

No. 16/27/2013-PA (N)/ 837-867

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL ORGANIZATION

510(S), SEWA BHAWAN,
R. K. PURAM,
NEW DELHI-110 066
Date: 27.10.2014

Sub: 124th meeting of the Advisory Committee for consideration of techno-economic viability of Irrigation, Flood Control and Multipurpose Project proposals held on 16.10.2014.

Enclosed please find herewith a copy of the summary record of discussions of the above meeting held on 16th October, 2014 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, 2nd 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. Chairman, GFCC, Patna
17. Commissioner (Projects), Room No-411, S.S.Bhawan, MoWR, New Delhi.
18. Commissioner (Ganga), MoWR, CGO Complex, Lodhi Road, New Delhi
19. Chief Advisor (Cost), Department of Expenditure, Ministry of Finance, Lok Nayak Bhawan, New Delhi.
20. Principal Secretary, Water Resources Department, Government of Odisha, Rajiv Bhawan, Bhubaneshwar-751001.
21. Principal Secretary, Water Resources , Govt. of Madhya Pradesh, Sachivalaya, Arera Hills, Bhopal
22. Secretary, Water Resources Deptt, Govt. of Maharashtra, Mantralaya, Mumbai, 400032
23. Secretary, Department of Irrigation & Flood Control, Government of Assam, Secretariat, Guwahati-781006
24. Principal Secretary, Water Resources Department, Govt. of Bihar, Sinchai Bhawan, Patna
25. The Secretary (Irrigation), Government of Uttarakhand, Sachivalaya, Dehradun - 248 001.
26. Principal Secretary, Irrigation & Water Resources Department, Govt. of UP, Bapu Bhawan, Lucknow, Uttar Pradesh.
27. CE, PPO, CWC, New Delhi.
28. CE, FMO, CWC, New Delhi.
29. CE, M&ERO, CWC, Bhubaneshwar.
30. CE, NBO, CWC, Bhopal

Copy for information to:

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

Summary Record of Discussions of the 124th Meeting of the Advisory Committee on Irrigation, Flood Control and Multi- Purpose Projects held on Thursday, October 16, 2014 for Consideration of Techno-Economic Viability of Water Resources Projects

The 124th 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 Thursday, October 16, 2014 at 10.00 hrs 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. For the present meeting all agenda items proposed/ circulated was taken up for discussions.

(i) Confirmation of the minutes of 123rd meeting

The 123rd meeting of the Advisory Committee of MoWR on Irrigation, Flood Control and Multi-purpose Projects was held on 30th January 2014. Summary Record of Discussion was circulated vide letter No. 16/27/2013-PA (N)/227-51 dated 31.01.2014. It was informed by the member-secretary that no comments have been received on the minutes. The Summary Record of Discussion of 123rd meeting was confirmed.

(ii) Proposals deferred in previous meetings of the Advisory Committee

Following decisions were taken in respect of the project proposal which was deferred in previous meeting of the Advisory Committee.

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 crore at 2012 price level) was discussed in 118th to 123rd meeting and was deferred for the want of State Finance Concurrence (SFC). Now the project authorities submitted SFC for Rs. 29.39 crore and the project was accepted by the Committee.

(iii) **Project Proposals Considered by the Advisory Committee**

A. **Flood Control Projects**

1. **Integrated Flood and River Bank Erosion Management Works at Rohmorla in Assam (Estimated cost Rs 78.48 Cr Price Level 2013-14)**

This project is located about 20 km north-east of Dibrugarh district on the south bank of river Brahmaputra in upper Assam. The area is facing severe problem because of the land erosion and in turn is affecting a large number of tea gardens and army cantonment area due to flood.

This proposal envisages construction of geo bag protection works along the south bank of River Brahmaputra at upstream reach to control the bank erosion. The project cost is finalized by CWC as Rs.78.48 Crores. The B.C Ratio for the Project has been estimated as 2.13.

After deliberations, the Committee accepted the proposal.

2. **Modernisation of Thanneermukkom Barrage in Kerala (Estimated cost Rs. 255.34 Cr Price Level 2012)**

Thanneermukkom Barrage is located at Thanneermukkom, 25 km north of Alappuzha and is built at a narrow region of Vembanad lake, between Vechoor in East and Thanneermukkom in the West.

The project aims at reducing the salinity water ingress and also to protect the area from tidal effect, which is largely below the sea level and thereby effecting the livelihood of the area.

The proposed works comprises of replacement of existing mild steel shutters with corrosion free shutters, construction of gated structure in place of central bund portion to replace the central coffer dam portion, removing of accumulated silt at upstream of barrage and automation of operation of shutters using salinity and water level monitors established across the lake at upstream and downstream of barrage. The project cost is finalized by CWC at Rs.255.34 Cr. The B.C Ratio for the Project has been estimated as 1.19.

After deliberations, the Committee accepted the proposal.

3. **Anti-erosion work near Khairpur, Raghopur, Akidatpur and Shankarpur village on the left bank of river Ganga upstream of Vikramshila bridge and activation of**

Kargil Dhar in Bhagalpur district of Bihar (Estimated cost Rs. 68.3226 Cr at 2013-14 Price Level)

One of the major component of the proposed project is activation of the Kargil Dhar in length of about 5.6 km. It has also been indicated that works to be carried out under this item will be finalized after completing the model studies which have taken up with CWPRS, Pune. The proposal was discussed and it was felt by the Committee that since this is a major component of the proposed work. In absence of technical inputs to be given based on model studies, the cost of the project may get effected and cannot be finalized at this stage.

It was, therefore, proposed that the project may be resubmitted after completion of the model studies and if required, the cost may be revised.

4. Revised Bagha town protection works (Phase-I) on the left bank of river Gandak in West Champaran District of Bihar (Estimated cost Rs 90.78 Cr at 2013-14 Price Level)

The B.C. Ratio of the Project has been estimated as 1.18. It has been indicated in the proposal that the revision of cost is due to increase in the land cost. The project has been completed but the land cost has not been paid. During the discussions with the representatives of the State Government, it was mentioned that the project was completed with the understanding that the increased land cost will be paid to the land owners subsequently. After discussion, the Committee members felt that since the project has been completed and this revision in the cost is for the settlement of the financial accounts, therefore the revised cost was accepted with the condition that additional liability on account of increase in the land cost will be borne by the State Government.

5. Bagha Town Protection Scheme (Phase-III) on the left bank of river Gandak in West Champaran district of Bihar (Estimated cost Rs 75.71 Cr at 2012 Price Level)

This proposal is in continuation of earlier proposal of Phase I and II, which have been completed and the works proposed under Phase-III is of similar nature as completed under Phase I & II, comprising of protection of erosion at several locations endangering various installations and habitation in Bagha town. The project cost has been finalised by GFCC at Rs. 75.71 Cr at 2012 Price level and the B.C. Ratio is estimated as 4.6.

After deliberations, the Committee accepted the proposal.

6. Scheme for restoration of spurs no. 1,7,8 & 9 and construction of new spurs between spur no.4 & 5, construction of bed bars in the downstream of spur no.

road of Ismailpur-Bindtoli embankment on left bank of river Ganga downstream of Vikramshila bridge and activation of Chourasi Dhar in Bihar (Estimated cost Rs 96.3 Cr at 2012 Price Level)

One of the important component proposed under this proposal is the activation of Chourasi Dhar for which the model studies have been proposed to CWPRS, Pune. Pending finalization of such studies, the Committee after deliberations suggested that this project may be deferred and may be taken up only after completion of model study and revising the cost, if required.

It was further proposed by the Committee that the model studies to be carried out by CWPRs should be an integrated study for upstream and downstream so that any impact of any proposed works in the upstream may not have a negative impact on the downstream. The model studies in isolation may not give a meaningful technical output.

7. Protection Work on both bank of Bhagirathi river at Uttarkashi in District Uttarkashi in Uttarakhand (Estimated cost Rs. 48.814 Cr at Price Level 2013-14)

The proposal envisages construction of protection works along the Bhagirathi river to protect the agricultural lands from erosion and inundation. A large population is residing in the area and the proposed protection works will benefit the population.

The scheme has been examined in GFCC and has been considered techno-economically viable at a Benefit Cost ratio of 1.35. After deliberations, the Committee accepted the proposal.

8. River Training Works including miscellaneous associated works on both banks of Bhagirathi river as per requirement from Jhulapul to Tiloth bridge excluding proposed works on left from Tiloth bridge to Switchyard of Maneri Bhali-I at Uttarkashi in Uttarakhand (Estimated cost Rs. 76.71 Cr at Price Level 2013-14)

The proposal envisages construction of protection works along the Bhagirathi river to protect the agricultural lands from erosion and inundation. A large population is residing in the area and the proposed protection works will benefit the population.

The scheme has been examined in GFCC and has been considered techno-economically viable at a Benefit Cost ratio of 1.70. After deliberations, the Committee accepted the proposal.

9. **Project for construction of Studs and Marginal Bund for protection of population and agricultural land from Banjarewala to Alawalpur village situated at banks of River Solani in District Haridwar in Uttarakhand (Estimated cost Rs. 38.898 Cr at Price Level 2014)**

The proposal envisages construction of protection works along the river course to protect the agricultural lands from erosion and inundation. A large population is residing in the area and the proposed protection works will benefit the population.

The scheme has been examined in GFCC and has been considered techno-economically viable at a Benefit Cost ratio of 1.42. After deliberations, the Committee accepted the proposal.

10. **Flood Protection Scheme of Villages from Dakpathhar Barrage to NH-72 Kulhal Paonta Sahib Bridge from River Yamuna (Left Bank) in Vikasnagar Block, District Dehradun in Uttarakhand (Estimated cost Rs. 77.349 Cr at Price Level 2013-14)**

The proposal envisages construction of protection works along the river course to protect the agricultural lands from erosion and inundation. A large population is residing in the area and the proposed protection works will benefit the population.

The scheme has been examined in GFCC and has been considered techno-economically viable at a Benefit Cost ratio of 2.69. After deliberations, the Committee accepted the proposal.

11. **Project for Anti-Erosion and drainage work of Udmadi Rao Nala from Village-Kheda Pachhawa to Village-Fatehpur (Aasan River) in Vikasnagar Block, District Dehradun Uttarakhand (Estimated cost Rs. 34.05 Cr at Price Level 2013-14)**

The proposal envisages construction of protection works along the Udmadi Rao Nala to protect the agricultural lands from erosion and inundation. A large population is residing in the area and the proposed protection works will benefit the population.

The scheme has been examined in GFCC and has been considered techno-economically viable at a Benefit Cost ratio of 1.82. After deliberations, the Committee accepted the proposal.

12. **Project for Flood Protection Works for Hilly Shivalik Range Originated Nalas (Between Villages Sekhuwala to Prateetpur) in Vikasnagar Block, District Dehradun Uttarakhand (Estimated Cost Rs. 31.25 Cr at Price Level 2013-14)**

The proposal envisages construction of protection works along the nalas to protect agricultural lands from erosion and inundation. A large population is residing in the area and the proposed protection works will benefit the population.

The scheme has been examined in GFCC and has been considered techno-economically viable at a Benefit Cost ratio of 2.17. After deliberations, the Committee accepted the proposal.

13. Scheme for Flood Protection Works of villages from River Asaan (Between Sahaspur-Sabhawala Bridge to Kunja Grant) in Vikasnagar Block, District Dehradun Uttarakhand (Estimated cost Rs. 57.74 Cr at Price Level 2013-14)

The proposal envisages construction of protection works along the Aasan river to protect the agricultural lands from erosion and inundation. A large population is residing in the area and the proposed protection works will benefit the population.

The scheme has been examined in GFCC and has been considered techno-economically viable at a Benefit Cost ratio of 1.53. After deliberations, the Committee accepted the proposal.

B. Irrigation Projects

1. Kanhar Irrigation Project, Uttar Pradesh (Revised Cost, Major, Cost Estimate Rs. 2252.29 crore Price Level 2013)

The Kanhar Irrigation Project, Uttar Pradesh is located in Sonbhadra district. It envisages providing irrigation to command area of 26075 ha with annual irrigation of 35467 ha. The proposal under consideration is the revised cost estimate for Rs.2252.29 crore at the price level 2013. The investment clearance for the original project cost of Rs.652.58 crore was accorded by Planning Commission dated 5.12.2010 at price level 2008-09. The revision in cost is largely because of the price escalation and changes in the designs. The benefits cost ratio of the project is 1.42 which is acceptable since the project is providing benefits to drought prone areas. After deliberation, the Committee accepted the proposal.

2. Telengiri Irrigation Project, Odisha (Revised Cost, Medium, Cost Estimate Rs. 613.71 crore Price Level 2013)

This project envisages providing irrigation facilities in Jeypore sub-division of KBK region of Odisha. The project was accepted by the Advisory Committee in 1999 at a cost of Rs.106.18 crores at price level 1999. The first Revised Cost estimate at a cost

of Rs.474.05 crore at a price level of 2009 was accepted by the Advisory Committee in November 2009. The present proposal is the second revision at the price level 2013 at the cost Rs.613.71 crore. The benefit cost ratio is 1.14. Since the project is providing benefit to the KBK region of Odisha, therefore, this benefit cost ratio is acceptable. The major increase in cost is largely because of the price escalation (62%). The representative of the State Government assured that the land acquisition will be completed in the next two years and the project will be completed in the proposed 4 years. After deliberations, the committee accepted the proposal.

3. Rengali Irrigation Sub-Project LBC-II, Odisha (Revised Cost, Major, Cost Estimate Rs. 3603.67 crore Price Level 2013)

The project is under construction since 1973. The project has been divided in various stages and phases. The Right Bank Canal system under stage-II is under AIBP. The present proposal envisages construction of Left Bank Canal under Phase-II. It is the second revision of cost of this sub project LBC-II (29.177- 41.0 Km.). The project is proposed for external funding by State Government. The major increase in cost is because of price escalation(70%) and changes in design (15%). The benefits cost ratio of the project is 1.6. After deliberation, the Committee accepted the proposal.

4. Kachhal Medium Irrigation Project, Madhya Pradesh (Revised Cost, Medium, Cost Estimate Rs. 90.31 crore Price Level 2009)

The original project proposal was accepted by the Advisory Committee in October 2010 at an estimated cost of Rs. 62.47 crore at price level 2009. The proposal under consideration for revised cost estimate is Rs.90.31 crore at the price level of 2009. The major increase in cost is due to price escalation(42%) due to increase in land cost. The proposal was discussed by the Committee. The representative of the Planning Commission informed the Committee that in July 2014 the Planning Commission accepted the proposal for time extension wherein the Principal Secretary (WRD), Govt. of MP has certified that the project will be completed with the originally approved cost. During the discussions the representative of the State Government informed that the State Government has approved the revised cost in 2013 itself. It was also informed by the representative of State Government that expenditure towards land acquisition has already been made. The Committee expressed displeasure in context of misrepresentation of facts to different organizations (viz. Planning Commission and CWC). With the above observations, the Committee accepted the proposal.

Estimate Rs. 1482.08 crore Price Level 2013-14)

The project comprises of construction of 4 dams, a pick up weir and about 128 km. of left bank canal to provide annual irrigation to 43861 ha. The first cost revision of the project was accepted by the Advisory Committee in January 2009 for an amount Rs. 941.33 crore at a price level of 2008-09. The present revised cost at Rs.1482.08 crore at price level 2013-14 comprises of the increase in cost due to price escalation (64.6%) and changes in the design(37.4%). The benefit cost ratio of the project is 1.14. Since the project provides benefits to the drought prone areas of Aurangabad district, this benefit cost ratio is acceptable. The project was deferred for consideration in the next Advisory Committee without any prejudice to the merits of the proposal as the model code of conduct is in place in the State.

6. Lower Terna Project, Maharashtra (Revised Cost, Major, Cost Estimate Rs. 435.15 crore Price Level 2011-12)

The project at an estimated cost of Rs.37.56 crore at price level 1980-81 was accepted by the Advisory Committee in July 1982. Subsequent to the 1993 Latur earthquake, there have been changes in the scope of the project. The project proposal is the revised cost estimate at Rs.435.15 crore at a price level of 2011-12. The revised proposal envisages providing annual irrigation of 23473 ha. The increase in cost is largely due to price escalation (45.8%), and change in scope (28%). The project was deferred for consideration in the next Advisory Committee without any prejudice to the merits of the proposal as the model code of conduct is in place in the State.

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

**List of Members / their representatives and Invitees who participated in the 124th
Meeting of the Advisory Committee of Ministry of Water Resources on Irrigation, Flood
Control and Multi-purpose Projects held on October 16, 2014**

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

**Members, Advisory Committee or their representatives / nominees
S/Shri**

- | | | |
|----|--|---------------------|
| 1. | A.B. Pandya, Chairman, Central Water Commission | Member |
| 2. | Dr. K. Md. Najeeb , Member,(SML) Central Ground Water Board
(Representing Chairman, Central Ground Water Board) | Member |
| 3. | Avinash Mishra, Joint Advisor, Planning Commission | Member |
| 4. | S. K. Kohli, JS&FA, Ministry of Water Resources Representing
Ministry of Finance | Member |
| 5. | K.N. Garg, Member (Hydro), CEA (Representing Chairman
Central Electricity Authority) | Member |
| 6. | Dr. D. kumar, Deputy Commissioner (NRM) (Representing
Secretary, Deptt. of Agriculture & Cooperation) | Member |
| 7. | Adul Islam, Principal Scientist, NRM Division, ICAR
(Representing Director General, Indian Council of Agricultural
Research) | Member |
| 8. | Roopak Chaudhari, Deputy Secretary , MoTA (Representing
Secretary M/o Tribal Affairs) | Member |
| 9. | R.K. Gupta, Chief Engineer, Project Appraisal Organization,
Central Water Commission | Member
Secretary |

S/Shri

1. A. Mahendran, Member (WP&P), CWC
2. Narendra Kumar, Member (RM), CWC
3. C.K. Agrawal, Member (D & R), CWC
4. Pradeep Kumar, Commissioner (State Projects), MoWR
5. N.K. Mathur, Commissioner (Ganga), MoWR
6. A.S.P. Sinha, Chief Engineer (M&ERO), CWC
7. C.P. Singh, Chief Engineer (FMO) , CWC
8. P.M. Scott, Director (Ext. Assistance), CWC
9. L.P. Singh, Director (M&A), Bhopal, CWC
10. M.S. Sahare, Director, Project Appraisal (North), CWC
11. Pramod Narayan, Director, Project Appraisal (South)
12. Vimal Kumar, Dy. Director (Ext. Assistance)
13. Sudhir Kumar, Deputy Director, Project Appraisal (South)
14. A. K. Singh, Deputy Director, Project Appraisal (North)
15. J.C. Dwary, Deputy Director, Project Appraisal (Central)
16. M.S. Saravana Kumar, Assistant Director, Project Appraisal (Central)

Ganga Flood Control Commission

S/Shri

1. G.S. JHA, Chairman,
2. A. Parmesham, Member (C)
3. A.K. Sinha, Member (Planning)
4. Anil Jain, Director (C)
5. U.K. Sharma, Dy. Director

CGWB

S/Shri

1. Dr. S.K. Gupta, Scientist-D, CGWB

M o Finance

S/Shri

1. Manish Tripathi, Director (Finance),

Officers from State Governments:

Assam

S/Shri

1. Ananta Kumar Baruah, Chief Engineer
2. Deep Pegu Deputy Director

Bihar

S/Shri

1. Dipak Kumar Singh Secretary
2. Indu Bhushan Kumar Chief Engineer, Monitoring
3. Uday Kumar, Resident Engineer

Kerala

S/Shri

1. Venugopala Pai.Kr. Chief Engineer
2. Joseph Scaria Executive Engineer

Madhya Pradesh

S/Shri

1. Shri M.S. Dawar Chief Engineer
2. Sipica Srivastava, Liasion Officer, GoMP

Maharashtra

S/Shri

1. C.A. Birajdar, Executive Director
2. S.R. Tirmanwar S.E. Beed Superintending Engineer
3. A.D. Kokate Superintending Engineer
4. A.M. Lawhale, Superintending Engineer
5. R.P. Phulambrikar Executive Engineer
6. R.S. Patil, Executive Engineer
7. D.M. Kadam, Sub Division Engineer

Odisha

S/Shri

1. Pradeep Jena, Principal Secretary
2. J.B. Mahapatra, Engineer-In-Chief
3. K.K. Dash P.D. Cum Chief Engineer & Basin Manager
4. M.R. Shukla, Chief Construction Engineer
5. D.R. Behra, Dy. Executive Engineer

S/Shri

1. O.P. Srivastava, Superintending Engineer
2. K.P. Pandey, Executive Engineer
3. S.K. Singh, Assistant Engineer

Uttarakhand

S/Shri

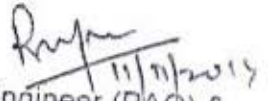
1. D.P. Jugran, Chief Engineer (Garhwal).
2. J.P. Singh, Superintending Engineer
3. J.B. Singh, Dy. G.M.
4. Subhash Chandra, Executive Engineer,
5. Vikas Srivastava, Executive Engineer
6. Anil Kumar, AEE,
7. Sachin Kumar Singhal, Assistant Engineer

No. 16/27/2014-PA (N)/ 898-928
Government of India
Central Water Commission
Project Appraisal Organization

Room No. 510(S), Sewa Bhawan,
R.K. Puram, New Delhi
Dated: 11-11-2014

CORRIGENDUM

Minutes of the 124th meeting of Advisory committee held on 16th of October, 2014 have been circulated to the members of the committee. The entry at 3rd line of B.- Irrigation Project - 3. Rengali Irrigation sub Project LBC- II Odisha at page no. 7 has a editorial mistake which may be read as "It is the second revision of cost of this sub- project LBC-II (29.177 - 141.0 km)." instead of It is the second revision of cost of this sub- project LBC-II (29.177 - 41.0 km).


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, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
6. Secretary, Ministry of Tribal Affairs, Room No. 738, A-Wing, Shastri 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, New Delhi.
10. Sr. Adviser (Power), Planning Commission, Room No-107, Yojana Bhawan, New Delhi.
11. Adviser (WR), Planning Commission, Yojana Bhawan, New Delhi.
12. Joint Secretary & Financial Adviser, Ministry of Water Resources, Room No-401 S.S. Bhawan, New Delhi.

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17. Commissioner (Ganga), MoWR, CGO Complex, Lodhi Road, New Delhi
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19. Principal Secretary, Water Resources Department, Government of Odisha, Rajiv Bhawan, Bhubaneshwar-751001.
20. Principal Secretary, Water Resources , Govt. of Madhya Pradesh, Sachivalaya, Arera Hills, Bhopal
21. Secretary, Water Resources Deptt, Govt. of Maharashtra, Mantralaya, Mumbai, 400032
22. Secretary, Department of Irrigation & Flood Control, Government of Assam, Secretariat, Guwahati-781006
23. Principal Secretary, Water Resources Department, Govt. of Bihar, Sinchai Bhawan, Patna
24. The Secretary (Irrigation), Government of Uttarakhand, Sachivalaya, Dehradun - 248 001.
25. Principal Secretary, Irrigation & Water Resources Department, Govt. of UP, Bapu Bhawan, Lucknow, Uttar Pradesh.
26. CE, PPO, CWC, New Delhi.
27. CE, FMO, CWC, New Delhi.
28. Chairman, GFCC, Patna
29. CE, M&ERO, CWC, Bhubaneshwar.
30. CE, NBO, CWC, Bhopal

Copy for information to:

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