

No. 16/27/2013-PA (N)/ 2172-92


GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL ORGANIZATION

510(S), SEWA BHAWAN,
R. K. PURAM,
NEW DELHI-110 066
Date: 14.10.2013

Sub: 121st meeting of the Advisory Committee for consideration of techno-economic viability of Irrigation, Flood Control and Multipurpose Project proposals held on 08.10.2013.

Enclosed please find herewith a copy of the summary record of discussions of the above meeting held on 8th October 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. Secretary, PWD (Water Resources), Government of Tripura, New Secretariat Complex, Agartala-799 006.
20. CE, FMO, CWC, New Delhi.

Copy for information to:

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

**Summary Record of Discussions of the 121st Meeting of the Advisory Committee on
Irrigation, Flood Control and Multi- purpose Projects held on Tuesday, October 08, 2013
for Consideration of Techno-economic Viability of Water Resources Projects**

The 121st 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, October 08, 2013 at 04:00 PM 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 and Secretary to the Government of India welcomed the members of the Committee. He apprised the members of the committee on the status of various projects deferred in the 119th and 120th meeting. The status of such projects is as follows:

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.

Madhya Pradesh

Mahi irrigation Project in District Dhar (Revised, Major, Estimated cost of Rs 834.24 Cr. at 2009 price level) was considered during 119th and 120th meetings and was deferred because of certain observation by Advisor (Cost), Ministry of Finance and JS&FA, Ministry of Water Resources.

The compliance of the above observations has been submitted. The TAC note was circulated during the meeting. However, it was noted that the same cannot be taken up for discussions as clarified by Election Commission in the wake of declaration of Election in the state.

Karnataka

Extension, Renovation & Modernization (ERM) of Narayanpur Left Bank Canal System (Major-ERM, Estimated cost of Rs 4103.50 Cr at 2012-13 price level) was considered in 120th TAC meeting but was deferred with the advice by the committee to examine the project proposal in more detail. Since the examination has been completed by CWC the same has been placed before the committee for discussions

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

I. Confirmation of the Summary Record of Discussions held during 120th Meeting of the Advisory Committee.

Summary record of discussions of the 120th 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)/1988-2013 dated 19.09.2013 was confirmed.

II. Project Proposals Considered by the Advisory Committee

Karnataka

a) Extension, Renovation & Modernization of Narayanpur Left Bank Canal System, Karnataka (ERM - Major, Estimated Cost Rs.3752.18 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. It caters to the drought prone district of Yadgir, Gulbarga & Bijapur. 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 taken up during 1982- 1997 and presently it is catering to the need of upper reaches and an area of about 1,42,580 ha is not getting water. Several deficiencies including slope failure and slips, failure of lining, leakage etc. have been noticed in the system. The present proposal comprises works of Lining of the canal system, desilting of canals, strengthening and restoration of canal embankment and canal section, installation of measuring devices etc.

The project on completion will restore the annual irrigation of 1,63,967 ha out of total annual irrigation under the project of 470008 ha. Since the project is an existing one no clearances from Ministry of Environment and Forest, R&R clearance etc are required. Concurrence of State Finance Department has since been obtained, which is placed at **Annex-II.**

Members deliberated various aspects of the project and expressed the need of restoration of the potential and to make the system more effective and fully functional.

After deliberation, the committee accepted the proposal namely Extension, Renovation & Modernization of Narayanpur Left Bank Canal System, Karnataka for Estimated Cost Rs.3752.18 Crore at 2012 - 13 Price Level.

b) Upper Tunga Project (Major, New, Estimated Cost 2561.88 Cr at 2012-13 price level)

The project on river Tunga with a live storage of 50.24 MCM will have an annual irrigation of 80494 ha. It comprises of an earthen dam of 177.50m across river Tunga with centrally located spillway of 321.5 m length. The length of the main canal is 270 km.

The project was considered in 80th TAC in 2003 and was accepted subject to following conditions / submissions:

- Clearance from MOEF
- State Finance Concurrence
- Extension of Hydrological series beyond 1990
- Revision / Validation of design flood.

Since the conditions have now been complied with and the project cost has been updated and finalized at Rs 2561.68 Cr. Concurrence of State Finance Department has since been obtained, which is placed at **Annex-III**.

The status of completion of project as reported to the committee is:

- | | |
|-------------------------------|-----------------|
| • Dam and Appurtenant works - | 100 % completed |
| • Main & branch canals - | 65% completed |
| • Distribution system - | 50% completed |

The expenditure incurred up to 31.03.2013 is Rs 1480.90 Cr.

Members deliberated various aspects of the project and expressed the need of the project to meet the irrigation requirements of the drought prone area. The representative of Government of Karnataka assured the committee that the project will be completed in 2 years time. Copy of letter in this regard is placed at **Annex-IV**.

After deliberation, the committee accepted the proposal Upper Tunga Project for Estimated Cost 2561.88 Cr at 2012-13 price level.

Tripura

- c) Anti Erosion Work along the Bank of River Gumti for Protection of Vulnerable Locations from Dalak Samatal Para to Durgapur under Amarpur, Udaipur and Sonamura Subdivision of South Tripura and west Tripura districts, (Tripura) (**Flood Control, Estimated Cost: Rs.54.99 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 from Dalak Samatal Para to Durgapur under Amarpur, Udaipur and Sonamura Subdivision of South Tripura and West Tripura districts.

The proposed works comprises of construction of launching apron with cement concrete blocks, slope pitching with cement concrete blocks, restoration of slope gradients, geo-textile filter below cement concrete blocks and slope pitching. An area of 2209 ha will be protected with the proposed works and a population of 25326 persons will be benefited.

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 been obtained.

The members deliberated on various aspects of the project particularly, alternative to the stones available and general topographic constraints of the area etc.

After deliberations, the Advisory Committee accepted the proposal of "Anti Erosion Work along the Bank of River Gumti for Protection of Vulnerable Locations from dalak Samatal Para to Durgapur under Amarpur, Udaipur and Sonamura Subdivision of Sout Tripura and west Tripura districts, (Tripura) for Estimated Cost: Rs.54.99 crore 2011 price level.

- d) Anti Erosion Work along the Bank of River Khowaii for Protection of Vulnerable Locations from Netajinagar to Banglahour under Telimura subdivision and from South L. N. Pur to Paharmura bridge under Khowai subdivision of West Tripura district (Tripura) (**Flood Control, Estimated Cost: Rs.91.02 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 from Netajinagar to Banglahour under Telimura subdivision and from south L N Pur to Paharmura bridge under Khowai subdivision of west Tripura district.

The proposed works comprises of construction of launching apron with cement concrete blocks, slope pitching with cement concrete blocks, restoration of slope gradients, geo-textile filter below cement concrete blocks and slope pitching. An area of 4256 ha will be protected with the proposed works and a population of 38693 persons will be benefited.

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 been obtained.

The members deliberated on various aspects of the project particularly, alternative to the stones available and general topographic constraints of the area etc.

After deliberations, the Advisory Committee accepted the proposal of "Anti Erosion Work along the Bank of River Khowaii for Protection of Vulnerable Locations from Netajinagar to Banglahour under Telimura subdivision and from south L N Pur to Paharmura bridge under Khowai subdivision of west Tripura district (Tripura) for Estimated Cost: Rs.91.02 crore 2011 price level.

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

Annex I

List of Members / their representatives and Invitees who participated in the 121st Meeting of the Advisory Committee of Ministry of Water Resources on Irrigation, Flood Control and Multi-purpose Projects held on October 08, 2013

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

Members, Advisory Committee or their representatives / nominees

S/Shri

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| 1. A. B. Pandya, Member (WP&P), CWC (Representing Chairman, CWC) | Member |
| 2. Arun Kumar, Member, Central Ground Water Board (Representing Chairman, Central Ground Water Board) | Member |
| 3. Avinash Mishra, Joint Advisor (WR), Planning Commission | Member |
| 4. S. K. Thakur, Director (Finance), Ministry of Water Resources (Representing Joint Secretary & Financial Advisor, Ministry of Water Resources) | Member |
| 5. Dr. Rajbeer Singh, Principal Scientist, NRM Division, ICAR (Representing Director General, Indian Council of Agricultural Research) | Member |
| 6. R.K. Gupta, Chief Engineer, Project Appraisal Organization, Central Water Commission | Member- Secretary |

MoWR/Central Water Commission

1. V. K. Chawla, Chief Engineer, Irrigation Management Organization,
2. K. N. Keshri, Chief Engineer, Flood Management Organization,
3. Pradeep Kumar, Commissioner (State Projects), Ministry of Water Resources
4. Gorakh Thakur, Director, Cost Appraisal(Irrigation)
5. Shiv Nandan Kumar, Director, FMP
6. Pramod Narayan, Director (P&D)
7. Virendra Sharma, Director, Project Appraisal (South)
8. M. S. Sahare, Director, Project Appraisal (Central)
9. Basishtha Rai, Deputy Director, Project Appraisal (Central)
10. Sudhir Kumar, Deputy Director, Project Appraisal (South)
11. A. K. Singh, Deputy Director, Project Appraisal (North)

Officers from State Governments:

Tripura

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

Karntaka

3. R. Rudraiah, Managing Director, Karnataka Neeravari Nigam Ltd.
4. H.S. Patil, Chief Engineer, Upper Tunga Project, Shimoga
5. Yateesh Chandra, Superintending Engineer, UTP Circle, Shimoga
6. K.G. Mahesh, Executive Engineer, KBJNL, Bangalore
7. K. Javeed Ahmed, Assistant Executive Engineer, KBJNL, Bangalore
8. Vijay Kumar V.M., Assistant Engineer, UTP Div, Ranebennur
9. Kumarswamy. R., Assistant Engineer, UTP Sub Division., Haveri