

**MINUTES OF THE SECOND MEETING OF THE JOINT  
TEAM OF EXPERTS (JTE) OF NEPAL AND INDIA ON  
SAPTA KOSI HIGH DAM MULTIPURPOSE PROJECT  
(NEPAL) HELD IN KATHMANDU, NEPAL ON  
JANUARY 7-9, 1997**

1.0 The Second Meeting of the Joint Team of Experts (JTE) on the Sapta Kosi High Dam Multipurpose Project was convened in Kathmandu, Nepal on January 7-9, 1997. The Indian Team was led by Mr. Ramesh Chandra, Chairman, Central Water Commission, Government of India (GOI) and the Nepalese Team by Dr. Anand Bahadur Thapa, Executive Director, Water and Energy Commission Secretariat (WECS), His Majesty's Government of Nepal (HMGN).

The list of participants from both the sides is attached herewith.

2.0 Dr. A.B. Thapa, the Leader of Nepalese Team, extended a warm welcome to the Indian delegation and made a brief speech on the importance of utilizing the water resources of the Kosi River for the benefits of both Nepal and India. Mr. Ramesh Chandra, the Leader of the Indian Team, emphasized the need to finalize the revised Inception Report, modalities and details of investigation and establish the Joint Project Office as envisaged earlier.

3.0 The Revised Inception Report for the Joint Investigation/Studies on the Sapta Kosi High Dam Multipurpose Project dated August, 1994 prepared by the Nepalese side, was discussed in detail and the following understandings were reached:

3.1 Dam planning is an important component of the river basin planning and development and hence, needs to be done in a comprehensive manner.

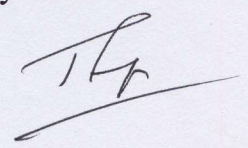
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Hence, it was agreed that detailed studies leading to Detailed Project Report (DPR) shall be carried out concurrently for the Sapta Kosi High Dam Project with the dam site at Barahkshetra along with the Sun Kosi High Dam Project with the dam site at Kurule for diverting water to the Kamala river for power generation and irrigation in Nepal Terai extending from Birgunj in the west to the Kosi river in the east, to the extent possible and adjoining region in India in the south.

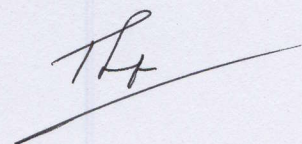
- 3.2 The detailed feasibility study for developing inland navigation from Chatara up to the confluence of the Kosi River with the Ganges River using natural course of the Kosi River and also a canal that could be used concurrently for irrigation and power generation, shall be carried out. Economic study of this waterway shall also include India's National Waterway No. 1 extending from Allahabad to Haldia seaport.
- 3.3 The detailed flood control benefits study of the Sapta Kosi High Dam Project and the Sun Kosi High Dam Project shall be carried out. Such flood control benefits shall be assessed by way of potential benefits due to lowering of flood water level by flood cushion in the reservoir and/or regulation of water storage in the reservoirs.
- 3.4 During the preparation of Detailed Project Report (DPR), net power benefit shall be assessed on the basis of, inter alia, saving in costs to the beneficiaries as compared with the relevant alternatives available.
- 3.5 The potential irrigation benefits to both Nepal and India shall include irrigation benefits accruing from incremental production resulting from augmented flows in existing irrigation systems and irrigation benefits accruing from the development of new irrigation water supply systems to cover additional areas.

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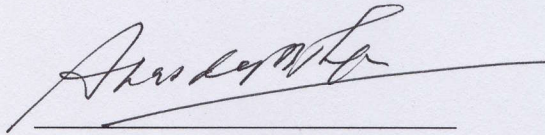
- 4.0 In accordance with the principles agreed in items 3.1, 3.2, 3.3, 3.4 and 3.5 above, the Inception Report will be revised by the Nepalese side and sent to the Indian side at the earliest for comments and acceptance. The agreed Inception Report will be the guiding document for the Project Team.
- 5.0 Regarding institutional arrangements, a Project Team consisting of a team of Nepalese and Indian personnel for field investigation and preparation of Detailed Project Report shall be constituted. Each side will nominate their respective Team Leader. The Team Leaders, after site inspection, shall jointly workout the composition of the Project Team and also the cost estimate for the investigation and studies in accordance with the scope of works. The Ministry of Water Resources, HMGN shall send a proposal to the GOI for project and per diem allowances to be paid to the Nepalese staff deputed to the Project Team and the same shall be considered and included in the cost estimate. The composition of the Project Team and the cost estimate shall be put up in the next JTE meeting for finalization and approval. The JTE shall supervise and monitor the execution of the study. It was also agreed that meetings of JTE shall be held frequently during the investigation and studies.
- 6.0 The cost of the investigation and studies for the preparation of DPR including the cost of JTE meetings shall be borne by GOI in the form of grant assistance. The two sides agreed to take further action as per the established procedure, immediately, so as to begin the work at the earliest.
- 7.0 Regarding opening of Kosi Project Office, both sides agreed to open a Head Office either at Biratnagar or Dharan, Divisional Offices at Biratnagar (in case the Head Office is located at Dharan), Janakpur, Katari and Chatara, Field Offices at Kurule and Chisapani and Liaison Office at Kathmandu.

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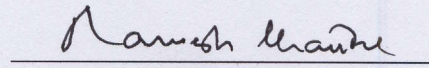


- 8.0 Regarding the Kamala and the Bagmati projects, the Nepalese side agreed to furnish the information on existing projects and studies carried out in the past within one month to the Indian side.
- 9.0 The meeting was conducted in a cordial and friendly atmosphere and the leaders of both the teams exchanged pleasantries and thanked each other.

Signed at Kathmandu on January 9, 1997.



A.B. Thapa  
Executive Director  
Water & Energy Commission Secretariat  
HMGN



Ramesh Chandra  
Chairman  
Central Water Commission  
GOI

### *List of Participants*

<b>Indian Team</b>		<b>Nepalese Team</b>	
1	Mr. R. Chandra Chairman Central Water Commission GOI	1	Dr. A.B.. Thapa Executive Director Water and Energy Commission Secretariat, HMGN
2	Mr. R. Singh Member, Hydro Central Electricity Authority, GOI	2	Mr. S.N. Poudyal Deputy Director General Department of Irrigation, HMGN
3	Mr. N.V.V. Char Commissioner (ER) Ministry of Water Resources, GOI	3	Dr. K.B. Aryal Deputy Director General Electricity Development Centre, HMGN
4	Mr. D. Gupta Secretary, WRD Government of Bihar, India	4	Mr. A. P. Pokhrel Deputy Director General Department of Hydrology and Meteorology, HMGN
5	Mr. S.N. Jha Engineer in Chief Government of Bihar, India	5	Mr. L.M. Singh Superintending Engineer Electricity Development Centre, HMGN
6	Mr. V.K. Mathur Chief Engineer CWC, GOI	6	Mr. S.K. Malla Senior Divisional Engineer Electricity Development Centre, HMGN
7	Dr. M. Mohta First Secretary Indian Embassy, Kathmandu	7	Dr. J. Jha Joint Director Nepal Electricity Authority
8	Mr. K. Anshumali Liaison Officer Kosi Project	8	Mr. U. Yadav Senior Divisional Engineer Water and Energy Commission Secretariat, HMGN
		9	Mr. K.N. Shrestha Under Secretary Ministry of Foreign Affairs, HMGN