along with inundation maps have been prepared for 47 dams (MP-8, OR-15, TN-17, KL-6 & DVC-1) by CPMU and the works is in progress for 11 more dams. Works on flood hazard maps for 12 additional dams are currently being prepared.

Model document of EAP for Hirakud dam has been prepared and the same is being circulated to all IAs for further circulation to all concerned dam authorities for their help in preparation to their own EAPs. State IAs have started preparing the Emergency Action Plan (EAP) using the templates available in the Emergency Action Planning of dams published by the CWC.

Secretary, Water Resources Department, Karnataka desired assistance from CWC in imparting the training to engineers in Karnataka on Dam Break Analysis and EAP. Project Director (DRIP) informed that such trainings were organized earlier in the DRIP States and more trainings will be organized in the DRIP States based on the requirement and request from the IAs. He further advised Karnataka WRD, as Karnataka WRD is under process of hiring independent Consultant for preparation of EAPs for 7 dams, and IISc Bengaluru for 5 dams, therefore it

would be useful for Karnataka WRD to include enough number of trainings in the scope of Consultant and IISc Bengaluru. Since IISc Bengaluru is official partner of DRIP, WRD Karnataka may approach to IISc for organizing these trainings in addition to support from CPMU.

11. COMPREHENSIVE QUANTITATIVE RISK ASSESSMENT STUDY

It was informed to the Committee that Dam Portfolio Risk Assessment of few select dams is one of the agreed activities under Dam Safety Institutional Strengthening (Component-2) of DRIP. In this context CPMU invited the proposals from two leading global agencies i.e. USBR, USA and Alpiq, Switzerland in December 2016. Both the agencies have responded positively. Chairman directed Project Director (DRIP) to expedite the early submission of proposals from both these agencies.

12. ISSUES RELATED WITH CPMU CONSULTANCY

Project Director (DRIP) informed the Committee that a consolidated proposal for reallocation of man-months for both International and National experts till June, 2018 has been sent to the World Bank for No-Objection in order to avoid piecemeal processing of cases of mobilization of individual experts. There is no violation of financial limit up to June 2018. The additional requirement of budget for consultancy in case project period is further extended by two years shall be taken at appropriate time at the stage of cost revision of DRIP.

13. INSTITUTIONAL STRENGTHENING

Feedback regarding various national trainings and earlier two international trainings at Deltares and USBR was enquired by Joint Secretary (PP), MoWR,RD&GR. General consensus was that the exposure to new ways of monitoring the health of dams and preparing for the dam safety shall go a long way in ensuring dam safety. Chairman suggested all IAs to send proposals at the earliest for two more batches without any further delay to CWC. Chairman also emphasized on the role of the trained officers to act as trainers for their colleagues to have greater impact of these trainings.

Consultant suggested that contractor's engineers should also be encouraged to join the training sessions arranged by CPMU to improve the capacity of the contractors and benefit of training percolates to the actual engineers working on the rehabilitation of the dams.

Principal Secretary, WRD, Odisha requested CWC to help to prepare the framework for institutional strengthening of Dam Safety Organisation of Odisha. Commissioner (CAD)

expressed the need for early inputs from the States on the Draft Dam Safety Bill 2016, as the Bill intends proper surveillance, operation and maintenance of dams and provides for empowered dam safety institutional arrangements. Chairman, CWC assured the Principal Secretary, Odisha WRD that CWC will provide all necessary support to Odisha in this respect.

Managing Director, UJVNL informed that the ***THIRD NATIONAL DAM SAFETY CONFERENCE*** is being organized during February 18th-19th, 2017 at IIT Roorkee in collaboration with IIT Roorkee and CWC. UJVNL requested all the DRIP IAs and officials of MoWR, RD&GR to kindly participate in the Conference.

Meeting ended with a vote of thanks to the Chair.

List of Participants of the 5th Meeting of National Level Steering Committee for Dam Rehabilitation and Improvement Project (DRIP) on 12.01.2017

MINISTRY OF WR,RD & GR

Dr. Amarjit Singh	Secretary (WR,RD&GR)/Chairman of NLSC for DRIP
Shri Sanjay Kundu	JS(PP&PR)
Shri Jagmohan Gupta	JS&FA
Dr. BRK Pillai	Commissioner(CAD)
Shri Manish Tripathi	Director (Finance)
Shri Satish Kumar Kamboj	Senior Joint Commissioner (Pen. Riv.)
Shri Manoj Kumar Sharvar	Under Secretary (Pen.Riv.)

DEPARTMENT OF ECONOMIC AFFAIRS

Shri S.C. Srivastav	Under Secretary (MI)
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CENTRAL WATER COMMISSION

Shri G.S. Jha	Chairman (CWC)
Shri N.K. Mathur	Chief Engineer, DSO, CWC
Shri Pramod Narayan	Director (DRIP)
Shri Manoj Kumar	Dy. Director, DSR, CWC
Shri Mayank Singh Chetan,	Dy. Director, DSR DTE, CWC
Shri BikramKeshareePatra	Assistant Director, CWC

WORLD BANK

Mr. Jun Matsumoto	Team Leader, World Bank
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STATES / IMPLEMENTING AGENCIES

Shri Pradeep Jena	Principal Secretary (WRD), Odisha
Shri GurupadaSwamy	Secretary, WRD, Karnataka
Shri S.N. Verma	Managing Director, UJVNL
Shri Suresh Chandra Baluni	General Manager, UJVNL
Shri T. Asokan	Chief Engineer(O&M), WRD, Tamil Nadu
Shri C. Ramesh	Chief Engineer(Civil Designs), TANGEDCO
Shri R. Anil Kumar	Chief Engineer (Dam Safety), KSEB
Shri T.G. Sen,	Chief engineer(I.D.R.B)., Kerala)
Shri Y.C. Sharma	Director(DRIP), WRD, Madhya Pradesh
Shri K.H. Shamsudin	Director(SPMU), Kerala WRD)
Shri Rajeev S.	Director General (KSEB)
Shri SandeepSingha	Director (Project) UJVNL
Shri S.B. Pandey	Deputy Chief engineer(C), DVC
Shri Pankaj Kumar	Assistant Engineer, UJVNL
Shri Dharmendra Singh	Executive Engineer, UJVNL
Shri P. Gunasekaran	Executive Engineer, WRD, Tamil Nadu
Shri Madhava	Superintendent Engineer &Project Director (WRD) Karnataka

Shri B. Sankar Raman
Shri A. Madhavan
Shri Samir Kumar Sinha
Shri Vijaya Kumar
Shri SanjeevLahani

Superintendent Engineer, TANGEDCO
Superintendent Engineer, WRD, Tamil Nadu
Executive Director, DVC
P.G, WRD, Kerala.
Nodal Officer DRIP, UJVNL

CONSULTANT

Dr. David Froehlich
Shri Vinod Kumar Kapoor
Mr. Edward Flint
Shri Vinod Kr. Verma
Shri PremAggarwal
Mr. Tom Kendall

Team Leader, EGIS
DTL(EGIS), Consultant
Dam Safety Specialist(EGIS,EaG)
Dam Safety Specialist (EGIS, Consultant)
Procurement Specialist (EGIS/CPMU)