

No. 16/27/2013-PA (N)/ 1988-2013

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL ORGANIZATION

510(S), SEWA BHAWAN,
R. K. PURAM,
NEW DELHI-110 066
Date: 19.09.2013

Sub: 120th meeting of the Advisory Committee for consideration of techno-economic viability of Irrigation, Flood Control and Multipurpose Project proposals held on 13.09.2013.

Enclosed please find herewith a copy of the summary record of discussions of the above meeting held on 13th September 2013 in the Conference Room of Ministry of Water Resources, Shram Shakti Bhawan, New Delhi for information and necessary action.

Encl: As above

Vinay Kumar
(Vinay Kumar)
Chief Engineer (PA)
& Member Secretary of the
Advisory Committee

To

Members of Committee:

1. Chairman, CWC, Sewa Bhawan, R. K. Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, (1st Floor) North Block, New Delhi.
3. Secretary, Department of Power, S.S. Bhawan, IInd Floor, New Delhi.
4. Secretary, Ministry of Environment & Forests, 4th Floor, Room No- 404/05, Paryavaran, Bhawan, CGO Complex, New Delhi.
5. Secretary, Ministry of Tribal Affairs, Room No. 738, A-Wing, Shastri Bhawan, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Director General, ICAR, Room No-108, Krishi Bhawan, New Delhi.
8. Chairman, CEA, Sewa Bhawan, R. K. Puram, New Delhi.
9. Chairman, Central Ground Water Board, Jam Nagar House, Man Singh Road, New Delhi.
10. Adviser (WR), Planning Commission, Yojana Bhawan, New Delhi.
11. Sr. Adviser (Power), Planning Commission, Room No-107 Yojana Bhawan, New Delhi.
12. Financial Adviser, Ministry of Water Resources, Room No-401 S.S. Bhawan, New Delhi.

Special Invitees:

13. Member (WP&P), CWC, New Delhi.
14. Member (D&R), CWC, New Delhi.
15. Member (RM), CWC, New Delhi.
16. Commissioner (Projects), Room No-411, S.S.Bhawan, MoWR, New Delhi.
17. Chief Advisor (Cost), Department of Expenditure, Ministry of Finance, Lok Nayak Bhawan, New Delhi.
18. Secretary, PWD (Water Resources), Government of Tripura, New Secretariat Complex, Agartala-799 006.
19. Principal Secretary, Water Resources Department, Government of Rajasthan, Secretariat, Jaipur.
20. CE, FMO, CWC, New Delhi.

Copy also to:

21. Chairman, GFCC, Sinchai Bhawan, Patna.
22. Principal Secretary, Irrigation Department, Government of Uttar Pradesh, Sachivalay Annexe, Lucknow-226 001 (U.P.)
23. Principal Secretary, Water Resources, Government of Madhya Pradesh, Sachivalaya, Arera Hills, Bhopal.
24. Secretary, Irrigation Department, Govt. of Karnataka, M.S. Building, 6th floor Karnataka Government Secretariat, Dr. Ambedkar Veedhi, Bangalore-560 001.
25. CE, NBO, CWC, Bhopal.

Copy for information to:

26. Sr. PPS to Secretary, Ministry of Water Resources, Room No-407, Shram Shakti Bhawan, New Delhi.

Summary Record of Discussions of the 120th Meeting of the Advisory Committee on Irrigation, Flood Control and Multi - purpose Projects held on Friday, September 13, 2013 for Consideration of Techno-economic Viability of Water Resources Projects

The 120th meeting of the Advisory Committee on Irrigation, Flood Control and Multi-purpose Projects of Ministry of Water Resources was held under the Chairmanship of Secretary to the Government of India, Ministry of Water Resources on Friday, September 13, 2013 at 03:00 PM in the Conference Room of Ministry of Water Resources, Shram Shakti Bhawan, New Delhi. Names of members of the Committee or their representatives / nominees and special invitees who attended the meeting and their Ministries / Organizations / Departments of State Governments are at **Annex-I**.

Chairman, Advisory Committee and Secretary to the Government of India welcomed the members of the Committee and invitees and asked Member-Secretary, Advisory Committee to inform the Committee about action taken on the proposals which could not be accepted by the Advisory Committee in its recent meetings and place the Agenda items for consideration of the Committee.

Thereafter, the agenda items were discussed and the following decisions were taken.

I. Confirmation of the Summary Record of Discussions held during 119th Meeting of the Advisory Committee.

Summary record of discussions of the 119th meeting of the Advisory Committee of Ministry of Water Resources on Irrigation, Flood Control and Multi-purpose Projects as circulated vide letter 16/27/2013-PA (N)/1901-27 dated 09.09.2013 was confirmed.

II. Project Proposals Considered by the Advisory Committee

Uttar Pradesh

- a) Proposed Flood Protection Works along left bank of River Yamuna (**Flood Control, Estimated cost Rs.44.89 crore price level November 2012**)
- b) Project for construction of Marginal Bund in Ramraj Khadar along right bank of river Ganga in the district Muzaffarnagar, Uttar Pradesh (**Flood Control, Estimated cost Rs.29.39 crore price level 2012**)

Member – Secretary, Advisory Committee stated that two flood management schemes formulated by Government of Uttar Pradesh namely, (i) Proposed Flood Protection Works along left bank of River Yamuna; and (ii) Project for construction of Marginal Bund in Ramraj Khadar along right bank of river Ganga in the district Muzaffarnagar, Uttar Pradesh could not be accepted in the 118th meeting of the Advisory Committee due to non-adoption of latest schedule of rates in estimation of cost of the proposals and non-furnishing of concurrence by the State Finance Department. The present position in this

regard is that the cost of the first scheme, namely Proposed Flood Protection Works along left bank of River Yamuna has been updated by the State Government and appraised by CWC. The revised estimated cost of the proposal is Rs.44.89 crore at November 2012 price level and Government of Uttar Pradesh has now concurred with the proposal (**Annex-II**). The project proposal was discussed by the Members of Committee. During deliberation, the representative of State Government stated that the project would be completed during schedule time of twenty four months and a certificate to this effect would be furnished by the State Government which has now been furnished and placed at **Annex-III**.

After deliberation, the Committee accepted the project proposal at (a) namely **Proposed Flood Protection Works along left bank of River Yamuna (Flood Control, Estimated Cost Rs.44.89 crore price level November 2012)**.

As regards the second scheme, at (b) namely "Project for construction of Marginal Bund in Ramraj Khadar along right bank of river Ganga in the district Muzaffarnagar, Uttar Pradesh", the Member Secretary, Advisory Committee reported that the concurrence of the State Finance has not been furnished by the project and consequentially, the Committee was restrained to consider the project proposal without prejudice to the project.

Madhya Pradesh

- c) Mahi Irrigation Project in District Dhar, Madhya Pradesh (**Revised - Major, Irrigation and drinking water; Estimated Cost Rs.834.24 Crore at 2009 Price Level**):

The project proposal was considered by the Advisory Committee in its 119th meeting held on 29th August 2013. During discussions, Advisor (Cost), Ministry of Finance indicated about high yield rates, price of agricultural produces and inconsistencies in calculation of yields and benefits. After deliberation, the Committee decided that the project authorities would respond to the queries raised by Joint Secretary & Financial Advisor, Ministry of Water Resources and Advisor (Cost), Ministry of Finance and submit their written clarifications to the Project Appraisal Organization, Central Water Commission at the earliest and project was deferred to the next meeting.

Advisor (Cost), Ministry of Finance indicated that the points raised by him during the 119th meeting of the Advisory Committee have since been responded by the project authorities (**Annex-IV**) and there were no further comments. The Member Secretary, Advisory Committee informed that the points indicated by the Joint Secretary & Financial Advisor, which have been placed at **Annex-V** are yet to be settled. Director (Finance), Ministry of Water Resources indicated that the response of State Government needs to be examined.

The Committee was, therefore restrained to consider the Mahi Irrigation Project in District Dhar, Madhya Pradesh without prejudice to the project.

Tripura

- d) Anti Erosion Work along the Bank of River Haora for Protection of Vulnerable Locations from Champakpur to Baldakhal under Sadar Sub-Division of West Tripura District, (Tripura) **(Flood Control, Estimated Cost: Rs.42.96 crore 2011 price level):**

The project proposal envisages providing anti-erosion works consisting of protection work on bank slope and launching apron at identified vulnerable reaches between Champanagar to Baldakhal in West Tripura district of Tripura at a cost of Rs.42.96 crore (price level 2011). Burnt bricks known as Jhama brick as aggregate material in construction of cement concrete blocks and Jute Geo-textile below cement concrete blocks as filter material have been proposed in view of shortage of boulder and sand in vicinity of the project site. The project on completion would protect an area of about ha and number of persons. Project authorities have informed that the latest schedule of rate in the State is based at the price level of 2011 (**Annex-VI**).

Clearances of Forest Department, Government of Tripura for areas falling in Sadar Division and of State Flood Control Board and concurrence of State Finance Department has since been obtained and placed at **Annex-VI** to **Annex-IX** respectively.

The members deliberated on various aspects of the project particularly, suitability of burnt bricks in place of boulder. Representative of the State Government stated that the use of burnt (Jhama) bricks in place of boulders in cement concrete blocks is a commonly adopted practice in the State due to lacks of natural stone. Chief Engineer, Flood Management Organization, Central Water Commission enquired about mention of funding pattern in the communication containing concurrence of State Finance Department. Advisor (Water Resources) Planning Commission also sought clarification on the subject. Responding to this, the representative of State Government indicated that the additional fund sharing in the event of change of the existing norm of Flood Management Programme of Government of India would be borne by the State (**Annex-X**). Director Finance, Ministry of Water Resources and other members indicated that the Advisory Committee accepts the proposals without any commitment whatsoever, about the funding pattern.

The Advisory Committee applauded the innovative efforts of State Governments for use of technology appropriate to region. After deliberations, the Advisory Committee accepted the proposal of "Anti erosion works along the Bank of River Haora for Protection of Vulnerable Locations from Champakpur to Baldakhal under Sadar Sub-Division of West Tripura District, (Tripura)" at an estimated cost of Rs.42.96 crore at 2011 price level.

Rajasthan

- e) Parwan Irrigation cum Drinking, Water Supply Project, Rajasthan (New – Major, Irrigation, drinking water and industrial water supply, Estimated Cost Rs. 2435.93 crore at 2011-12 Price Level):

The project proposal had been earlier considered in the 119th meeting of the Advisory Committee held on 29th August 2013. The project was discussed in detail. Advisor (Cost), Ministry of Finance indicated that the rates adopted for industrial water supply in computation for allocation of cost to irrigation, drinking water and industrial water were lower than that adopted for Kalisindh Thermal Power Project in Jhalawar district. Joint Secretary & Financial Advisor, Ministry of Water Resources enquired about procedure adopted for allocation of cost among different uses. After deliberation, the Committee decided that the project authorities would respond to the specific queries raised by Joint Secretary & Financial Advisor, Ministry of Water Resources and by Advisor (Cost), Ministry of Finance and submit their written clarifications to the Project Appraisal Organization, Central Water Commission at the earliest and project was deferred to the next meeting.

The project was again discussed by the members. Advisor (Cost), Ministry of Finance informed that the points raised by him during the 119th meeting have been responded adequately. He also intimated that the same has already been conveyed by him to PAO vide letter no. F. No. 15(7)/CAC/2013 dated 30th August 2013 (Annex-XI) responding to the earlier observations by JS&FA. Member secretary, Advisory Committee informed that the procedure adopted for allocation of cost to irrigation is based on the use of facilities method and due weightage has been given to the supply of water to industrial sector which is at 100 percent dependability. Use of Facilities Method for allocation is appropriate procedure in the instant case. Responding to the suggestions of members of the Advisory Committee to compress the time of completion of the project, project authorities informed that all efforts would be made to complete the project within stipulated time of 72 months (Annex-XII).

After deliberation, the Advisory Committee decided to accept Parwan Irrigation cum Drinking, Water Supply Project, Rajasthan at an Estimated Cost Rs. 2435.93 crore at 2011-12 Price Level.

Karnataka

- f) Extension, Renovation & Modernization of Narayanpur Left Bank Canal System, Karnataka (ERM Irrigation – Major, Estimated Cost Rs.4103.50 crore at 2012 - 13 Price Level):

The canal system of Narayanpur Dam consists of Narayanpur left bank canal, Narayanpur right bank canal, Rampur lift irrigation scheme and Marol lift irrigation scheme. Among these, Narayanpur left bank canal (NLBC) is the biggest and the main artery network which

supplies water to irrigate about 4.50 lakh hectare. The construction of canal was completed in 1982 and presently it is catering to the need of upper reaches and an area of about 1,21,220 ha is suffering for want of water. Several deficiencies including slope failure and slips, failure of lining, leakage etc. have been noticed in the system.

The project components were discussed by members. Advisor (Cost), Ministry of Finance desired that the life of major projects is generally assumed as 100 years and as such need to consider ERM projects at this stage involving a substantial sum of the order of Rs 4000 crore should be examined in detail. Other members also expressed similar views.

After deliberation, the Committee decided to defer the project to next meeting without prejudice to the project.

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

Annex I

List of Members / their representatives and Invitees who participated in the 120th Meeting of the Advisory Committee of Ministry of Water Resources on Irrigation, Flood Control and Multi-purpose Projects held on September 13, 2013

Shri Alok Rawat, Secretary to the Government of India, Ministry of Water Resources Chairman

Members, Advisory Committee or their representatives / nominees

S/Shri		
1.	Devendra Sharma, Member (River Management) representing Chairman, Central Water Commission	Member
2.	Ashok Kumar Jain Advisor (WR), Planning Commission	Member
3.	S. D. Dube, Chief Engineer, Central Electricity Authority (Representing Chairman, Central Electricity Authority)	Member
4.	Arun Kumar, Member (SML), Central Ground Water Board (Representing Chairman, Central Ground Water Board)	Member
5.	S. K. Thakur, Director (Finance), Ministry of Water Resources (Representing Joint Secretary & Financial Advisor, Ministry of Water Resources)	Member
6.	Dr. P. V. Subba Rao, Deputy Director, Ministry of Environment & Forests (nominee of Secretary, Ministry of Environment & Forests)	Member-Secretary
7.	Vinay Kumar, Chief Engineer, Project Appraisal Organization, Central Water Commission	

Special Invitees

8. S. K. G. Pandit, Chief Engineer Designs (N&W) (representing Member (D&R), Central Water Commission)
9. V. K. Chawla, Chief Engineer, POMIO, (representing Member WP&P, Central Water Commission)
10. P. K. Aggarwal, Advisor (Cost), Ministry of Finance
11. Pradeep Kumar, Commissioner (State Projects), Ministry of Water Resources

Central Water Commission

12. K N Keshri, Chief Engineer, FMO, Central Water Commission
13. Rakesh Kumar Gupta, Chief Engineer, Irrigation Management Organization, Central Water Commission
14. Gorakh Thakur, Director, Cost Appraisal Irrigation
15. C P Singh, Director, FM-I,
16. Shiv Nandan Kumar, Director, FMP
17. Virendra Sharma, Director, Project Appraisal (South)
18. Ajay Kumar, Director, Project Appraisal (North)
19. M. S. Sahare, Director, Project Appraisal (Central)
20. Basishtha Rai, Deputy Director, Project Appraisal (Central)
21. A. K. Singh, Deputy Director, Project Appraisal (North)
22. M. A. Khan, Assistant Director-II, Project Appraisal (Central)

Officers from State Governments

Tripura

1. Tapan Lodh, Chief Engineer, PWD (WR)
2. Nikhil Debnath, Executive Engineer (WR)

Rajasthan

3. O. P. Saini, Principal Secretary, Water Resources
4. G. K. Gupta, Chief Engineer, Quality Control
5. M. C. Jain, Chief Engineer, WR Zone Kota
6. S. N. Gupta, Superintending Engineer, Parwan Project, Kota
7. I. K. Jain, Executive Engineer, Parwan Project Division, Jhalawar, Rajasthan
8. H. K. Somani, Assistant Engineer, Parwan Project Division, Jhalawar
9. Ms. Saroj Sharma, Liaison Officer, New Delhi

Uttar Pradesh

10. A. K. Gupta, Chief Engineer, Meerut
11. T. K. Goyal, Superintending Engineer, Drainage Circle, I D, Meerut
12. Puneet Agarwal, Engineer, O/o Drainage Division-I, Meerut

Karnataka

13. K. G. Mahesh, Executive Engineer & Deputy Chief Engineer (A/C), KBJNL, Gulbarga
14. K. Javed Ahmed, Assistant Executive Engineer, KBJNL, K R Circle, Bangalore
15. Kamal Kumar, Engineer, KBJNL, K R Circle, Bangalore