No. 16/27/2013-PA (N)/87 – 111

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL ORGANIZATION

510(S), SEWA BHAWAN,
R. K. PURAM,
NEW DELHI-110 066
Date: **20.01.2014**

Sub: 122nd meeting of the Advisory Committee for consideration of techno-economic viability of Irrigation, Flood Control and Multipurpose Project proposals held on 20.12.2013.

Enclosed please find herewith a copy of the summary record of discussions of the above meeting held on 20th December 2013 in the Conference Room of Ministry of Water Resources, Shram Shakti Bhawan, New Delhi for information and necessary action.

Encl: As above

(R. K. Gupta)
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, Irrigation Department, Govt. of Karnataka, M.S. Building, 6th floor Karnataka Government Secretariat, Dr. Ambedkar Veedhi, Bangalore-560 001.
19. Principal Secretary, Irrigation & F.C. Department, Government of Manipur, Manipur Secretariat, Imphal-795 001.
20. Principal Secretary, Water Resources, Government of Madhya Pradesh, Sachivalaya, Arera Hills, Bhopal.
21. Principal Secretary, Water Resources Department, Government of Rajasthan, Secretariat, Jaipur.
22. Principal Secretary, Water Resources Department, Government of Odisha, Rajiv Bhawan, Bhubaneshwar-751001.
23. CE, M&ERO, CWC, Bhubaneshwar.
24. CE, FMO, CWC, New Delhi.

Copy for information to:

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

Summary Record of Discussions of the 122nd Meeting of the Advisory Committee on Irrigation, Flood Control and Multi- Purpose Projects held on Friday, December 20, 2013 for Consideration of Techno-Economic Viability of Water Resources Projects

The 122nd 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, December 20, 2013 at 10:30 AM in the Conference Room of Ministry of Water Resources, Shram Shakti Bhawan, New Delhi. The list of members of the Committee or their representatives / nominees and special invitees who attended the meeting and officers from various Ministries / Organizations and representatives of State Governments is appended at **Annex-I**.

Chairman, Advisory Committee welcomed the members of the Committee. He appraised the members of the Committee on the status of various projects deferred in the 120th and 121st meetings. The status of such projects is given as under:

Construction of Marginal Bunds in Ramraj Khaddar, Uttar Pradesh

The project for construction of Marginal Bunds in Ramraj Khaddar along right bank of River Ganga in the district of Muzaffarnagar, (Flood Control, Estimated Cost Rs 29.39 Cr at 2012 price level) was deferred for the want of State Finance Concurrence (SFC). Since same has not yet been made available, the project was not considered by the Advisory Committee, without any prejudice to the merit of the case.

Mahi Irrigation Project, Madhya Pradesh

Mahi irrigation Project in Dhar district (Revised, Major, Estimated cost of Rs 834.24 Cr. at 2009 Price Level) was considered during 119th, 120th and 121st meetings. During the last meeting held on 8th October 2013, the same was deferred because of assembly elections in the State as well as enforcement of Election Code of Conduct as clarified by Election Commission. The TAC note of this project has already been circulated for discussions.

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

I. Confirmation of the Summary Record of Discussions held during 121st Meeting of the Advisory Committee.

Summary record of discussions of the 121st 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)/2172-92 dated 14.10.2013 was confirmed.

ii. Project Proposals Considered by the Advisory Committee

1. Mahi Irrigation Project, Madhya Pradesh (Major, Revised at an estimated cost of Rs 834. 24 Cr at 2009 Price Level)

The Mahi Irrigation Project, which was deferred during last 3 meetings, was taken up for discussion.

The Chairman of the Committee apprised the Committee members that industrial water as earlier planned is now available for irrigation purpose and the same is being proposed to be used for irrigation through extension of the irrigation command. This will save the extra cost for development of infrastructure for the otherwise use of such water.

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Chief Advisor (Cost), the representative of the Department of Expenditure, questioned the yield and cost of farm produces mentioned under the project. It was clarified that this matter was referred to Ministry of Agriculture (MoA), Government of India which has been concurred by MoA.

The aspect of life of the project for the purpose of depreciation factor was also discussed and the provisions in the CWC guidelines were informed. It was clarified that because of the operation & maintenance issues the efficiency of the project gets reduced.

As regards working out incremental cost and incremental benefits issues, it was clarified to the representative of Chief Advisor (Cost), Department of Expenditure that the additional component of the project cannot be taken in isolation as many of the components of the project remain common for the new proposed extension of command. Therefore the total cost and total benefits have been considered for the purpose of estimation of Benefit Cost Ratio. This applies to all such projects.

Chairman of Committee proposed that the phasing of the project be taken as year1, year 2 etc. rather than giving the actual calendar year for proposed implementation, since some inevitable delay may occur in procedural requirements, and the effective time for the project starts only when final clearance i.e. investment clearance by Planning Commission is conveyed.

After deliberations, the Committee accepted the proposal namely Mahi irrigation Project in District Dhar (Revised, Major, Revised Estimated cost of Rs 834.24 Cr. at 2009 Price Level).

2. Loktak Lift Irrigation Project, Manipur (Major, ERM at an estimated cost of Rs 25.56 Cr at 2011 Price Level)

Loktak lift irrigation project was commissioned in 1986 with an original command area of 24000 ha and 40000 ha as annual irrigation. Due to scarcity of funds from State Government the normal repair and maintenance could not be taken up and as of now the annual irrigation has reduced to 1800 ha. Taking into considerations the actual field working conditions i.e., submergence of area by Loktak lake in periphery, high price of energy for lift and scarcity of energy in the state of Manipur, the renovation of the existing Loktak lift irrigation project is necessary so that the lost command can be recovered to the possible extent.

Member (RM) expressed the need for clearing the mouth of the canal form deposited material for efficient functioning of the canal system. In this context representative of State Government clarified that water is not directly lifted from lake, but it is being lifted from power channel of hydro electric project. Therefore as such there is no need for such requirement.

It was also informed by the representative of the State Government that restoration of the command beyond the proposed area is not feasible. The components of repairs include pump house, main canal, and distribution canals, lining of canals etc. The BC ratio of the project is estimated as 10.99.

The representative of Chief Advisor (Cost), Department of Expenditure desired that the cost of water need to be considered in the cost of cultivation. It was clarified that since such costs are very small it will not impact the BC ratio significantly.

The representatives of the State Government assured that provision for the maintenance of the system will be made in future in the State budget.

After deliberation, the Committee accepted the proposal namely ERM of Loktak lift irrigation Project (Revised, Major, Estimated cost of Rs 25.56 Cr at 2011 Price Level).

3. **Rukura Irrigation Project , Odisha (Medium, Revised at an estimated cost of Rs 256.09 Cr at 2013 Price Level)**

Rukura medium irrigation project envisages creation of 38 MCM of live storage for 7,648 ha of annual irrigation in Sundergarh district. Investment clearance for Rs 155.48 Cr (PL 2007) was accorded in June 2006. The present revised cost of the project estimate at Rs 256.09 Cr at 2013 PL, comprises of factors such as price escalation (about 50%), inadequate provisions of several project components in the initial stages (about 30%) and additional new components (about 17 %).

It was clarified by the representative of the State Government that the project could not take off for several years after its first acceptance by the Advisory Committee because of land acquisition problem. The dam of the project is about 74% complete and the canal system is about 17.5 % complete.

As regards data on yield of certain farm products and cost of such produce, it was suggested by the Chairman of Committee to the representative of the State Government that data on state average and project specific as published by the State Statistical departments may be relooked from the view point that such data considered in the project proposal are consistent and representative.

Issues on benefit cost ratio aspect as raised by representative of the Chief Advisor (Cost), Department of Expenditure were clarified in line with such issues raised for above projects.

After deliberation, the Committee accepted the proposal namely Rukura medium irrigation Project (Revised), Estimated cost of Rs 256.09 Cr. at 2013 Price Level).

4. **Manoharthana Irrigation Project, Rajasthan (Medium, New at an estimated cost of Rs 305.35 Cr at 2013 Price Level)**

Manoharthana irrigation project envisages impounding a gross storage of 84.76 M Cum from river Parwan in Jhalawar district. The Annual irrigation proposed under the project is 13245 ha.

The project could not be taken up for discussions as the environmental clearance required as per MOEF notification dated 14.09.2006 is not available.

The project was deferred without prejudice to the merits of the project till the environmental clearance is submitted by the project authorities.

5. The Committee further decided to meet when at least four projects are available for consideration under normal circumstances. On a request from members, it was decided that CWC will circulate TAC note in future at least five working days in advance.

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

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Annex I

List of Members / their representatives and Invitees who participated in the 122nd Meeting of the Advisory Committee of Ministry of Water Resources on Irrigation, Flood Control and Multi-purpose Projects held on December 20, 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 (RM), CWC (Representing Chairman, CWC)	Member
2.	Arun Kumar, Member, (SML),Central Ground Water Board (Representing Chairman, Central Ground Water Board)	Member
3.	Avinash Mishra, Joint Advisor (WR), Planning Commission	Member Men
4.	S.K Kohli, JS&FA, Ministry of Water Resources	Member
5.	B V N Rao, Asstt. Commissioner, Representing Secretary, Deptt. of Agriculture & Cooperation	Member
6.	Abdul Islam, Principal Scientist, NRM Division, ICAR (Representing Director General, Indian Council of Agricultural Research)	Member
7.	R.K. Gupta, Chief Engineer, Project Appraisal Organization, Central Water Commission	Member Secretary

MoWR/Central Water Commission

1. G. Aranganathan, Member (WP&P),
2. Pradeep Kumar, Commissioner (State Projects), Ministry of Water Resources,
3. M.S. Agrawal, Chief Engineer, YBO
4. A.S.P. Sinha, Chief Engineer, M&ERO
5. Gorakh Thakur, Director, Cost Appraisal (Irrigation)
6. T.D. Sharma, SJC (PR), MoWR
7. Ajay Kumar, Director, Project Appraisal (North)
8. Pramod Narayan, Director, Project Appraisal (South)
9. M. S. Sahare, Director, Project Appraisal (Central)
10. B. Rai, Deputy Director, Project Appraisal (Central)
11. J.C. Dwary, Dy, Director, Project Appraisal (Central)
12. Sudhir Kumar, Deputy Director, Project Appraisal (South)
13. A. K. Singh, Deputy Director, Project Appraisal (North)

Ministry of Finance

14. V.K.Shukla, Director (Cost), O/o Chief Advisor (Cost)
15. G.S. Anand, Assistant Director (Cost)

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Ministry of Agriculture

16. Dharmendra Gupta, ASCO, Department of Agriculture

Officers from State Governments:

Madhya Pradesh

1. D.K. Swarnkar, Chief Engineer, WRD
2. S.K. Agarwal, Executive Engineer, Mahi Project, WRD

Manipur

1. Dr. Rajesh Kumar, Principal Secretary (IFCD)
2. Th. Indramani Singh, Chief Engineer
3. N. Karunacharja Singh, Superintending Engineer

Odisha

1. Chithra Arumugam, Additional Secretary, Deptt, of Water Resources
2. Biswajit Mohanty, Chief Engineer, Uppar Mahanadi Basin, Burla
3. Bijoy Kumar, Mohanty, Asstt. Director, O/o EIC, WR
4. Manuj Kumar Panigrahi, R.I. Project

Rajasthan

1. M.C. Jain, Chief Engineer, W.R. Zone Kota
2. N.C. Mathur, Superintending Engineer, W.R. Circle, Jhalawar
3. J.K. Singh, Assistant Engineer, W.R. Division, Aklera, Jhalawar