

**MINUTES OF THE FIFTH MEETING OF NEPAL-INDIA JOINT COMMITTEE
ON INUNDATION AND FLOOD MANAGEMENT [JCIFM]**

(June 18-23, 2011)

The fifth meeting of Nepal-India Joint Committee on Inundation and Flood Management (JCIFM) was held during June 18-23, 2011. The Indian delegation was led by Mr. S. Masood Husain, Member (Coordination), Ganga Flood Control Commission (GFCC), Government of India and the Nepalese delegation was led by Mr. K. P. Regmi, Director General of the Department of Water Induced Disaster Prevention (DWIDP), Government of Nepal. The Nepalese delegation welcomed the Indian delegation at Janakpur, Dhanusha on June 18, 2011.

The meeting of the Committee at Kathmandu was preceded by joint field visits to the completed, ongoing and proposed embankments and flood protection works along the Kamala, Bagmati and Lalbakeya rivers. The list of participants of the meeting is at *Annex-1*.

EXTENSION OF EMBANKMENTS

A) FIELD VISIT OF ONGOING WORKS

A-1 Kamala River

The Committee carried out the field visit of the Kamala river on June 19, 2011. The Committee visited the right bank starting from Ch. 0.00 km to 5.50 km from the Nepal-India border and then proceeded upstream at Ch. 28.00 km through Siraha. Due to poor road conditions as a result of rains, detours were required along the way.

It was observed that the embankment work along the right bank from the border up to Ch. 5.50 km had already been completed. However, the main flow of Kamala river was along right embankment and may pose a threat to it during high flood. The Committee instructed that the main flow of the river be diverted by the appropriate use of porcupines. The Committee also instructed that the ongoing works be completed as per the contract schedule. The Committee reiterated its earlier decision that the construction of embankment should also be taken up on the Indian side to close the gap along both banks appropriately by Government of India or its designated agency.

The Committee thereafter proceeded towards the upstream part of the river where it noted that the river had formed two large loops on its right bank at Ch. 28.00 near the high land. Since it may not be possible to construct the embankment at this location following the looped river bank and local opposition, the Committee agreed to the proposal of the





Nepalese side to straighten the alignment near the loop. The Committee instructed that a detailed cost estimate be prepared for these works at the earliest. The emergent anti erosion works approved during the fourth meeting and to be completed before the onset of 2011 monsoon floods were found to be nearing completion. The Committee also instructed that all the ongoing works be completed as per the contract schedule.

A-II Bagmati River

The field visit to Bagmati took place on June 20, 2011. During the third meeting, the Committee had decided to approve the remaining four RBM work packages on the right bank totaling 20.32 km for which GOI contribution is NRs 4.52 crores including contingencies and excluding VAT. The Committee found that RBM works of the four work packages approved in the third meeting were nearing completion. The Committee observed that the emergent anti erosion works approved during the fourth meeting and to be completed before the onset of 2011 monsoon floods were nearing completion. The Committee instructed that all the ongoing works be completed as per the contract schedule.

A-III Lalbakeya River

The field visit to Lalbakeya embankment works took place on June 20, 2011. The Committee visited the works ongoing at Ch. 23.00 km of the right bank and proceeded downstream to Ch. 0.00 km. The ongoing works were found to be satisfactory. The Committee noted that the emergent anti erosion works approved during the fourth meeting and to be completed before the onset of 2011 monsoon floods were nearing completion. Some structures such as anti flood sluice at Nepal Eastern Canal (NEC) breach point and at Ch. 5.075 km were not completed yet. The Committee instructed that these works should be completed before the 2011 monsoon floods and also all ongoing works be completed as per the contract schedule.



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DECISIONS OF THE JOINT COMMITTEE ON INUNDATION & FLOOD MANAGEMENT (JCIFM)

B) ONGOING WORKS AND RELEASE OF FUNDS

B-I For Bagmati river

Ongoing Works

The Committee noted that the initial 50% of expenditure amount for four RBM work packages covering 20.32 km and amounting to NRs. 2.26 crore had already been released. Since the utilization certificates related to these works have been submitted, ~~the balance 50% of expenditure~~

~~is recommended to be released.~~

The emergent anti erosion works approved for implementation by the fourth meeting were observed to be nearing completion. The Committee ~~observed that the balance 50% of expenditure~~ ~~amounting to NRs. 3.483 crore.~~ It is further recommended that the utilization certificates of these works may be submitted to GFCC, Patna for processing of balance 50% amounting to NRs. 3.483 crore.

The Committee also decided that the tenders for Jhanj river put on hold as per the decision of the fourth meeting, should be continued to be kept on hold. The concerned contractors may be asked whether they are willing to wait for the final decision on the tenders by JCIFM in its sixth meeting. All contractors who are unwilling to wait may be released from all obligations.

B-II Work along the Lalbakeya river

Ongoing Works

During the fourth meeting of JCIFM, it was decided to extend embankment works by 9.5 km on left bank and 11.5 km on right bank for which the Gol contribution was NRs. 14.795 crore. The Committee noted that the initial 50% expenditure amount of NRs. 7.397 crore for this work had already been released. Since the utilization certificates related to these works have been submitted, ~~the balance 50% of expenditure~~

~~is recommended to be released.~~

The emergent anti erosion works approved for implementation by the fourth meeting were observed to be nearing completion. Hence the Committee ~~observed that the balance 50% of expenditure~~ ~~amounting to NRs. 2.813 crore.~~ It is further recommended that the utilization certificates of these works may be

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submitted to GFCC, Patna for processing the release of balance 50% amounting to NRs. 2.919 crore.

B-III Works to be carried out in Kamala river embankment

Ongoing Works

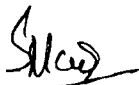
During the third meeting of JCIFM, it was decided that the embankment works totaling 13.47 km on the left bank and 13.85 km on the right bank may be extended on both banks so as to close all the gaps and tag with East-West highway. During the fourth meeting, the Committee approved tenders for these works for which the total Govt contribution including contingencies was NRs. 35.86 crore. The Committee recommended the release of 50% of this amount i.e. NRs. 17.93 crore as recommended by the fourth meeting and the same has already been released. Since the utilization certificates have already been submitted, [REDACTED]

The emergent anti erosion works approved for implementation during the fourth meeting were observed to be nearing completion. Hence the Committee [REDACTED] NRs. 0.584 crore. It is further recommended that the utilization certificates of these works may be submitted to GFCC, Patna for processing the release of balance 50% amounting to NRs. 0.584 crore.

The Committee further decided that the details of additional work due to change in alignment in right bank and due to error in the earlier survey data in the left bank may be submitted to GFCC for approval and thereafter may be included as a new work package to be initiated in the working season of 2012. Furthermore, the running contracts in such changed alignment areas should carry out their work in the new alignment of the embankment as per their agreement quantities.

B-IV New Works

The Committee noted with satisfaction that the work of embankment construction has been going on over the last several years and major portion of work has also been completed. However, the Indian side felt the need to review and evaluate the approved works vis-a-vis the progress made for a complete and comprehensive idea about the whole project, its time lines, etc. Therefore the Committee directed that detailed project reports [REDACTED] clearly indicating the requirement of works, works completed and action plan for completion of remaining





works. The Nepalese side stated that these DPRs would be submitted to GFCC by [REDACTED]. The Indian side agreed to appraise these DPRs on priority and assured that the appraisal would be completed by [REDACTED]. The Committee agreed to the proposal of the Nepalese side for holding the next meeting of JCIFM in the [REDACTED] to finalize the action plan of works to be taken up in 2012, after which tenders may be floated for the same by the competent authority of the Government of Nepal.

B-V Detailed Project Report for extension of Embankment along Khando River

During the second meeting it was decided that the Nepalese side would compare the present cross sections with previous cross sections in the report and findings would be provided to GFCC. Accordingly the Nepalese side handed over the details of differences of bed levels to the Indian side. A revised DPR for Khando river embankment works was also submitted to the Committee. The Nepalese side requested that the DPR may be examined on priority. The Indian side stated that the said DPR is under examination.

C) FLOOD INUNDATION ISSUES

C-I Mahali Sagar

The Committee noted that the joint survey, as directed by JCIFM during its 3rd meeting, could not be undertaken to fix the contour level of 92.76 m in order to assess the reservoir area both in Nepal and India at pond level of 92.76 m. The Committee during the fourth meeting had directed the Contact Officers to complete the work by 30 April, 2011 and submit their report before the next meeting of the JCIFM. However, the same has not been done till date. The Committee therefore again directed the Contact Officers to complete the work by 31 December, 2011.

C-II Bairganiya Ring Bund

The Nepalese side informed the Committee that the construction of embankment on the right bank of Bhakuwa Nala and sluice on the right bank of Laibakeya river near Nepal-India border is being carried out and is likely to be completed soon. The Committee decided to review this issue after the completion of the above stated works as indicated in the third meeting of JCIFM.



C-III Rato River

The Committee noted that the joint study of the inundation situation in the area, as directed by JCIFM during its 3rd meeting, could not be undertaken by the Contact Officers. The Committee during the fourth meeting had directed the Contact Officers to complete the work by 30 April, 2011 and submit their report before the next meeting of the JCIFM. However, the same has not been done. The Committee therefore again directed the Contact Officers to complete the work by 31 December, 2011.

C-IV Geruwa River

During the fourth meeting, the Nepalese side had informed that no embankment exists along Geruwa river in Nepalese territory close to the India-Nepal border and therefore, no action is required from their side. The Committee had directed that the Contact Officers may verify this jointly and report to JCIFM. However, the same has not been done. The Committee therefore again directed the Contact Officers to complete the work by 31 December, 2011.

C-V Bhutahi Balan

The Nepalese side stated that JSTC during its 2nd meeting had directed JCIFM to discuss this issue. As decided during the fourth meeting, the Nepalese side made a presentation to the Committee on the issue and submitted the DPR for appraisal. It was decided to put up this issue for the consideration of JSTC during its next meeting after the examination of the DPR by GFCC.

D) FLOOD FORECASTING ISSUE

D-I Flood Forecasting Master Plan

The Indian side informed that the new Draft Flood Forecasting Master Plan (2010-2014) prepared by Government of Nepal is under examination/updation. The revised document will be provided to the Nepalese side soon for consideration.

D-II Transmission of Real Time Data

The Indian side mentioned that during the monsoon season of 2010, there was interruption in data transmission from Nepal and requested the Government of Nepal to ensure un-interrupted transmission of Real Time Data. The Nepalese side informed that real time data is available on the website www.hydrology.gov.np. The data is also being transmitted to



CWC office at Patna by telephone/VHF communication during the monsoon and necessary action has been taken by the Government of Nepal for un-interrupted transmission of Real Time Data in future.

E) COMPREHENSIVE STRATEGY FOR FLOOD MANAGEMENT

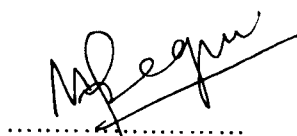
E-1 Preparation of prioritized list of flood management works

During the fourth meeting, the Nepalese side had submitted a priority list of rivers for undertaking short term flood control measures and mentioned that Government of Nepal is executing river training works along several of these rivers and requested the Indian side to submit their priority list. The Indian side stated that their priority list will be submitted after consultation with the concerned State Governments.

It was decided to hold the next meeting of JCIFM in the second week of October, 2011.

The meeting was held in a cordial and friendly atmosphere.

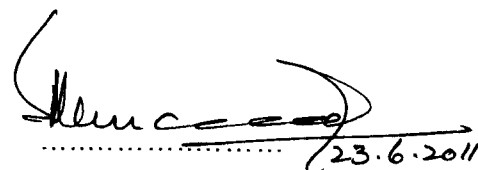
Signed on June 23, 2011 at Kathmandu.



(K. P. Regmi)

Team Leader/ Director General

Dept. of Water Induced Disaster Prevention
(DWIDP)



(S. Masood Husain)

Team Leader/Member

Ganga Flood Control Commission
(GFCC), Patna

**5th Meeting of the JCIFM
held from June 18-23, 2011**

LIST OF PARTICIPANTS

INDIAN SIDE:

- | | | | |
|----|--|---|------------------|
| 1. | Mr. S. Masood Husain
Member (Co-ordination),
GFCC, Patna | - | Team Leader |
| 2. | Mr. K.N. Keshri
Chief Engineer (LGBO), CWC, Patna | - | Member |
| 3. | Mr. A.S.P. Sinha
Sr. Joint Commissioner (Ganga),
MOWR, New Delhi | - | Member |
| 4. | Mr. S. Ranjan
Director (North), MEA, New Delhi | - | Member |
| 5. | Mrs. Anju Ranjan
First Secretary,
Embassy of India (EOI), Kathmandu | - | Member |
| 6. | Mr. Prakash Chandra
Superintending Engineer, WRD
Govt. of Bihar, Patna | - | Member |
| 7. | Mr. S.K. Gangwar
Director, GFCC, Patna | - | Member Secretary |



NEPALESE SIDE :

- | | | | |
|-----|---|---|------------------|
| 1. | Mr. Kamal Prasad Regmi
Director General/DWIDP | - | Team Leader |
| 2. | Mr. Hira Nand Jha
Deputy Director General/DWIDP | - | Member Secretary |
| 3. | Mr. Sanjaya Dhungel
Senior Divisional Engineer, WECS | - | Member |
| 4. | Mr. Rabinath Babu Shrestha
Senior Divisional Engineer, Dept. of Irrigation | - | Member |
| 5. | Mr. Sashi Bahadur Bisht
Senior Divisional Engineer, DWIDP | - | Member |
| 6. | Mr. Ananta Kumar Gajurel
Senior Divisional Engineer, RTP/DWIDP | - | Member |
| 7. | Mr. Rishi R. Ghimire
Under Secretary, Ministry of Foreign Affair | - | Member |
| 8. | Mr. Amrit Shrestha
Senior Divisional Engineer, Ministry of Irrigation | - | Member |
| 9. | Representative
Ministry of Finance | - | Member |
| 10. | Dr. Dilip Kumar Gautam
Senior Divisional Hydrologist, DHM | - | Member |

SPECIAL INVITEES

1. Mr. R. L. Karna, Division Chief, WIDPO, D.No. 2, Dhanusha
2. Mr. R. Mandal, Division Chief, WIDPO, D.No.3, Bara
3. Mr. S.C. Acharya, Division Chief, WIDPO, D.No.5, Rupandehi
4. Mr. B.N. Yadav, Division Chief, WIDPO, D.No.6, Banke

FACILITATOR

1. Mr. Rajesh Kumar Paudel, Engineer, RTP/DWIDP

