

## **Minutes of the fifth (5<sup>th</sup>) meeting of the Sub-Committee for system studies for identification of most appropriate alternative plans held on 28.07.2015 at New Delhi.**

The fifth meeting of the Sub-Committee for system studies for identification of most appropriate alternative plans was held on 28.07.2015 at New Delhi under the Chairmanship of Prof. P. B. S. Sarma. Chairman of the Sub-Committee welcomed all the participants. The list of participants who attended the meeting is given at Annex.-I.

Chairman of the Sub- Committee requested the member Secretary to take up the Agenda item for discussion.

Following is the item wise summary of the discussion held and decisions taken in the meeting.

### **Item 5.1 Confirmation of the Minutes of 4<sup>th</sup> Meeting of the Sub-Committee held on 11.05.2015.**

It was informed that the Minutes of the 4<sup>th</sup> Meeting of the Sub-Committee on system studies for identification of most appropriate alternative plan held on 11.05.2015 were circulated to all the members vide letter dated 19.05.2015. No Comments have been received from any of the members. The Minutes of the 4<sup>th</sup> Meeting of the Sub-Committee was confirmed as circulated.

### **Item 5.2 Follow up action on decisions taken during the 4<sup>th</sup> meeting of the Sub - Committee**

#### *Presentation on Mahanadi-Godavari Link*

A presentation covering the details of original Mahanadi-Godavari link along with two Alternatives (A) and (B) was made to the Sub – Committee during the last meeting held on 11.05.2015.

A presentation on the revised proposal by proposing a dam at Barmul instead of Barrage was made in the meeting by Chief Engineer (HQ), NWDA. It was also informed that a team of senior officers of MoWR, RD&GR made a presentation of the above proposal before the Hon'ble Chief Minister of Odisha on 29.5.2015 and their official response is awaited. However during 5<sup>th</sup> meeting of Special Committee held on 13.07.2015, Principal Secretary, WRD, Government of Odisha has raised reservation on water balance of Mahanadi basin up to proposed Manibhadra dam.

It was decided that the observations of Odisha Government on Mahanadi-Godavari link be presented in the next meeting by the representatives of Government of Odisha, who may be invited by the Sub-Committee for this purpose. Shri Sriram Vedire, Advisor, Ministry of WR,RD& GR suggested that NWDA may inform the

Odisha Govt. about the urgency of the matter as desired by the Supreme Court of India.

It was also decided that System simulation Studies of Mahanadi-Godavari link may be completed within three months by engaging the reputed institutes viz: NIH, IITs etc.

On a query from Chairman of Sub-Committee, Director (Technical), NWDA explained that shifting of alignment of Mahanadi-Godavari to western side (to connect the link canal to a point nearer to Inchampalli instead of at Dawleswaram as proposed), was not possible due to the topographical constraints. The Chairman desired that a note, clearly indicating the details of pros and cons for such a link, may be submitted to the Sub-committee in the next meeting.

*Presentation on Links between Godavari and Krishna Rivers.*

As decided in the last meeting, a presentation was made by Chief Engineer (South), NWDA covering the link projects between Godavari and Krishna rivers.

It was informed by the Chief Engineer (South), NWDA, Hyderabad that as per the Peninsular Component of the National Perspective Plan, Godavari and Krishna rivers are proposed to be connected with three links;

- (i) Inchampalli – Nagarjunasagar link
- (ii) Inchampalli – Pulichintala link
- (iii) Polavaram – Vijayawada link

Chief Engineer (South), NWDA further mentioned that Inchampalli – Nagarjunasagar link is a major carrier of diversion of water to the Krishna River and beyond. About 16426 MCM of water is proposed to be diverted through this link and the benefits enroute will be in the State of Telangana. Inchampalli – Pulichintala link will divert about 3900 MCM of water for enroute utilisations in the Godavari and Krishna basins. Polavaram – Vijayawada link is a part of Polavaram project is now being implemented by the Government of Andhra Pradesh as per their own planning.

Shri Sriram Vedire, Advisor, Ministry of WR, RD & GR observed that NWDA had prepared the Feasibility Report (FR) of Inchampalli - Nagarjunasagar and Inchampalli-Pulichintala links in the year 2005 i.e. before bifurcation of Andhra Pradesh State. Thus issues and concerns of the Telangana State about these link proposals have not been duly taken care of. Further, the data used in the study is quite old (2005) therefore, the water balance studies of Godavari basin upto proposed Inchampalli dam site need to be updated.

Only, thereafter, the link system can be taken up for further examination by Sub-Committee. It was decided that NWDA should revise these studies preferable by November, 2015.

### **Item 5.3 Presentation on Manas-Sankosh-Teesta-Ganga link**

Director General, NWDA explained the need and importance of Manas-Sankosh-Teesta-Ganga link for augmenting water to Mahanadi-Godavari- Krishna-Pennar-Cauvery-Vaigai-Gundar link system.

A presentation on the planning and status of preparation of Feasibility Report of Manas-Sankosh-Teesta-Ganga (MSTG) Link was made by Chief Engineer (HQ), NWDA during the meeting. It was explained that this link canal envisages diversion of the surplus water balance in Manas and Sankosh rivers with supplementation from intermediate Streams viz; Aie, Torsa, Raidak, Jaldhaka are proposed for augmenting flow of Ganga at Farakka and for further diversion to water short areas of Krishna, Pennar, Cauvery, Vaigai and Gundar basins through a series of links i.e. Ganga – Damodar - Subernrekha and Subernrekha - Mahanadi links. After enroute utilisation about 13965 MCM of water will be available at Mahanadi for diversion to further south.

It was informed that Pre feasibility Report of MSTG link was completed in 1996 and the Feasibility Report (FR) as per the original alignment could not be completed as Manas-Sankosh-Teesta link is passing through Manas Tiger Reserve, Buxa Tiger Reserve and other forests. Considering practical difficulties for surveys and investigation in these reaches NWDA has carried out alternate alignment studies avoiding various reserved forest with about 80m lift. The Feasibility Report of the Manas-Sankosh-Teesta-Ganga link is under preparation and is scheduled to be completed by December, 2015.

### **Item 5.4 Extension of tenure of the Sub Committee –II, for system studies for identification of most appropriate alternative Plan – Approval by Special Committee**

The Committee was informed that the matter of extension of time limit was considered by the Special Committee for ILR in the Meeting held on 13.07.2015 and it was decided to extend the tenure of the Sub-Committee for another six months i.e. up to 12<sup>th</sup> February, 2016. Sub- Committee noted the information.

### **Item 5.5 Engaging Consultants for carryout the work of the Sub-Committee**

It was informed that Secretary (WR, RD & GR) has given approval for engaging the Consultants for the work of the Sub-Committees and Task Force. The Selection of individual Consultants will be done following rules and procedure as per General Financial Rules 2005. The engagement of Consultant is being processed in NWDA.

After details deliberations following recommendations/conclusion have emerged.

1. A note on Mahanadi-Godavari link proposal consisting of original alignment, alternatives (A) & (B) and revised alignment with a dam at Barmul be prepared and comparative analysis be made and presented to the Sub –Committee in the next meeting.
2. The observations of Odisha Government on Mahanadi-Godavari link be presented in the next meeting by the representatives of Government of Odisha, who may be invited by the Sub-Committee for this purpose.
3. System simulation studies of Mahanadi-Godavari link may be completed within three months by engaging a reputed institute.
4. Water Balance Studies of Godavari basin revised considering the latest available data by November, 2015.
5. A note on shifting of alignment of Mahanadi-Godavari to western side to connect the link canal to a point nearer to Inchampalli instead of at Dawleswaram as proposed, clearly indicating the details of pros and cons for such a link, may be submitted to the Sub-committee in the next meeting.
6. The possibility of more water utilisation in Telangana State through Inchampalli-Nagarjunasagar link to be explored.
7. The required consultants may be engaged at the earliest.
8. The various IITs, IISC, and NIH Roorkee may be approached for carrying out the requisite special system studies
9. Next meeting of the Sub-Committee may be held on the 21<sup>st</sup> of August, 2015.

**Item 5.6 Any other item with the permission of the Chair**

**- NIL -**

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

\*\*\*

**Participants of the fifth (5<sup>th</sup>) meeting of the Sub-Committee for system studies for identification of most appropriate alternative plan held on 28.07.2015 at New Delhi.**

- |   |                  |
|---|------------------|
| 1. Prof. P. B. S. Sarma (Retd.),<br>CED, IIT, Delhi | Chairman         |
| 2. Prof. Kamta Prasad,<br>Chairman, IRMED,<br>Delhi | Member           |
| 3. Prof. Sanjeev Kapoor,<br>IIM, Lucknow            | Member           |
| 4. Shri M. Illangovan,<br>Retd. Chief Engineer, CWC | Member           |
| 5. Shri Sriram Vedire,<br>Advisor, MoWR, RD & GR    | Member           |
| 6. Shri N. C. Jain,<br>Director (Technical), NWDA   | Member-Secretary |

**NWDA Officials**

7. Shri S. Masood Husain,  
Director General, NWDA.
8. Shri M.K.Srinivas,  
Chief Engineer (South),  
NWDA, Hyderabad
9. Shri R.K.Jain  
Chief Engineer (HQs)  
NWDA, New Delhi
10. Shri O.P.S.Kushwah  
Superintending Engineer,  
NWDA, New Delhi
11. Shri K. P. Gupta,  
Superintending Engineer,  
NWDA, New Delhi
12. Shri Nizam Ali  
Consultant (Tech.)  
NWDA, New Delhi