No. 16/27/2011-PA (N)/ 205-35

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL ORGANIZATION

510(S), SEWA BHAWAN,
R. K. PURAM,
NEW DELHI-110 066
Date: **02.02.2012**

Sub: 113th meeting of the Advisory Committee for consideration of techno-economic viability of Irrigation, Flood Control and Multipurpose Project proposals held on 12.01.2012.

Enclosed please find herewith a copy of the summary record of discussions of the above meeting held on 12th January 2012 at Sewa Bhawan, R. K. Puram, New Delhi for information and necessary action.

Encl: As above

(S.K. Srivastava) 02/02/12
Chief Engineer (PAO)
& 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. Joint 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. Chairman, GFCC, Patna.
17. Commissioner (Projects), Room No-411, S.S.Bhawan, MoWR, New Delhi.
18. Commissioner (Ganga), Ministry of Water Resources, CGO Complex, New Delhi.
19. Commissioner (B&B), Ministry of Water Resources, Mohan Palace, New Delhi
20. Chief Advisor (Cost), Department of Expenditure, Ministry of Finance, Lok Nayak Bhawan, New Delhi.
21. Principal Secretary, Water Resources Department, Govt. of Bihar, Sinchai Bhawan, Patna - 800015.
22. Principal Secretary, Water Resources Department, Government of Madhya Pradesh, Bhopal.
23. Principal Secretary, Irrigation Department, Government of Rajsthan, Secretariat, Jaipur-302005.
24. Principal Secretary, Irrigation Department, Government of Punjab, Secretariat, Chandigarh - 160 009.
25. Secretary, Water Resources Deptt, Govt of Maharashtra, Mantralaya, Mumbai, 400032.
26. Principal Secretary, Water Resources Department, Government of Orissa, Rajiv Bhawan, Bhubaneshwar-751001
27. CE, FMO, CWC, New Delhi.
28. CE, PPO, CWC, New Delhi.
29. CE, IMO, CWC, New Delhi.

Copy for information to:

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

SUMMARY RECORD OF DISCUSSIONS OF THE 113th MEETING OF THE ADVISORY COMMITTEE ON IRRIGATION, FLOOD CONTROL AND MULTI PURPOSE PROJECTS, HELD ON 12th JANUARY 2012 FOR CONSIDERATION OF TECHNO-ECONOMIC VIABILITY OF PROJECT PROPOSALS

The 113th meeting of the "*Advisory Committee on Irrigation, Flood Control and Multi-purpose Project*" was held on 12th January 2012 at 1500 hrs. in the Conference Room of Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi under the Chairmanship of Shri D.V. Singh, Secretary (WR). List of participants is enclosed at **Annexure-I**.

At the outset, Chairman welcomed the participants and requested the Member-Secretary to take up the agenda for discussion, Thereafter the Agenda items were taken up for discussion and the decisions taken are as under.

I) CONFIRMATION OF THE SUMMARY RECORD OF THE DISCUSSIONS HELD DURING THE 112TH MEETING:

The Summary Record of Discussions of the 112th meeting of the Advisory Committee was circulated vide Letter No.16/27/2011-PA (N)/1888-1914 dated 23.09.2011. Since no comments on the same have been received, the Committee confirmed the Summary Record of discussions of the 112th meeting of the Advisory Committee.

II) PROJECT PROPOSALS CONSIDERED BY THE ADVISORY COMMITTEE:

1.0 EASTERN GANDAK CANAL SYSTEM (GANDAK PHASE-II), BIHAR (NEW-ERM, Estimated Cost Rs. 1799.50 Crore at 2011-12 Price Level):

The representative of Government of Bihar intimated that **EASTERN GANDAK CANAL SYSTEM** (Gandak Phase-II) has been proposed for completion of the residual work of incomplete Eastern Gandak Canal System which was left uncompleted at the end of VI plan. Planning Commission informed that work of Eastern Gandak Canal System was closed in 1985 due to time overrun and it was advised to take up the balance work as Phase-II. Planning Commission further indicated that this is the right time to take up the work of Phase-II. They further indicated that the water available at the Barrage is sufficient enough to meet the requirement of the command of the left and right

bank canal as envisaged in the original proposal. It was also assured that the scheme would be completed by 2015-16 by adopting efficient construction planning keeping in view that no states suffer during its construction.

After brief discussion the committee accepted the proposal.

2.0 UDERASTHAN BARRAGE & OTHER INTER-CONNECTED AND INTERDEPENDENT SCHEMES, BIHAR (NEW-ERM, Estimated Cost Rs. 531.01 Crore at 2011-12 Price Level):

The representative of Government of Bihar intimated that Uderasthan Barrage & Other Inter-connected and Inter-dependent Scheme envisaged stabilization of the command of existing Uderasthan weir (38,352ha) and creating additional command (2,700 ha). On a suggestion for adopting micro irrigation system in the project command, it was clarified that it would not be suitable as the project utilizes monsoon water only. Representative from Ministry of Finance informed that the Establishment Charges in the Cost estimate have been rectified. Regarding query about the high Ground Water table, the State Government representative clarified that conjunctive use of surface and ground water is already in practice in the command. CWC further added that there are numbers of Pines and Ahars in the command which would store monsoon water for Rabi cultivation.

After the brief discussion the committee accepted the proposal.

3.0 MADHYA PRADESH WATER SECTOR RESTRUCTURING PROJECT (MPWSRP) (NEW-ERM, Estimated Cost Rs. 1919.00 Crore at 2011-12 Price Level):

The representative of Government of Madhya Pradesh informed that MPWSRP is a World Bank assisted project under implementation in Madhya Pradesh. The loan agreement for the project was signed on 30th November, 2004 and scheduled closing date was 31st December, 2011. The Planning Commission had conveyed its in-principle approval vide its letter dated 13.7.2004 subject to condition that project would be in due course submitted to CWC for tech-economic appraisal and process thereafter for investment clearance by Planning Commission. The State representative further informed that Ministry of Water Resources has already conveyed its "in-principle" consent for extension of its closure date. Regarding query about late submission of project reports to CWC, the State representative informed that delay was mainly due to late clearance by the World Bank and setting up of infrastructure and staff for the project. On query on

performance of the project, the State representative informed that the progress and outcome are encouraging.

After the brief discussion, the committee accepted the proposal.

4.0 Orissa Integrated Irrigated Agriculture and Water Management Investment Programme (OIIAWMIP) –Tranche-II (NEW-ERM, Estimated Cost Rs. 471.43 Crore at 2010-11 Price Level):

The representative of Government of Orissa informed that Orissa Integrated Irrigated Agriculture and Water Management Investment Programme (OIIAWMIP) is under implementation with the assistance of Asian Development Bank (ADB) since September 2009. OIIAWMIP is proposed to be executed in a period of 8 years in four Tranches. The project concept was discussed in the 93rd meeting of Advisory Committee of MoWR held on 22.5.2008 and was accepted in principle. **Tranche-I** with an estimated cost of Rs. 627.48 crore was also recommended in the above meeting for which investment clearance have been accorded by the Planning Commission in August 2008. Under OIIAWMIP- **Tranche - II**, it is proposed to complete work on 4 major (about 125 years old), 3 medium (about 30 years old).projects and associated infra-structure activities.

Regarding query about status of implementation of ongoing Tranche-I, the State representative informed that work is going on and it is likely to be completed by December, 2013. About CAD activities, the State representative informed that it will be primarily implemented through existing CAD & WM programme. The provision under OIIAWMIP has been made to implement CAD activities where central programme support is not readily available. The concerned WUAs will also implement minor CAD works.

After brief discussion, the committee accepted the proposal.

5.0 RAJGARH MEDIUM IRRIGATION PROJECT, RAJSTHAN (NEW - MEDIUM, Estimated Cost Rs. 192.13 Crore, Irrigation component Rs.140.46 cr. and Drinking Water component Rs.51.46 cr. at 2010-11 Price Level):

The representative of Government of Rajasthan informed that the project would benefit backward district of Rajasthan. On query regarding Interstate issues, it was informed that State Government of Madhya Pradesh had already given their concurrence. It was also clarified by the state government representative that in case it was not supported under AIBP, they would approach NABARD for financing.

After brief discussion, the committee accepted the proposal with the condition that the design aspect may be verified by CWC.

6.0 Bank Protection Works from Ismailpur to Bindtoli in down-stream of Vikramshila Bridge on the left bank of river Ganga in Bhagalpur district of Bihar (Estimated Cost Rs. 23.39 Crore at 2011-12 Price Level):

The representative of Government of Bihar informed that restoration of existing spurs constructed by the State Government in 2009 were damaged in 2010 floods in Bhagalpur district. Planning Commission suggested carrying out physical model studies for implementation of flood control works as per BIS code. The State representative clarified the proposed work is essential before the coming flood season so as to avoid severe damage in the abadis. GFCC informed that they had visited the site and found that proposed flood protection work is essential on immediate basis in order to prevent losses due to flood in the upcoming season.

After brief discussion, the committee accepted the proposal with the condition that in future such flood control schemes may be proposed and submitted after physical model studies.

7.0 Bagaha Town Protection Works Phase-I on the left bank of river Gandak in West Champaran district of Bihar (Estimated Cost Rs. 48.91 Crore at 2011-12 Price Level):

The representative of Government of Bihar informed that Bagaha Town Protection Works Phase-I on the left bank of river Gandak in West Champaran district of Bihar was urgently required for protection of Bagaha town. Planning Commission suggested carrying out model studies for implementation of flood control works as per BIS code. The State representative clarified the proposed work is essential before the coming flood season so as to avoid severe damage in the area. GFCC informed that they had visited the site and found that proposed flood protection work is essential on immediate basis in order to prevent losses due to flood in the upcoming season.

After brief discussion, the committee accepted the proposal with the condition that in future such flood control schemes may be proposed and submitted after physical model studies.

8.0 Flood Protection works along left and right banks of River Beas in Districts Gurdaspur, Hoshiarpur and Kapurthala (Punjab) (Estimated Cost Rs. 46.12 Crore at 2009 Price Level):

The representative of Government of Punjab informed that the scheme is spread along the River Beas in districts Hoshiarpur, Gurdaspur and Kapurthala. Regarding query about number of benefitted people, the State representative clarified that the population near by the river has been considered to be benefitted. Member (RM), CWC informed that he had visited the site. The level difference between the land and the river bed is very low in the area and the proposed flood protection work is necessary. On query regarding funding, it was clarified by the State government representative that if this is not being considered under Flood Management Programme; other sources for funding would be explored.

After brief discussion, the committee accepted the proposal with the condition that in future flood control schemes may be proposed and submitted after physical model studies.

9.0 PURNA BARRAGE-2 (NER DHAMANA) IRRIGATION PROJECCT, MAHARASHTRA (Revised Medium, Estimated Cost Rs 617.46 Crore at 2010-11 Price Level):

In pursuance of the decision taken in 112th meeting of the advisory committee held on 14.09.2011, the detailed design and drawings of the barrage and appurtenant structure was broadly examined in CWC. It has been found that as per design of the Barrage by CWC, the estimated cost of the project might have reduced to around Rs.437.89 crore which could be 29% lower than the present estimated cost.

The Director (Appraisal), Monitoring Central Organization, CWC informed that the project was in advanced stage of construction and 80% foundation works had already been completed based on the design submitted by the State Government during the revised estimate stage. Fabrication of gates has almost been completed. Regarding query about implementation of alternative design as suggested by CWC, the representative of Government of Maharashtra clarified that it would not be possible to adopt the design as proposed by CWC considering the site condition and present state of construction of the project. The river in this region is not perennial and arresting seepage / percolation of stored water is the utmost requirement. The higher value of cost per hectare of annual irrigation is due to geological characteristics of the project area. They

emphasized that Government of Maharashtra wished to implement this project to provide irrigation facilities benefiting to the most distressed district of Vidarbha region in Maharashtra.

After the brief discussion, the committee accepted the proposal for Rs.617.46 Crore keeping the present stage of construction of the Project in view.

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

ANNEXURE-I

LIST OF PARTICIPANTS

Member of the Committee:

S/Shri

1	D. V. Singh, Secretary (WR), Ministry of Water Resources	In the Chair
2	R. C. Jha, Chairman, CWC, New Delhi	Member
3	S.P.S. Minhas, ADG (S&WM)),ICAR, New Delhi (Representing Director-General, ICAR)	Member
4	Tanmoy Das, Chief Engineer, CEA (Representing Chairman, Central Electricity Authority)	Member
5	S. Das, Deputy Secretary, MoTA (Representing Secretary, Ministry of Tribal Affairs)	Member
6	Avinash Mishra, Joint Advisor (WR), Planning Commission, New Delhi	Member
7	Dr. Poonam Sharma, Scientist-D (Representing Chairman, CGWB), New Delhi	Member
8	S. K. Thakur, Director Finance (Representing Joint Secretary & Finance Advisor, MoWR, New Delhi.	Member
9	Dr. Maan Singh, ASCO(NRM & RPS), Min. of Agriculture, New Delhi	Member
11	S. K. Srivastava, Chief Engineer, PAO, CWC, New Delhi	Member- Secretary

Special Invitees

S/Shri

a) **Central Water Commission**

11 A.K. Ganju, Member (D&R), CWC, New Delhi.
12 S. P. Kakaran, Member(RM), CWC, New Delhi.
13 C. M. Pandit, Member (WP&P), CWC, New Delhi
14 B.G. Kaushik, Chief Engineer (PPO),CWC, New Delhi
15 V. K. Chawla, Chief Engineer (IMO),CWC, New Delhi
16 S. K. G. Pandit, Chief Engineer, Design (N&W), CWC, New Delhi.
17 K. N. Keshri, Chief Engineer(FM),CWC, New Delhi
18 A. M. Patil, Chief Engineer, MCO, CWC, Nagpur.
19 D. M. Raipure, Director (Appraisal), CWC, Nagpur.
20 Gorakh Thakur, Director, Cost (Irr), CWC, New Delhi.
21 Ajay Kumar, Director, PA(N), CWC, New Delhi.
22 M. S. Sahare, Director, PA(C), CWC, New Delhi.
23 U.Tikekar, Director, BCD(N&W), CWC, New Delhi.
24 C. P. Singh, Director (FM-I), CWC, New Delhi.
25 V. K. Malhotra, Director (E.A), CWC, New Delhi.
26 Vimal Kumar, D.D, E.A.Dte, CWC, New Delhi.
27 B. Rai, D.D, PA(C) Dte. CWC, New Delhi.
28 S. S. Bonal, D.D, CA(Irr.) Dte, CWC, New Delhi

b) GFCC

29 Shankar Mahto, Chairman, GFCC, Patna

30 S. Masood Hussain, Member (Co-ordination),GFCC,Patna

c) Ministry of MOWR

31 Pardeep Kumar, Commissioner (Projects), MoWR, New Delhi

32 Devendra Sharma, Commissioner (Ganga), MoWR, New Delhi

d) Ministry of Finance

33 P. K. Aggarwal, Advisor (Cost), Ministry of Finance, New Delhi

34 V. K. Shukla, Director (Cost), Ministry of Finance, New Delhi

e) State Government Officers

Bihar

35 Afjal Amanullah, Pricipal Secretary, Water Resourses Department, Govt of Bihar.

36 Devi Rajak , Engineer-in-Chief, Water Resourses Department, Govt of Bihar.

37 B. K. Sinha, S.E, Sinchai Bhawan, Patna, Bihar.

38 Uday Kumar, Resident Engineer, Saket, New Delhi

39 Anil Kumar, Assistant Engineer, Muzaffarpur, Bihar.

Maharastra

40 Prafull Chandra Zapka, Executive Director, VIDC, Nagpur, Maharastra.

41 Rajendra Pawar, Chief Engineerr, VIDC, Nagpur, Maharastra.

Madhya Pradesh

42 R.S.Julaniya,Pricipal Secratry, Deptt. of Water Resourses, Bhopal.

43 Shubhankar Biswas, OSD to Addl. Secretary, Swara Bhawan, Bhopal.

44 R.V.Jaltase, S.E, Irrigation Circle, Akola, M.P.

45 R.K.Chachondia , Director, Kolar Ganat House, Bhopal.

46 Narendra Dave, S.E., WBP, WR, Bhopal.

47 N.J.Bambol, Executive Engineer, Akola Irrigation Div., Murtizupur, Akola.

Orissa

48 Smt. Debjani Chakrabarti, Addl. Secretary, Deptt. of Water Recourses, Govt. of Orissa.

49 G.Sahu, C.E, Rajiv Bhawan, Bhubaneshwar, Orissa.

50 M. R. Shukla, Ex. Engineer, Orissa Niwas, New Delhi.

Punjab

51 Vinod Chaudhary, C.E, Hydel Building ,Chandigarh.

52 S. L. Sidhu, Ex. Engineer, Drainage Division, Gurdaspur, Punjab.

Rajasthan

53 A. B. Mathur, Chief Engineer, Kota, Rajasthan.

54 N. C. Mathur, S.E, Kalisindh Circle, Jhalawar, Rajasthan.

55 Karam Singh, Cousaltant, WAPCOS, Gurgaon.