

## **Minutes of the Fourth meeting of Sub-Committee for Comprehensive evaluation of various studies / reports available on issue of ILR held on 30.06.2015 at New Delhi.**

The fourth meeting of the Sub-Committee for comprehensive evaluation of various studies / reports available on issue of ILR was held on 30.6.2015 at New Delhi under the Chairmanship of Shri B.N. Navalawala, Chief Advisor, MoWR,RD&GR. The list of participants who attended the meeting is given at **Annex – I**.

Chairman at the outset welcomed the members and participants and in the absence of Secretary requested Director General, NWDA to take up the agenda item. Gist of important issues discussed is furnished below.

### **Item No. 4.1 Confirmation of the Minutes of the Third Combined meeting held on 07.04.2015 in New Delhi**

The minutes of the third combined meeting of (i) Sub-Committee for comprehensive evaluation of various studies / reports available on issue of ILR [ Sub Committee – I] and (ii) Sub-Committee for System Studies for identification of most appropriate alternative plan [Sub Committee – II] held on 07.04.2015 at New Delhi circulated to all the members vide letter dated April 17, 2015 were confirmed.

### **Item No.4.2 Extension of tenure of the Sub-Committee**

Director General, NWDA informed that the terms of reference of the Sub Committee I were quite wide ranging. Three meetings of both the Sub-Committees have been held. The tenure of this Sub-Committee would expire by 12<sup>th</sup> August 2015. However, still lot of works remains to be done by both the Sub-Committees. The work of Sub Committee - I could not progress due to non availability of consultants / experts. In fact Sub-Committee – II has specifically recommended for the engagement of 8 experts as consultants to carryout various tasks under its domain. The experts / consultants are yet to be engaged for this purpose. As such the tenure of the Sub-Committee I needs to be extended, at least for six months.

The issue of extension of time limit of Sub-Committees as proposed was duly deliberated by the members. The Chairman of the Sub-Committee also fully agreed with the need for further extension of time on the above lines. Based on the suggestions of members it was agreed to recommend extension of time for Sub-Committee – I by six months for the consideration and approval of the Special Committee.

#### **Item No. 4.3 Expansion of Sub-Committee – inclusion of the Representatives from other Departments / Ministries.**

Director General, NWDA informed the Sub-Committee that as decided in the 2<sup>nd</sup> meeting of the Sub-Committee held on 11<sup>th</sup> March 2015 NWDA taken up the matter with Ministry of Water Resources, RD&GR for inclusion the representatives of the following Ministries / Departments.

- (i) Ministry of Environment, Forest & Climate Change (MoEF&CC)
- (ii) Ministry of Agriculture
- (iii) Ministry of Tribal Affairs (MoTA)
- (iv) Ministry of Finance (MoF)
- (v) Central Electricity Authority (CEA)
- (vi) Central Water Commission (CWC) and
- (vii) Niti Ayog

MoWR, RD&GR took up the matter with concerned ministries / departments. The nomination of members from CEA, CWC, NITI Ayog and Ministry of Agriculture has been received. The details of nominations are given below.

- (i) Shri P.K. Shukla, Director CEA
- (ii) Shri R.K.Jain, Chief Engineer(BPMO) and Shri Vinay Kumar, CE(HSO), CWC.
- (iii) Shri A.K. Gautam, Advisor(WR), Niti Ayog
- (iv) Shri Raghavendra Singh, Additional Secretary, Deptt. Of Agriculture and co-operation, Ministry of Agriculture

It was decided that all the nominated members will be invited to participate in the next meeting of the Sub-Committee. This was noted by the Sub-Committee.

#### **Item No. 4.4 Presentation covering the Guidelines of Technical Advisory Committee (TAC) of NWDA and procedure of working out the water balance / deficit in the river basin.**

Shri N.C. Jain, Director (Technical), NWDA made a presentation on the Guidelines of Technical Advisory Committee (TAC) of NWDA as decided in its various meetings. The methodology of working of delta for estimating water requirement for major and medium projects on climatological approach, considering the maximum

culturable command area, computation of water yield, regeneration of water, water availability, ground water etc were presented. Regarding the water balance studies it was mentioned that the guidelines provide the following:

*“The water balance study of the NWDA may project water availability at both 75% and 50% dependability. However, the proposed schemes should provide for a 75% success rate”.*

Various members of Sub-Committee gave their views:

Chairman enquired whether this TAC was different from the TAC of MoWR, RD&GR. Director General, NWDA clarified that the purpose of TAC of NWDA was to provide guidance to NWDA while conducting various studies and preparation of reports. It did not cover technical appraisal of the water resources projects. Members of the Sub-Committee gave their views.

Chairman enquired about dependability criteria for planning of water resources projects. Shri A.D. Mohile former Chairman, CWC mentioned that the success rate of dependability criteria may be different for water supply projects of metropolitan cities and for drought condition it may be taken as 50% dependability as per Govt. of India guidelines. Shri A.D. Bhardwaj, former Member, CWC mentioned that there are already guidelines for preparation of Detailed Project Report adopted by NWDA which are at par with the Guidelines prepared for the same purpose by MoWR in 2010. Shri A.C. Tyagi, Secretary General, ICID was also of the view that further dependability criteria of 75% success rate needed to be reviewed for various conditions of drought etc. Shri S.N. Huddar, Former Secretary (WRD), Govt. of Maharashtra mentioned that at present the approved criteria for the proposed Water Resources Projects was of 75% success rate.

Shri A.D. Mohile while discussing on the provisions of guidelines of TAC which states: *“While presenting the requirements of projects present within sub-basins and basins, the allocations indicated by the awards / agreements will be retained in the studies without any change”* mentioned that in the Godavari Water Dispute Tribunal (GWDT) Award it is clearly mentioned that after hydropower generation at Inchampalli power house, Andhra Pradesh can use water in any manner. As such if the provisions given in the GWDT Award is considered there will not be any water left for diversion to further south. Therefore, there is a need for review / revision of these provision of the TAC guidelines.

Regarding the provision in the guidelines *“The yield studies carried by using the rainfall-runoff correlations taking monsoon months as a whole would be continued by the NWDA at present. Wherever monthly rainfall-runoff correlations are obtained by the NWDA for any sub-basin, multiple correlations should be considered”* it was observed

that there is a need to use the latest modeling technology for computing the yield / runoff and also a comparative analysis may be done in certain cases with existing practice.

It was decided that the members may give their views regarding the review of the criteria for hydrological studies and provisions in the GWDT award with regard to existing agreements for consideration of the Sub-Committee. It was also decided that the members may please ensure that the views are conveyed within a fortnight.

**Item No. 4.5 Any other item with the permission of the Chair**

Nil

The meeting ended with a vote of thanks to the chair.

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**Annex – I**

**List of Participants of the Fourth meeting of the Sub-Committee for comprehensive evaluation of various studies / reports available on issue of ILR held on 30.6.2015 at New Delhi.**

S.No.	Name and Designation	
1	Shri B.N. Navalawala Chief Advisor, MoWR,RD&GR	Chairman
2	Shri A.D. Mohile Former Chairman, CWC	Member
3.	Shri A.C. Tyagi Secreary General, ICID	Member
4.	Shri S.N. Huddar Former Secretary (WRD), Govt. of Maharashtra	Member
5.	Shri A.D. Bhardwaj Former DG, NWDA & Former Member, CWC	Member
6.	Prof. Samar K. Dutta (Retd) IIM, Ahmedabad	Member
<b>Special Invitee:</b>		
7	Shri S. Masood Husain Director General, NWDA	
8.	Shri N.C. Jain Director (Tech), NWDA	
9.	Shri O.P.S. Kushwah Superintending Engineer, NWDA	