

Government of India
Central Water Commission
Project Appraisal Organisation

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Room No 511(S), Sewa Bhawan,
R.K.Puram, New Delhi-110066.

Subject: 51st Meeting of the Advisory Committee on Irrigation,
Flood Control and Multipurpose Projects held on 4.12.91
in Shram Shakti Bhawan, New Delhi.

The Summary Record of the 51st Meeting of the Advisory
Committee on Irrigation, Flood Control and Multipurpose Projects
held on 4.12.91 in the Committee Room of Ministry of Water
Resources, Shram Shakti Bhawan, New Delhi is circulated herewith.

(T.S.MURTHY)

Chief Engineer (PAO) and Member
Secretary

Telephone No.603561

Encl: As above.

- 1.Dr.M.A.Chitale, Secretary, Ministry of Water Resources, S.S.
Bhawan, New Delhi.
- 2.Dr.C.D.Thatte, Chairman, CWC, Sewa Bhawan, R.K.Puram, New Delhi.
- 3.Secretary (Expenditure), Ministry of Finance, North Block, N.Delhi.
- 4.Secretary, Deptt.of Power, S.S.Bhawan, Rafi Marg, New Delhi.
(Nominee Shri V.K.Khanna, Jt.Secretary).
- 5.Secretary, Ministry of Environment and Forest, Paryavaran Bhawan,
CGO Complex, New Delhi.
- 6.Smt.Usha Vohra, Secretary, Ministry of Welfare, Room No.604,
A-Wing, Shastri Bhawan, New Delhi.
- 7.Secretary, Deptt.of Agriculture & Co-operation (Nominee Sh.R.N.
Merhotra, Addl.Commissioner, Room No.104, Wing-B, Shastri Bhawan,
New Delhi.
8. Director General, I&CAR, Krishi Bhawan, New Delhi (Nominee Dr.
I.F.Abrol, Dy.Director General SAE).
- 9.Chairman, Central Electricity Authority, Sewa Bhawan, R.K.Puram,
New Delhi.
- 10.Chairman, Central Ground Water Board, Jamnagar House, New
Delhi.
11. Adviser (I&CAD), Planning Commission, Yojana Bhawan, New
Delhi.
- 12.Adviser (Energy), Planning Commission, Yojana Bhawan, New
Delhi.
13. Financial Adviser, Ministry of Water Resources, Shram
Shakti Bhawan, New Delhi.

CWC U.O.No.16/27/91-PA(N)/

dated December, 1991

Cont..2/-

Ministry of Water Resources.

1. Additional Secretary, S.S.Bhawan, New Delhi.
2. Joint Secretary (PP), S.S.Bhawan, New Delhi.
3. Commissioner (PR), S.S.Bhawan, New Delhi.
4. Commissioner (Inlus), 11th Block, 8th Floor, CGO Complex, Lodhi Road, New Delhi.
5. Commissioner (B&N), CGO Complex, Lodhi Road, New Delhi.
6. Joint Commissioner (PP), S.S.Bhawan, New Delhi.
7. Joint Commissioner (PR), S.S.Bhawan, New Delhi.
8. Joint Commissioner (RM), S.S.Bhawan, New Delhi.

Central Water Commission, Sewa Bhawan, R.K.Puram, New Delhi.

1. Member (R&P)
2. Member (RM).
3. Member (D&R).
4. Member (WP).
5. Chief Engineer (PRO).
6. Chief Engineer (Mon-South).
7. Chief Engineer (Mon-North).
8. Chief Engineer (FM).
9. Director (PA-N)/(PA-S)/(PA-C).
10. Director (PPO-N)/(PPO-S)/(PPO-C).
11. Director, Cost Engineering (I).
12. Director, FCD (East).

Department of Environment.

1. Dr. S. Maulgal, Advisor, Department of Environment, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.

Department of Agriculture.

1. Shri S.S. Chibber, Joint Commissioner (PR), Ministry of Agriculture, Department of Agriculture & Co-op., Krishi Bhawan, New Delhi.

States:

To,
The Secretary,

Government of _____



(P.S. MURTHY)
Chief Engineer (PAO) &
Member Secretary.
Telephone No. 603561.

Summary Record of the 51st meeting of the Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 4.12.1991 in the Committee Room of Ministry of Water Resources, Shram Shakti Bhawan, New Delhi

List of Officers who attended the meeting is at Annexure-I.

1. The Secretary (WR) & Chairman of the Advisory Committee welcomed the members and other invitees for the meeting. He suggested that before taking up the projects put up for consideration, he would like the Committee to consider the note circulated by the CWC indicating the status of techno-economic appraisal of major irrigation/multipurpose and medium irrigation projects received in CWC and which were yet to be cleared by the Advisory Committee and approved by the Planning Commission. The Status note indicated that in addition to many new projects yet to be taken up, there were many ongoing projects still pending on which the Planning Commission have been allocating funds during the Annual Plan. He informed the Committee that during the meetings taken by the Union Minister for Water Resources with the Members of Parliament of various States, many of the Members voiced their concern at the delay in clearance of these projects and the Minister had given an assurance that clearance of these projects would be expedited. He, therefore, desired that the Committee should consider how best this huge backlog of unapproved projects should be processed and cleared expeditiously.

2. Adviser (I&CAD), Planning Commission informed the Committee that for the Annual Plan 1992-93, the Working Group of the Planning Commission have been recommending outlays only to such projects which were approved by the Planning Commission or considered by the Advisory Committee and found acceptable or those which were Externally Aided. For other ongoing unapproved projects no outlays were recommended for the year 1992-93. Member (R&P), CWC appraised the Committee that in pursuance of the assurance given by the Union Minister for Water Resources, as a follow up, he had been taking Review Meetings State by State with State Government Officers in the State Capitals or in New Delhi for chalking out a suitable programme of compliance and so far the States of Andhra Pradesh, Bihar, Karnataka, Kerala, Madhya Pradesh and Uttar Pradesh have been covered.

3. After discussions the following decisions were taken for ongoing unapproved projects:-

(i) There were many major and medium irrigation projects which were considered by the Advisory Committee and found acceptable subject to certain observations. These observations mainly related to clearance from the environment and forest angle. With a view to expedite these clearances, Adviser (I&CAD), Planning Commission will convene a meeting with the officers of the CWC and the Ministry of Environment and Forest.

(Action: Planning Commission)

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ii) In case of externally aided projects, since these would have been examined by the World Bank team before being funded, the CWC will sort out all outstanding issues with the State Governments and put up a note on such projects to the Advisory Committee in its next meeting.

(Action: C.W.C.)

(iii) All such on-going projects on which no outlays have been recommended by Planning Commission during 1992-93 would be excluded by the CWC from the list of on-going projects.

4. The workload on new projects which will be required to be taken up for techno-economic appraisal by CWC during the 8th Five Year Plan was also discussed and it was agreed that;

i) Taking into consideration the State's resources position and the spillover cost of on-going projects, new projects to be included in the 8th Plan proposals are being finalised by the Planning Commission. However, no outlays are being recommended during the Annual Plan until they are cleared by the Advisory Committee, Planning Commission.

ii) Only such projects which are included in the 8th Five Year Plan proposal would be taken up for techno-economic appraisal by CWC. The CWC in consultation with Planning Commission will make assessment of the workload involved and a note would be put up to the Advisory Committee.

(Action: CWC)

5. Thereafter the projects put up to the Advisory Committee for consideration were discussed as under:-

I. Flood Control Projects.

1. Protection of Bokalmua (Howlghat) and its adjoining area from erosion of river Brahmaputra.

Estimated Cost Rs. 14.33 Crores.

2. Anti-erosion scheme for protection of Nagabholi-Mallan area Upstream of Dibrugarh Town along river Brahmaputra, Assam. Estimated Cost Rs. 10.74 Crores

Estimated Cost- Rs. 10.74 Crores.

These two projects were considered and found acceptable by the Advisory Committee for investment clearance.

(Action: Planning Commission)

II. New Medium Irrigation Projects.

- 1) Pathani Dam Project-U.P.

(Sl. No. 16 of 1991) Estimated Cost, Rs. 12.54 Crores)

- 2) Deo Irrigation Project, Orissa.

(Sl. No. 19 of 1991) - Estimated Cost Rs- 52.227 Crores).

The above two projects were considered and found acceptable by the Advisory Committee for investment clearance.

(Action: Planning Commission)

III. New major irrigation/multipurpose projects

1) Narmada Canal Project, Rajasthan

(Sl.No.12 of 1991)-Estimated Cost Rs.467.53 Crores

2) Jaismandi Modernisation Project, Rajasthan

(Sl.No.13 of 1991)-Estimated Cost Rs.12.40 Crores.

3) Modernisation of Upper Ganga Canal Phase I (First time slice-U.P.)

(Sl.No.14 of 1991)-Estimated Cost-Rs.467.76 Crores

These projects were considered and found acceptable by the Advisory Committee for investment clearance.

(Action: Planning Commission)

4. Vamsadhara Stage-II Project, Andhra Pradesh

(Sl.No.21 of 1991)-Estimated Cost Rs.275.74 Crores

The representative of the Ministry of Welfare indicated that in the notes circulated, information regarding rehabilitation and resettlement of tribal population was very sketchy. It was clarified by the Director (F&S), CWC, that detailed RR Plans had already been furnished to the Ministry of Welfare in November 1990 by the State Government, and this had been mentioned in the note. The representative of the Ministry of Welfare promised to look into the same and expedite the clearance. It was also seen that the project was yet to be cleared from environment and forest angle. Secretary (WR) & Chairman of the Advisory Committee advised the State Government officers to get in touch with the Ministry of Environment and Forest and expedite the clearances by discussions and furnishing any additional information/clarifications required. The project was otherwise found acceptable by the Advisory Committee.

(Action: State Govt. of A.P., Ministry of Welfare)

IV) Revised Major Irrigation/Multipurpose Projects

1) Increasing Capacity of Deokali Pump Canal, UP

(Sl.No.17 of 1991)-Estimated Cost Rs.35.24 Crores.

2) Increasing Capacity of Naryanpur Pump Canal, UP

(Sl.No.20 of 1991)-Estimated Cost Rs.52.02 Crores

The above projects were considered and found acceptable by the Committee for investment clearance.

(Action: Planning Commission)

V) Revised medium irrigation projects

1) Borolia Irrigation Scheme, Assam

(Sl.No.15 of 1991)-Estimated Cost Rs.33.37 Crores.

2) Balh Valley Irrigation Project, H.P.

(Sl.No.18 of 1991)- Estimated Cost Rs.8.22 Crores

The above projects were considered and found acceptable by the Committee for investment clearance.

(Action: Planning Commission)

Annex-I

List of Officers present in the 51st meeting of the
Advisory Committee on irrigation, flood control and
multipurpose projects held on 4.12.1991

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PRESENT

1. Dr.M.A.Chitale, Secretary, Ministry of Water Resources
-Chairman
2. Dr. C.D.Thatte, Chairman, CWC - Member
3. Shri B.N.Navalavala, Adviser, I&CAD, Planning Commission
- Member
4. Shri R.N.Mehrotra, Additional Commissioner, SWC&W.M.representing
Secretary, Ministry of Agriculture - Member
5. Shri M.L.Lath, Chairman, Central Ground Water Board
- Member
6. Shri Syam S.Agarwal, Deputy Secretary representing Secretary,
Ministry of Welfare - Member.
7. Mrs.Subhadra.S., Deputy Secretary representing Secretary,
Department of Power - Member
8. Shri V.V.Rao, Director(F)representing Financial Adviser,
Ministry of Water Resources - Member
9. Shri T.S.Murthy, Chief Engineer(PAO), CWC
- Member Secretary.

Ministry of Water Resources

1. Shri S.R.Sahasrabudhe, Commissioner(PR).
2. Shri Ramesh Chandra, Commissioner(B&N).
3. Shri A.Sekhar, Jt.Commissioner(Indus).

Central Water Commission

1. Shri C.Sudhindra, Member(P&P).
2. Shri A.B.Joshi, Member(RM).
3. Shri P.C.Jain, Chief Engineer(FM).
4. Shri T.Parthasarthy, Chief Engineer(FEO).
5. Shri S.L.Pahuja, Director(PFO-S).
6. Shri A.K.Mohana, Director(PFO-C).
7. Shri T.M.Suri, Director(PA-C).
8. Shri P.C.Lau, Director(PA-N).
9. Shri M.C.Dhawan, Director(PA-S).
10. Dr. Purntam Rao, Director(Agronomy).
11. Shri M.P.Gupta, Director(Economics).

Ministry of Agriculture

1. Shri S.S.Chibber, Jt.Commissioner(PR), Ministry of Agriculture
(Department of Agriculture & Coop.).

Present for relevant items only

Uttar Pradesh

1. Shri C.B.Rai, C.E.(Sone), Irrigation Department UP, Sigra,
Varanasi.

2. Shri B.B.L.Goel, Project Coordinator & C.E.
(Modernisation Projects).
3. Shri M.Y.Ansari, C.E.(I&P) World Bank.
4. Shri R.P.Singh, S.E., UGC, (WB).
5. Shri Lakshmi Narayan, S.E.(I&P).
6. Shri L.K.Gaur, S.E.(Irrigation Construction Circle), Jhansi.
7. Shri V.S.Mathur, S.E., ICC, Varanasi.

Rajasthan

1. Shri P.L.Roongta, Additional Chief Engineer.
2. Shri H.G.Acharya, S.E., Narmada Canal.
3. Shri O.P.Singhal, S.E., Irrigation Jakham Circle.
4. Shri B.V.C.Bhandari, Agronomist.
5. Shri V.N.S.Bhatnagar, Jt.Director(Agro).

Assam

1. Shri S.K.Nath, Secretary, Flood Control.
2. Shri Pranav Borah, C.E.(Flood Control).
3. Shri K.K.Shome, S.E., Gauhati, Project Circle.

Andhra Pradesh

1. Shri C.R.Arjunan, Deputy Secretary(Technical) I&CAD Deptt.
2. Shri B.Rosaih, S.E.(Investigation) I&CAD Deptt.

Orissa

1. Shri K.M.Patnaik, C.E., Central Planning Unit.

Himachal Pradesh

1. Shri B.D.Takhar, Executive Engineer, I&PH Division, Baggi.

No.: 16/27/91-PA(N)/
Government of India
Central Water Commission
Project Appraisal Organisation

Jhansi.

Sewa Bhawan,
R.K.Puram,
New Delhi.

Dated: 12-5-92

Sub: 52nd Meeting of the Advisory Committee on Irrigation,
Flood Control and Multipurpose Projects held on 28-4-92
in Shram Shakti Bhawan, New Delhi.

52nd Meeting of the Advisory Committee on Irrigation, Flood
Control and Multipurpose Projects was held on 28-4-1992. The
Projects considered in the above meeting and the decisions taken
thereon are indicated in the enclosed Summary Record for information
and necessary action.

Encl.: As above.

(T.S.Murthy)
Chief Engineer (PAO) &
Member Secretary
Telephone No.603561

1. Dr.M.A.Chitale, Secretary, Ministry of Water Resources,
S.S. Bhawan, New Delhi.
2. Dr.C.D.Thatte, Chairman, CWC, Sewa Bhawan, R.K.Puram,
New Delhi.
3. Secretary (Expenditure), Ministry of Finance, North Block,
New Delhi.
4. Secretary, Deptt. of Power, S.S.Bhawan, Rafi Marg, New Delhi.
(Attn.: Smt. Subhadra S., Deputy Secretary).
5. Secretary, Ministry of Environment and Forest, Paryavaran
Bhawan, CGO Complex, New Delhi. (Attn.: Dr.Nalini Bhatt,
Scientist)
6. Secretary, Ministry of Welfare, R.No.604, A-Wing, Shastri
Bhawan, New Delhi (Attn.: Shri I.H.Khan, Jt. Director).
7. Secretary, Department of Agriculture & Co-operation (Nominee-
Shri R.N.Mehrotra, Addl. Commissioner, R.No.104, Wing-B,
Shastri Bhawan, New Delhi.
8. Director General, ICAR, Krishi Bhawan, New Delhi
(Nominee - Dr.I.P.Abrol, Deputy Director General SAE).
9. Secretary, Electricity Authority, Sewa Bhawan,
Bhawan, New Delhi. Shri Rajendra Singh,

- Ministry of Water Resources:

- Central Water Commission, Sewa Bhawan, Connaught Place, New Delhi.

- State Governments:

7. Secretary, Ministry of Welfare, 11, New Court, New Delhi.

SUMMARY RECORD OF THE 52ND MEETING OF THE ADVISORY COMMITTEE
ON IRRIGATION, FLOOD CONTROL AND MULTIPURPOSE PROJECTS HELD
ON TUESDAY, 28TH APRIL, 1992 AT 15-00 HRS.

1. List of Participants who attended the meeting as at Annex.I
2. After welcoming the participants, Secretary (WR) and Chairman of the Committee took up the various project proposals put up to the Committee for consideration and acceptance.

ITEM I: PROJECT PROPOSALS FOR CONSIDERATION AND ACCEPTANCE

A. New Major Projects:

Sl.No.1 of 1992 : Kolar Project (Madhya Pradesh)

Estimated Cost - Rs.139.14 Crores

C.C.A. - 45087 Ha.

Annual Irrigation- 60868 Ha.

The project was considered and found acceptable by the Committee for investment clearance subject to-

- (1) State Government conveying the concurrence of the State Finance Department to the Project Cost.
- (2) State Government should formulate proposals for conjunctive use of Ground Water to meet possible shortages during 'Rabi' period for which a provision of Rs.125 Lakhs has been made in the Estimate.

(Action: State Govt./Planning Commission)

Sl.No.4 of 1992 : Increasing Capacity of Zamania Pump Canal (Uttar Pradesh).

Estimated Cost - Rs.39.812 Crores

C.C.A (Total) - 41700 Ha. (21457 Ha. additional)

Annual Irrigation- 50400 Ha. (31821 Ha. additional)
(Total)

Representative of the Ministry of Environment and Forest stated that as the project was in an advanced stage of

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7. Secretary, Ministry of Welfare, H.No. 607, Bhawan, New Delhi.

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construction, only remedial measures for conservation/improvement of the environment could be suggested for the project area. A communication suggesting remedial measures to be implemented by Project Authorities is being issued by Ministry of Environment. The Committee considered the project acceptable for investment clearance. Planning Commission while issuing investment clearance will also include the remedial measures suggested by Ministry of Environment to be implemented by Project Authorities. The Project Authorities were also requested to convey the concurrence of the State Finance Department to the cost.

(Action:Min.of Env.& Forest/State Govt./
Planning Commission)

Sl.No. 5 of 1992 : Bewar Feeder Project (Haryana Pradesh)

Estimated Cost	-	Rs.27.91 Crores
C.C.A.	-	81510 ha.
Benefits	-	63656 ha.(9800 ha. additional)

Representative of the Ministry of Environment & Forest stated the project had not as yet been put up to the Environmental Approval Committee as the water balance studies had not been done and submitted by the State Government. Chairman, Advisory Committee, observed that the drainage aspects would need to be closely looked into as additional water was being put into the area. The representative of the State Govt. said that there were about 3000 tube-wells in the command area and vertical drainage was taken care of. The CGWB had also cleared the project. Chairman, Advisory Committee, desired that the studies/details required by the Ministry of Environment

Cont..3/-

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and Forests alongwith quantified data on tube-wells etc. may be submitted immediately by the State Government for processing environmental clearance in 2 months time.

The project was found acceptable by the Committee subject to environmental clearance being accorded and concurrence of State Finance Department being conveyed.

(Action: State Government/Min. of Env. & Forest/ Planning Commission)

4 Sl.No.7 of 1992 : Karanja Irrigation Project (Karnataka)

Estimated Cost - Rs 98 Crores

C.C.A. - 35614 ha.

Annual Irrigation - 48968 ha.

The project was considered and found acceptable by the Committee for investment clearance. The Planning Commission while issuing the investment clearance will also include the remedial measures suggested by the Ministry of Environment & Forests to be implemented by the Project Authorities.

(Action: Planning Commission)

5 B. New Medium Projects:

Sl.No.2 of 1992 : Chauli Irrigation Project (Rajasthan)

Estimated Cost - Rs.28.87 Crores

C.C.A. - 7794 ha.

Annual Irrigation - 8963 ha.

The Project was considered and found acceptable by the Committee subject to concurrence of State Finance Department to the cost being conveyed.

(Action: State Government/Planning Commission)

Cont..4/-

Sl.No. 3 of 1992 : Mukteswar Irrigation Project(Gujarat)

Estimated Cost - Rs.19.37 Crores

C.C.A. - 6186 ha.

Annual Irrigation - 6186 ha.

The Project was considered and found acceptable by the Committee subject to concurrence of State Finance Department to the Cost being conveyed.

(Action:State Govt./Planning Commission)

C. REVISED SCHEMES- Major/Multipurpose

Sl.No.6 of 1992 : Ravi Project Unit-I(Punjab)

Revised Cost - Rs.1652.08 Crores

C.C.A. - 3.48 Lakh ha.

Annual Irrigation - 3.48 Lakh ha.

Representative of the Ministry of Agriculture queried whether catchment area treatment cost was included. It was clarified that a separate proposal for Rs.166 Crores for catchment area treatment had been prepared by the State Govt. for possible funding under the centrally sponsored scheme for River Valley Projects. Representative of the Ministry of Environment & Forests stated that although the cost estimates were revised many times, no provision was included at any stage for any catchment area treatment works. Representatives of CEA stated that cost of catchment area treatment works should not be loaded on the project. Chairman, Advisory Committee, queried as to whether the provision made under 'Ecology and Environment' included at least provision for treatment of priority watersheds directly draining into the reservoir.

Cont..5/-

The representative of the State Govt. clarified that this was not included in the cost estimates. Looking to the importance of the project, the Committee felt that the cost of treatment works at least for the directly draining water sheds should be included as a part of project cost. The State representative was asked to quickly identify in 2 months time such priority areas and work out the treatment cost. This proposal could be got vetted in the Ministry of Agriculture and the cost of such works included in the revised estimate.

As regards forest clearance, it was informed that all required information stood submitted to the Ministry of Environment and Forests which was processing the case for clearance. The representative of Ministry of Environment and Forests indicated that this would be expedited.

Chairman, Advisory Committee, stated that if the State Govt. adhered to the 2 months time schedule, the project need not come up again to the Committee but Planning Commission could be informed of the additional cost of the watershed treatment works for area directly draining into the reservoir and the case could be processed for investment clearance thereafter as the position in regard to forest clearance was also likely to be known by that time.

(Action: State Govt./Min. of Agriculture/CWC/
Planning Commission)

8 D. REVISED MEDIUM SCHEMES

Sl.No. 9 of 1992 : Singda Dam Multipurpose Project
(Manipur)

Revised Cost - Rs. 34.30 Crores

Cont..6/-

C.C.A. - 2428 ha.

Annual Irrigation - 4148 ha.

The proposal was considered and accepted by the Committee subject to concurrence of the State Finance Department being conveyed.

(Action: State Govt./Planning Commission)

Sl.No.10 of 1992 : Khuga Irrigation Project (Manipur)

Revised Cost - Rs.67.70 Crores

C.C.A. - 9575 ha.

Annual Irrigation - 14,755 ha.

Representative of the Ministry of Environment and Forest stated that in the 9th Meeting of the Environmental Monitoring Committee (EMC) chaired by Member (WF), CWC and held at Imphal on 4.3.92, the Khuga Project came up for discussion. A field visit was also undertaken. The project was cleared from the environmental angle in 1983 with the stipulation that some safeguards are to be provided viz. supply of fuel wood to construction workers and restoration of construction areas. On the issue of restoration of construction areas, the EMC had urged the project authorities to take up restoration works in areas which are degraded or damaged due to construction activities like hill slopes, borrow areas etc. It appeared that no provision had been made for such works in the revised estimate. The Committee also noted that 202.6 ha. of 'Jhum' land was now shown as involved in submergence. It was not clear as to whether this would come under the classification of forest land requiring clearance under the Forest Act as

Cont..7/-

on 1983 it was categorically projected that no forest land was involved.

The Committee desired that the above two issues be settled by the State Government and proposals put up again to the Committee.

(Action: State Govt./C.W.C)

Annexure-I

List of Officers Present in the 52nd Meeting of the Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 28.4.92

MEMBERS

1. Dr.M.A.Chitale, Secretary (WR)Chairman
2. Dr.C.D.Thatte, Chairman, CWCMember
3. Smt.Subhadra.S. Dy.Secretary,
Deptt. of Power, representing
Secretary, PowerMember
4. Dr.Nalini Bhatt, Scientist, SE,
Ministry of Environment &
Forest, representing Secretary,
MOEF. Member
5. Sh.R.N.Mehrotra, Addl.Commissioner,
Ministry of Agriculture represen-
ting Secretary (Agr.) Member
6. Shri I.H.Khan, Joint Director,
M/O Welfare, representing
Secretary (Welfare) Member
7. Shri Rajendra Singh, Chief
Engineer, HEP, CEA, representing
Chairman, CEA Member
8. Shri A.S.Gupta, Dy.Adviser (I&CAD)
Planning Commission, representing
Adviser (I&CAD) Member
9. Shri V.V.Rao, Director (F), MOWR
representing Financial Adviser (WR) Member
10. Shri S.K.Sharma, Scientist,
CGWB representing Chairman, CGWB Member
11. Shri T.S.Murthy, Chief Engineer (EAO)Member
Secreta

Ministry of Water Resources:

12. S/Shri R.L.Pardeep, Addl.
Secretary.
13. S/Shri K.S.Sharma, Commissioner (I).
14. A.K.Shangle, Sr.J.C. (BM).
15. S.K.Agrawal, J.C. (Pr.).

Cont..2/-

7. Secretary, Ministry of Welfare, R.NO.004, R-wing, Bhawan, New Delhi.

Contd. 2.

Central Water Commission

16. S/Shri C.Sudhindra, Member (E&P).
17. T.M.Suri, Director, PA(C).
18. S.K.Govil, Director, PA(S).
19. A.Sekhar, Director, PA(N).

State GovernmentsUttar Pradesh

1. S/Shri R.P.Agarwal, CE, Ramganga.
2. R.K.Raja, SE(I), Aligarh.
3. V.S.Mathur, SE(I), Varanasi.

Gujarat

1. P.M.Soni, SE, Palanpur.

Rajasthan

1. C.B.Mathur, Addl.C.E.(I).
2. R.M.Jain, SE(I), Jhalawar.

Punjab

1. Harpal Singh, SE, RSD.

Karnataka

1. B.D.Panduranga Rao, SE, Bidar.

Government of India
Central Water Commission
Project Appraisal Organisation

.....

Room No.510(S), Sewa Bhawan,
R.K.Puram, New Delhi-110066.

Subject: 53rd meeting of the Advisory Committee on Irrigation,
Flood Control and Multipurpose Project held on
8.12.1992.

The Summary Record of the 53rd meeting of the Advisory
Committee on Irrigation, Flood Control and Multipurpose Projects
held on 8.12.92 is circulated herewith for information &
necessary action please.

Encl:As stated

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A. Sekhri
for Director
Chief Engineer (PAO) & Member
Secretary, Telephone No.603561

1. Dr. C.D. Thatte, Secretary, Ministry of Water Resources, S.S. Bhawan, New Delhi.
2. Shri M.S. Reddy, Chairman, CWC, Sewa Bhawan, R.K. Puram, New Delhi.
3. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi. (Attention Sh. D.C. Gupta, Joint Secretary, Plan & Finance).
4. Secretary, Deptt. of Power, S.S. Bhawan, Rafi Marg, New Delhi. (Attention Mrs. Subhadra S., Deputy Secretary).
5. Secretary, Ministry of Environment and Forest, Paryavaran Bhavan, CGO Complex, New Delhi. (Attention Dr. S.C. Verma, Deputy Director).
6. Secretary, Ministry of Welfare, R.No.604, A-Wing, Shastri Bhawan, New Delhi (Nominee Shri I.H. Khan, Jt. Director).
7. Secretary, Deptt. of Agriculture & Co-operation, Krishi Bhawan, New Delhi.
8. Director General, I&CAR, Krishi Bhavan, New Delhi. (Attention Sh. T.N. Chaudhary, ICAR, representing DG, ICAR).
9. Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi. (Attention Sh. R. Singh, CE (Hydro)).
10. Chairman, Central Ground Water Board, Jamnagar House, New Delhi. (Attention Sh. S.K. Sharma, Scientist CGWB).
- ✓ 11. Adviser (I&CAD), Planning Commission, Yojana Bhavan, New Delhi. (2 copies)
12. Adviser (Energy), Planning Commission, Yojana Bhavan, New Delhi.
13. Financial Adviser, Ministry of Water Resources, Shram Shakti Bhavan, New Delhi. (Attention Sh. V.V. Rao, Director (Finance)).

CWC U.O.No.16/27/92-PA(N)/

dated

18-12-1992

Ministry of Water Resources

1. Additional Secretary, S.S. Bhawan, New Delhi.
2. Commissioner (PP), S.S. Bhawan, New Delhi.
3. Commissioner (PR), S.S. Bhawan, New Delhi.
4. Commissioner (Indus), 11th Block, 8th Floor, CGO Complex, Lodhi Road, New Delhi.
5. Commissioner (ER), CGO Complex, Lodhi Road, New Delhi.

Central Water Commission, Sewa Bhavan, R.K.Puram, New Delhi

- | | |
|-------------------------------|-------------------------------------|
| 1.Member (P&P). | 6.Chief Engineer (Mon-North). |
| 2.Member (R&M) & (D&R). | 7.Chief Engineer (FM). |
| 3.Member (WP). | 8.Director (PA-N)/(PA-S)/(PA-C). |
| 4.Chief Engineer (PFO). | 9.Director (PFO-N)/(PFO-S)/(PFO-C). |
| 5.Chief Engineer (Mon-South). | 10.Director (Cost Engineering (I)). |
| | 11.Director FCO (North). |

Ganga Flood Control Commission

- 1.Chairman, GFCC, Sinchai Bhavan, 3rd Floor, Patna-800015.

Department of Environment

- 1.Adviser, Department of Environment, Paryavaran Bhavan, CGO Complex, New Delhi.

To

The Secretary

Govt.of

Summary Record of the 53rd Meeting of the
Advisory Committee on Irrigation, Flood
Control and Multipurpose Projects held on
8-12-1992.

I. List of participants who attended the meeting is at Annexure.

II. After welcoming the participants, Secretary (WR) and Chairman of the Committee took up various project proposals put up to the Committee for consideration and acceptance.

Item - I : Project Proposals for consideration
and acceptance

A. New Major/Multipurpose Projects

S.No. 11-1992 - Subernarekha Multipurpose Project (Bihar)

Estimated Cost	:	Rs. 142882 Lakhs
CCA	:	1,54,802 ha.
Annual Irrigation	:	2,36,346 ha.

Chief Engineer (PPO) explained the project in brief and stated that this project was earlier considered by the Advisory Committee for Rs.480.90 Crores at 1980-81 price level at its meeting held in June, 1982 and was found acceptable subject to environmental clearance and other observations. The Ministry of Environment have approved the project from environment angle vide their letter No. 3/56/79/HCT/ENV.V, dated June, 1984 subject to certain safeguards being implemented during the execution of the project including forest clearance. Compliance to other observations of the Advisory Committee were also communicated to the Planning Commission by CWC in March, 1986. The Estimate is now updated for Rs.1428.82 crores at 1990 price level. Chairman of the Committee enquired about the present status of implementation of safeguards as stipulated by the Ministry of Environment. The State Engineers stated that appropriate action is being taken by Government of Bihar to furnish necessary action plans and other relevant information to the Ministry of Environment and action is also being taken for dereservation of forest land required for the project. The above clearances were expected to be obtained in about 6 months. It was observed that since the project affected considerable tribal population, the State Government should prepare RA Plans for the tribals and furnish the same to the Ministry of Welfare and get their clearance.

JS(PF), Ministry of Finance pointed out that the reasons for increase in cost from Rs.480.90 crores has not been indicated in the TAC Note and was of the view that, in future, reasons for increase in cost of projects should invariably be indicated in the T.A.C. Notes.

member (P&P), CWC, explained that the main reasons for the increase was on account of acquisition of land and rehabilitation costs in addition to escalation and inadequate provisions made in the earlier estimate. Chairman of the Committee desired that in future, wherever the project costs are modified or updated, statement showing the reasons for increase in cost should be appended.

The Advisory Committee thereafter accepted the project subject to clearance of the Ministry of Environment and Forests as also the Ministry of Welfare. Concurrence of the State Finance Department to the updated cost is also to be conveyed.

(Action : Govt. of Bihar)

S.No.12 of 1992 - Bargi Diversion Project (Madhya Pradesh)

Estimated Cost	:	Rs.110123 Lakhs
C.C.A.	:	2,45,010 ha.
Annual Irrigation	:	37,65,14 ha.

Chief Engineer, PAO, broadly explained the project proposals and stated the project had been appraised for its techno-economic viability. Clearance for reservation of forest land had also been given. However, clearance from environmental angle was pending. State Engineers stated that the proposals were considered in the 60th meeting of Environmental Appraisal Committee for River Valley Projects of the Ministry of Environment and Forest held on 21-9-92 when the Project Authorities were requested to furnish additional details. These had since been furnished by the project authorities and environmental clearance is expected shortly. The project was, thereafter, considered acceptable by the Advisory Committee subject to environmental clearance and concurrence of State Finance Department.

(Action : Govt. of Madhya Pradesh)

S.No.19 of 1992 - Sindh River Project, Phase-II (M.P.)

Estimated Cost	:	Rs.51094 lakhs
C.C.A.	:	98,251 ha.
Annual Irrigation	:	1,62,100 ha.

The Committee noted that the project had been appraised by Central Water Commission and found to be techno-economically viable. The project was cleared from the environmental angle in Aug. 1979 subject to implementation of certain safeguards. The programme of implementation of the environmental safeguards have been submitted by the State Govt. to the Ministry of Environment and Forests in March, 1991. Forest clearance for 2995 ha. of forest land involved in the project is yet to be obtained. The R&R measures for the tribal population involved has been cleared by the Ministry of Welfare in November, 1992 subject to certain directives/provisions which are to be complied with by the State Government and Ministry of Welfare informed. The project engineers were requested by the Committee to obtain the outstanding clearances and also convey the concurrence of the State Finance Department to the finalised cost. It was only thereafter that the project could be considered by the Planning Commission for according investment clearance. The project was otherwise considered acceptable by the Advisory Committee.

(Action : Govt. of Madhya Pradesh)

Chief Engineer, P&O, stated that the Sindh River Project Phase-I was an approved project and modified/ revised estimate proposal was under correspondence with the State Government. It was necessary that the State Government should get this project also finalised after getting the outstanding issues sorted out with C&C, particularly with regard to intensity of irrigation and cropping pattern keeping in view the irrigation planning as finalised for Sindh River Project Phase-II. The State Engineers assured that this, as also the power component of Sindh Phase-II, which was to be got finalised with C&A, would be done in about 6 months time. Chairman, Advisory Committee desired that the progress on these may be closely monitored by CWC.

(Action : Govt. of Madhya Pradesh)

S.No.18 of 1992 - Bennithora Irrigation Project, Karnataka

Estimated Cost	:	Rs.7325 lakhs
C.C.A.	:	20,234 ha.
Annual Irrigation	:	21354 ha.

The Committee noted that the project had been appraised in the CWC for its techno-economic viability. No forest land was involved. Environmental clearance had been accorded in 1980 and provisions made for the environmental safeguards suggested by the Department of science and Technology, while clearing the project, had already been informed to the Ministry of Environment and Forests in July, 1991. The State Finance Department has given concurrence to the cost.

The project was considered acceptable by the Advisory Committee and was recommended to the Planning Commission for investment clearance.

(Action : Planning Commission)

B. New Medium Irrigation Projects

S.No. 13 of 1992 - Bethali Irrigation Project (Rajasthan)

Estimated Cost	:	Rs.1307 lakhs
C.C.A.	:	4316 ha.
Annual Irrigation	:	4316 ha.

Chief Engineer, PAO, informed the committee that the project had been appraised in the CWC and found to be techno-economically viable. No forest land is involved. The clearance of Ministry of Welfare is required for the R&R Plans as tribal population is involved. State Engineer stated that all the necessary information had been furnished to the Ministry of Welfare and their clearance was awaited. The project was thereafter considered acceptable by the Advisory Committee subject to clearance of R&R Plans by the Ministry of Welfare and concurrence of the State Finance Department for the above cost.

(Action : Govt. of Rajasthan)

S.No.14 of 1992 - Kaulasnala Project (Andhra Pradesh)

Estimated Cost	:	Rs. 2043 lakhs
C.C.A.	:	3645 ha.
Annual Irrigation	:	4131 ha.

S.No. 16 of 1992 - Yerrakalya Project (Andhra Pradesh)

Estimated Cost	:	Rs.4651.90 lakhs
C.C.A.	:	9996 ha.
Annual Irrigation	:	9996 ha.

S.No. 17 of 1992 - Maddileru Project (Andhra Pradesh)

Estimated Cost	:	Rs.2856 lakhs
C.C.A.	:	5213 ha.
Annual Irrigation	:	5213 ha.

Chief Engineer, PAO, stated that all the above three medium projects had been appraised in the CWC for their techno-economic viability. There were no outstanding issues. No forest land was involved in any of the projects. State Finance concurrence had already concurred in the costs as finalised. The Advisory Committee, therefore, considered all the three projects to be acceptable and recommended to Planning Commission for investment clearance.

(Action : Planning Commission)

C. Revised Medium Project

S.No. 15 of 1992 - Gunta Dam Project (Uttar Pradesh)

Estimated Cost	:	Rs.1341.01 Lakhs
C.C.A.	:	9300 ha.
Annual Irrigation	:	3878 ha.

The revised estimate was considered acceptable by the Advisory Committee subject to concurrence of the State Finance Department being conveyed to the revised cost.

(Action : Govt. of Uttar Pradesh)

D. Flood Control Schemes

(i) Saurashtra Coastal Development Scheme (Gujarat)

Estimated Cost : Rs.10024 lakhs

Representative of State Government clarified that this is an ongoing project and Rs.3250 lakhs had been spent so far on this scheme. The representative of CGWB stated a pilot project under UNDP assistance for artificial recharge in the project area was completed sometime back. The findings of this study would be kept in view by the State Government while further implementing the project in 8th Plan.

The Advisory Committee considered the project acceptable and recommended it to the Planning Commission for according investment clearance.

(Action : Planning Commission)

(ii) Flood protective measure on River Tapi in Lower Tapi Basin in Surat District (Gujarat)

Estimated Cost : Rs.3391 lakhs

Adviser (I&CAD) advised the State Government to complete the project on 8th Plan as otherwise it was likely to become techno-economically unviable if completion is delayed beyond the 8th Plan.

The project was considered acceptable by the Advisory Committee and recommended it to the Planning Commission for investment clearance.

(Action : Planning Commission)

Item II: Status of Techno Economic Appraisal of unapproved ongoing and unapproved new projects of 8th Plan

The appraisal status of the unapproved ongoing and new projects was noted by the Committee. As regards new project proposals not included in 8th Plan, but already under appraisal, it was pointed out by CE, PAO that for many of these projects priority had been indicated by concerned State Government and a decision would have to be taken on whether to continue with their appraisal or not in terms of the decision already taken in the 51st meeting of the Committee held in Dec.91 to take up appraisal of only such projects which are included in the 8th Plan. Chairman of the Committee desired that in such cases, the projects may be referred to him for giving a decision in his capacity as Chairman of the Advisory Committee.

List of Participants

Members

1. Dr.C.D.Thatte, Secretary (WR) and
Chairman, Advisory CommitteeIn the chair
2. Shri D.C.Gupta, Joint Secretary
Plan Finance, Ministry of Finance
(representing Secretary, Expenditure) Member
3. Mrs. Subhadra S, Deputy Secretary,
Ministry of Power (representing
Secy, Power) Member
4. Dr. S.C. Verma, Deputy Director,
Ministry of Environment & Forest
(representing Secretary, M.O.E.F) Member
5. Shri T.N. Chaudhary, ICAR,
(representing DG, ICAR) Member
6. Shri B.N. Navalwala, Adviser I&CAD,
Planning Commission Member
7. Shri V.V. Rao, Director (Finance) Member
MOWR (representing Financial Adviser,
MOWR) Member
8. Shri S.K. Sharma, Scientist, CGWB,
(representing Chairman, CGWB) Member
9. Shri T.S. Murthy, Chief Engineer, PAO Member Secretary

Ministry of Water Resources

1. Sh. P.P. Chauhan, Additional Secretary
2. Sh. S.R. Sahasrabudhe, Commissioner (Pr)
3. Sh. S.K. Agrawal, Joint Commissioner (Pr.)

Central Water Commission

1. Sh. C. Sudhindra, Member (P&P)
2. Sh. T. Subba Rao, Chief Engineer (NW&S)
3. Sh. P. C. Jain, Chief Engineer (FM)
4. Sh. T. Parthasarathy, Chief Engineer (Mon.)
5. Dr. Purshotam Rao, Director (Agr.)
6. Sh. M. Ganesan, Director (Economic)
7. Sh. S. L. Pahuja, Director (PP Cell)
8. Sh. A. Sekhar, Director (PAO-N&S)
9. Sh. A. B. Pal, Director (PAO-C)

State Governments

Madhya Pradesh

1. Sh. V. K. Agrawal, Chief Engineer, Yamuna Basin, WRD, Gwalior
2. Sh. R. K. Singh, Chief Engineer, Upper Narmada Zone, Jabalpur
3. Sh. S. C. Bhatnagar, SE, Sindh Project-II, Shivpuri.

Gujarat

1. Sh.N.B.Desai, Secretary, Narmada & WR Deptt., Gandhinagar.
2. Sh. K.A.Patel, Chief Engineer N&WRD
3. Sh. B.D.Tank, Chief Engineer(CAD)
4. Sh.G.A.Acharya, SE, Salinity progress Reclamation Circle, Surat
5. Sh. J.C.Chaudhri, SE, Surat Irrigation Circle

Rajasthan

1. Sh. P.L.Roongta, Addl.Chief Engineer, Inv.Design & Research, Jaipur

Andhra Pradesh

1. Sh. V.Ramkishen Rao, Chief Engineer, Medium Irrigation, Hyderabad

Karnataka

1. Sh.S.B.Mamadapur, Executive Engineer, IPC, Gulbarga

Bihar

1. Sh. Md.Ahmed, SE, Designs, Patna
2. Sh. D.N.Srivastava, SE, Monitoring, Jamshedpur

Government of India
Central Water Commission
Project Appraisal Organisation

Tele.No.: 603 561.

Room No. 510(3),
Seva Bhawan, R.K.Puram,
New Delhi-110 066.

DY. No. 875/IS CAD/93
15/4/93

Subject: 54th Meeting of the Advisory Committee on
Irrigation, Flood Control and Multipurpose
Project held on 26-3-1993.

The Summary Record of the 54th Meeting of the Advisory
Committee on Irrigation, Flood Control and Multipurpose Projects
held on 26-3-1993 is circulated herewith for information and
necessary action please.

S. Sekhar

Encl.: as above.

for CHIEF ENGINEER (P&O) &
MEMBER SECRETARY

1. Dr. C.D. Thattai, Secretary, Ministry of Water Resources, Shram Shakti Bhawan, New Delhi.
2. Sh. M.C. Reddy, Chairman, CWC, Seva Bhawan, R.K. Puram, N. Delhi.
3. Secretary (Expenditure), Min. of Finance, North Block, N. Delhi.
4. Secretary, Deptt. of Power, S.C. Bhawan, New Delhi.
5. Secretary, Min. of Env. & Forests, Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi.
6. Secretary, Min. of Welfare, R.No. 604, A-Wing, Shastri Bhawan, New Delhi.
7. Secretary, Deptt. of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
8. Director General, I&CDR, Krishi Bhawan, New Delhi.
9. Chairman, CBA, Seva Bhawan, R.K. Puram, New Delhi.
10. Chairman, C.G.W.B., Jammagar House, New Delhi. *in duplicate*
11. Adviser (I&CD), Planning Commission, Vojna Bhawan, N. Delhi.
12. Adviser (Energy), Planning Commission, Vojna Bhawan, N. Delhi.
13. Financial Adviser, Min. of Water Res., S.C. Bhawan, New Delhi.

CWC U.O. No.: 16/27/93-PA(H)/964 dt. 7 April, 1993.

MINISTRY OF WATER RESOURCES:

1. Addl. Secretary, S.C. Bhawan, New Delhi.
2. Commissioner (P&O), S.C. Bhawan, New Delhi.
3. Commissioner (FR), S.C. Bhawan, New Delhi.
4. Commissioner (Indus & MI), 11th Block, 8th Floor, CGO Complex, Lodi Road, New Delhi.

CENTRAL WATER COMMISSION, SEVA BHAWAN, R.K. PURAM, NEW DELHI.

1. Member (P&O)
2. Member (D&R and RM)
3. Director (P&O)
4. Chief Engineer (Mon.)
5. Director, Cost Engineering (I)

DEPARTMENT OF ENVIRONMENT :

1. Dr. J. Maudgal, Adviser, Department of Environment, Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi.
2. Dr. Malini Bhat, Joint Director, Ministry of Environment & Forest, Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi.

To

The Secretary,
Irrigation/Water
Government of

27/4/93
PA/CI/1/14

Pl. put up on relevant files.
15/4/93
for CHIEF ENGINEER (P&O) & MEMBER SECRETARY.

LIST OF PARTICIPANTS

Members of the Committee

1. Dr. C.D. Thatte, Secretary(WR) ... in the Chair
2. Shri M.S. Reddy, Chairman, CWC Member
3. Shri R.M. Sethi, Joint Secretary,
Ministry of Agriculture & Cooperation
(Representing Secretary, Agriculture &
Cooperation).
4. Shri S.S. Agr wal, Dy. Secretary, Ministry
of Welfare(representing Secretary, Ministry
of Welfare.
5. Shri S.M. Dhiman, Director,HFP Dte., CFA
(representing Chairman, CEA).
6. Shri B.N. Navalawala, Adviser(IACAD),
Planning Commission.
7. Shri V.V. Rao, Director(Finance), MOFR
(Representing Financial Advice., MOFR).
8. Shri S.K. Sharma, Director, CGWB
(Representing Chairman, CGWB).
9. Shri S.S. Iyer, Chief Engineer, P.O, CWC - Member Secretary

Others

Central Water Commission

S/Shri

1. C. Sudhindra, Member(P&P).
2. A.K. Mahanna, Director, PP Cell
3. A. Sekhar, Director, PA(W) & PA(S) Dte.
4. A.B. Pal, Director,PA(C) Dte.

Planning Commission

1. Shri K.S. Sharma, Consultant.

Ministry of Agriculture & Cooperation

1. Shri S.S. Chibbar, Jt, Commissioner, Comps Divn.
2. Shri L.R. Kamatkar, Asstt. Commissioner(Soil Cons.).

State Governments

Government of Andhra Pradesh

1. Shri V. Ramakishan Rao, Commissioner for Project Formulation.
2. Sri A. Krishna Rao, Chief Engineer(Major).
3. Shri V. Sivakotareddy, Chief Engineer (Medium).
4. Shri B. Rosaiah, Supdt. Engineer(inv.).

Government of Madhya Pradesh
S/Shri

5. V.K. Agrawal, Chief Engineer, Yamuna.
6. V.B. Moghe, Supdt. Engineer, Farwati N.R. Circle,

Government of Rajasthan

7. D.C. Kothari, Chief Engineer, Bisalpur.
8. Dalip Singh, Additional Chief Engineer, Udaipur.
9. S.K. Bakliwal, Supdt. Engineer, Bisalpur.
10. J.M. Gupta, Supdt. Engineer, Bisalpur.
11. G.S. Choudhary, Supdt. Engineer, Irrigation, Udaipur
12. P.N. Mathur, Executive Engineer (Canals), Bisalpur.

Government of Orissa

13. Dr. G.N. Padhi, Engineer-in-Chief (Planning)
14. J. Tripathy, Chief Engineer (Medium).
15. S. Panda, Director, Planning.
16. K. Raja Rao, Executive Engineer, Manupur
17. G.C. Sahu, Executive Engineer, Mahanadi Barrage.

SUMMARY RECORD OF DISCUSSIONS HELD IN THE
54TH MEETING OF THE ADVISORY COMMITTEE ON
IRRIGATION, FLOOD CONTROL & MULTIPURPOSE
PROJECTS HELD ON 26TH MARCH, 1993.

1. List of Participants as at Annex.
2. Welcoming the participants, Secretary (R) desired that the Agenda Items on consideration of project proposals by the Committee be taken up first.

3. NEW MAJOR IRRIGATION/MULTIPURPOSE PROJECTS

- (1) S.No. 4, 1993 : Maraj Barrage Project (Orissa)
Estimated Cost : Rs.125.74 Crores

The Committee was told that the Barrage is only a replacement structure. The Project was already cleared from environmental angle. The Committee recommended the project to the Planning Commission for according investment clearance.

(Action : Planning Commission)

- (2) S.No. 7, 1993 : Yeleru Reservoir Project (A.P.)
Estimated Cost : Rs. 335.34 Crores

C.C.A. : 44255 Ha.

Annual : 27350 Ha.

Irrigation

Chief Engineer, PAO informed that the dam, which is primarily intended for industrial water supply to the Visakhapatnam Steel Plant was, completed and an expenditure of about Rs.230 Crores already incurred. The project is now supplying water to the Steel Plant. The balance works involved are lining of canal and environmental measures. Clearance from Ministry of Environment and Forest and Ministry of Welfare were yet to be obtained. Further, another outstanding issue was the water charges to be levied for industrial water supply. To make the project economically viable for both the irrigation and water supply components, the water charges should be around Rs.9.50/thousand gallons.

Contd...2.

The supply now being made was at a much lower rate of Rs.2.35/thousand gallons. Joint Secretary (JC) (Ministry of Agriculture) enquired as to how the sediment rate had been adopted. He was informed by representative of Andhra Pradesh Government that the design rate of 1 acft/sq.mile/year had been adopted based on observed data. Chairman, reiterated that catchment treatment would extend the life of the reservoir further. After discussions the Committee accepted the project from techno-economic considerations subject to environment, forest clearance and clearance for R&R Plans being obtained, appropriate water charges for industrial water supply levied to render the project economically viable and State Finance Department concurrence being conveyed.

(Action : State Government)

(3) S.No.6, 1993 : Kamupur Irrigation Project (Orissa)

Estimated Cost : Rs.268.55 Crores

C.D.A. : 29,573 Ha.

Annual : 47,709 Ha.

Irrigation

Chief Engineer, P.O, stated that the project had earlier been conditionally accepted by Advisory Committee in October, 1986. Now, updating of costs had been done as also the earlier conditions fulfilled except for clearance from Welfare Ministry for R&R Plans. Engineer-in-Chief, Orissa, informed that the R&R Policy for the project was on the lines of the State Policy for R&R which was also being implemented for the Subarnarekha Project. Representative of the Ministry of Welfare promised to examine the R&R Plans submitted by the State Government expeditiously. The Committee thereafter considered the project acceptable subject to clearance of R&R Plans by Ministry of Welfare.

(Action : State Govt./Min. of Welfare)

Contd.....3.

(4) S.No.8, 1993 : Bisalpur Project (Rajasthan)
Estimated Cost : Rs. 209.07 Crores
C.C.A. : 69200 Ha.
Annual Irrigation : 49390 Ha.

Chief Engineer of the project explained the project proposals and stressed its importance in view of the substantial drinking water component. The dam ^{is being} ~~had been~~ completed upto the crest level and erection of Gates was scheduled to be completed by June, 1995. Proposal for environment and forest clearance had been submitted to the Ministry of Environment and Forests. The R & R Plans, prepared according to the State policy, had also been submitted to the Welfare Ministry. The Ministry of Welfare had recommended grant of land to landless ^{SC & ST} oustees also free of cost. This was under consideration of the State Government, which if implemented would marginally affect the cost by a couple of crores and would not affect the techno-economic viability of the project. Adviser (I&CD), Planning Commission emphasised the need for a quick clearance to the R&R aspects especially as the size of oustees population was quite high. The State Government was asked by the Chairman to prepare a note indicating the probable increased amount due to inclusion of the requirements of land for landless, Scheduled Castes, and Scheduled Tribes free of cost and its effect on the B.C. Ratio. The Committee accepted the project subject to clearances by the Ministry of Environment and Forest and Ministry of Welfare.

Representative of State Government
(Action : State Government)
Contd.....

- (5) S.No. 10. 1993: Raising Meja Dam (U.P.)
Estimated Cost: Rs. 52.18 Crores
CCA : 71048 ha.
Annual Irrigation: 17879 ha.

Chief Engineer, P.O., CWC informed the Committee that this project was being put up as a short note as the expenditure level was 75%. The Project was earlier accepted by the Committee in March, 1986 for Rs. 29.69 crores. Now with the revised cost, the B.C. Ratio was just around 1.0 as per State Agriculture Department assessment of pre and post project yields. Proposals for forest clearance were yet to be submitted to the Ministry of Environment and Forest, Director, CWC pointed out the grossly inadequate provisions being made for drainage. Representative of the State felt that as the area was well drained and water table was deep, drainage was not a problem. After discussions, the Committee advised the State Govt. to complete the project at the now finalised cost of Rs. 52.18 crores which includes cost for compensatory afforestation for which proposals are being framed and submitted.

(Action State Govt.)

4. NEW MEDIUM IRRIGATION PROJECTS

- (1) Sl.No. 1 of 1993 : Buggavanka Project (A.P.)
Estimated cost : Rs. 2596.16 lakhs
CCA : 3925 ha.
Annual Irrigation: 5200 ha,

Representative of State Govt. informed that in clearance of balance 5 ha, diversion of forest land for canals had also been since conveyed in principle by the Ministry of Environment and Forests (Clearance for 115.6 ha.

....5/-

and forest land diversion for reservoir submergence had already been conveyed). The State Government was advised by the Chairman to have the design flood reviewed by the State CDO. The Committee accepted the project and recommended to the Planning Commission for investment clearance subject to State Finance Department Concurrence.

(Action: State Govt./Planning Commission)

(2) Sl.No.3 of 1993 : Titilagarh Irrigation Project
(Orissa)

Estimated Cost: Rs. 2112.84 lakhs

CCA 2600 ha.

Annual Irrigation:
2950 ha.

The Committee, noting that in principle clearance for diversion of forest land had been received, recommended the project for investment clearance by Planning Commission.

(Action: Planning Commission)

(3) Sl.No.5 of 1993 : Manjore Irrigation Project (Orissa)

Estimated Cost : Rs. 3770.17 lakhs

CCA : 6775 ha.

Annual Irrigation : 10433 ha.

The Committee was informed that in principle clearance for diversion of forest land had been accorded but the clearance for R&R Plans by the Ministry of Welfare was awaited. Representative of the Ministry of Welfare promised to send their reaction on this issue at the earliest. The Committee accepted the project subject to clearance of RR Plans by the Welfare Ministry.

(Action: State Govt./
Ministry of Welfare).

5. REVISED MEDIUM IRRIGATION PROJECTS

(1) Sl.No.11 of 1993 : Som Kagdar (Rajasthan)

Estimated Cost : Rs.2230 lakhs

CCA : 5739 ha.

Annual Irrigation : 4945 ha.

The State representative informed that the project was nearing completion. Since no other outstanding issues were involved, the Committee accepted the project and recommended to the Planning Commission for according investment clearance.

(Action: Planning Commission)

(2) Sl.No.2 of 1993 : Sanjay Sagar (M.P.)

Estimated Cost : Rs. 39137 lakhs

CCA : 6100 ha.

Annual Irrigation: 8052 ha.

Chief Engineer of State Govt. informed that due to recommendations of the Dam Safety panel the cost of the project had increased by about Rs. 650 lakhs beyond the Rs. 3300 lakhs estimated to complete the Project. The State Govt. was of the view that the additional measures suggested by the panel were not required. Chairman advised the matter may be looked into again by the State CDO.. Adviser (I&CAD) advised completion of the project by end of VIII Plan. The Committee decided that the State Govt. may convey to CWC their final decision on the additional measures suggested by panel and thereafter the CWC would recommend the final cost to the Planning Commission for which investment clearance will be accorded, considering TAC's recommendations, otherwise.

(Action: State Govt.)

ITEM II : STATUS OF TECHNO-ECONOMIC APPRAISAL OF
UNAPPROVED ONGOING AND UNAPPROVED NEW
MAJOR IRRIGATION/MULTIPURPOSE PROJECTS

The Committee noted the position of the above status brought out by CWC.

ITEM III : RELAXATION IN EXISTING NORM FOR PROJECT
APPRAISAL.

Chairman desired that this item may be discussed in the next meeting. In the meanwhile, it would be examined in the Ministry of Water Resources. Planning Commission was also requested to examine the issues raised in the CWC agenda item on the subject.

ITEM IV : GENERAL

As desired by the representative of the Ministry of Welfare, Chairman directed that in future, TAC notes should in the salient features highlight the submergence and R&R, area submerged/land to be acquired, provisions made for land compensation etc.,. In case of new major projects, representatives of the Ministry of agriculture desired that the sedimentation aspects and yields of crops may also be got vetted from the SOIL Conservation Wing and Crops Division of the Ministry respectively. It was also decided that in future copies of TAC notes would be send, besides the Members of the Committee, to others also in the concerned wings of the various Ministries who generally attend the meetings on behalf of the Members.

No.: 16/27/93-PA(N)/ 1258
Project Appraisal (North) Dte.
Central Water Commission

New Delhi, the 9th Sept. '93.

Sub: 55th meeting of the Advisory Committee on Irrigation,
Flood Control & Multipurpose Projects held on 27-8-93.

The undersigned is directed to forward a copy of the
Summary Record of the above meeting for information and necessary
action please.

Dy. No 1819/18eAD/93
13/9/93

(A. S. Gupta)
Director (PA-North)

Members of the Committee

1. Shri M.S. Reddy, Chairman, CWC.
2. Shri S.P. Mazal, Director, Deptt. of Expenditure,
Ministry of Finance.
3. Secretary, Ministry of Power, S.C. Bhawan.
4. Secretary, Ministry of Environment and Forests, Paryavaran
Bhawan.
5. Dr. M.G. Lande, Additional Commissioner, Crops Division,
Ministry of Agriculture & Cooperation, Krishi Bhawan.
6. Shri M.D. Paliath, Director, Ministry of Welfare, 'B' Wing,
4th floor, Lok Nayak Bhawan.
7. Dr. T.N. Chaudhary, Assistant Director General, ICAR,
Krishi Bhawan.
8. Chairman, CE4, Sewa Bhawan.
9. Adviser, I&CD, Planning Commission, Yojana Bhawan.
10. Adviser, Energy, Planning Commission, Yojana Bhawan.
11. Shri V.V. Rao, Director, Finance, Ministry of Water Resources,
S.C. Bhawan.
12. Chairman, Central Ground Water Board, H.I. IV, CGO New Complex,
Faridabad-121 001.

Others

1. Shri S.R. Sahasrabudhe, Commissioner, Projects, MOWR.
2. Shri A.S. Gupta, Dy. Adviser, I&CD, Planning Commission,
Yojana Bhawan.
3. Shri D.C. Ramamurthy, Chief Engineer, Designs (N&I), CWC.
4. Shri S.L. Pahuja, Director, PFC, CWC.
5. Shri Rajendra Mishra, Dy. Secretary (SA), MOWR, S.C. Bhawan.
6. Shri Jose C. Samuel, Dy. Commissioner, CWC, Deptt. of
Agriculture, Shastri Bhawan, New Delhi-110001.
7. Shri R.B. Pal, Director, PA(Central), CWC - (3 copies)

State Governments:

1. Dr. S.N. Padhi, Engineer-in-Chief (Planning), Irrigation Deptt., Govt of Orissa, Shubaneswar-751001.
2. Shri D.T. Gulati, Supdt. Engineer, Mahi Irrigation Circle, Nadiad, Gujarat. (2 copies).
3. Shri R.C. Goswami, Supdt. Engineer, Sindh Circle, Water Resources Deptt., Gwalior. (2 copies).
4. Dr. K.N. Raja Rao, Chief Engineer, Investigations, I&AD Deptt., Errum Manzil, Hyderabad-500481. (2 copies).
5. Shri B.M. Mishra, Supdt. Engineer, Auranga Construction Circle, Dalton Ganj, Bihar.
6. Shri N.R. Panda, Supdt. Engineer, Investigation & Planning Circle-II, P-12, CIP Scheme No. L V, Calcutta-700 019.
7. Shri V.V. Gaikwad, Supdt. Engineer, Osmanabad Irrigation Circle, Osmanabad, Maharashtra.
8. Shri M.K. Das, Additional Chief Engineer, Irrigation, Agartala.
9. Shri A.C. Arora, Supdt. Engineer, Mahova, Uttar Pradesh.

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Summary Record of the 55th Meeting of the Advisory Committee on Irrigation, Flood Control & Multipurpose Projects held on 27th August, 1993 in the Central Water Commission.

-x-x-x-x-x-

1. List of participants as at Annex.
2. Welcoming the participants, Secretary (IR) requested Member - Secretary to introduce the project proposals to the Committee one by one.

Agenda I : Consideration of Project proposals
New Major/Multipurpose projects

3. Subernarekha Irrigation Project (Orissa)

CCA : 1,09,627 ha.
A.I. : 1,87,462 ha.
Cost : Rs. 790.32 Crores.

Chief Engineer, FPC stated that the project was earlier accepted by the EAC in 1982 for 221.68 crores with some observations. The project was since cleared by the MOEF in June, 1984 from the environment angle subject to preparation of land use map of the catchment area, master plan for rehabilitation of ousters and command area development plan. These were yet to be got cleared by State Government from the MOEF. Forest clearance for diversion of 1165.07 ha. of forest land had however been obtained. Clearance of Ministry of Welfare for the R&R plans was also required as Tribal population was involved.

Engineer-in-Chief, Orissa clarified that the environmental management plans were under discussion with MOEF. The EIA report had been got prepared by the State Government engaging WAFSCS & EIRO Consultant of Netherlands. As regards R&R, the State Government R&R Policy, a copy of which had been given to the Ministry of Welfare, had been followed in this case. The World Bank Mission which visited in June, 1993 reviewed the R&R Policy and were satisfied with the provisions. Adequate outlays has been made for this project in the 8th Plan. As regards the

observations in TAC Note regarding recommendations of the JRC on hydrological aspects, Chairman, CWC clarified that the JRC was for regulation of the reservoirs and not to review the water sharing. Its recommendations were, therefore, not relevant to the clearance of the project. Representative of Ministry of Agriculture suggested that area under low duty crops like pulses and oilseeds may be increased. Representative of Ministry of Welfare agreed to expedite the clearance.

The project was thereafter accepted by the Committee and the Planning Commission was requested to consider processing for investment clearance as the project is already cleared in 1984 by MOEF from the environment angle and what was now under discussion was only the compliance of the conditions. State Government was also requested to expedite concurrence of State Finance Department.

(Action : State Govt./ Planning Commission)

4. Modernisation of Machhu-I Irrigation Scheme (Gujarat)

CWC : 10409 ha.
 A.I. : 6661 ha. - Original
 2138 ha. - Additional
 Cost : Rs.3.12 crores

Chief Engineer, PAO stated that this modernisation project was in an advanced stage of construction and was scheduled for completion by 1993-94. The State Government was, however, yet to obtain environment clearance although there is no forest land and R&A issues involved. It was also pointed out that the provision for II Establishment was about 30% of the cost of I Works less 'B' and against the CWC norm of 10-12%. State Government representative cited the droughts during 1985-1988 as the main reason as project staff had to be deployed for scarcity relief work. This was noted.

The Committee accepted the project subject to environment clearance and clearance of State Finance Department.

(Action : State Government)

5. Modernisation of Kangsabati Reservoir Project (West Bengal)

CCA : 2,75,000 ha.

A.I. : 3,02,925 ha.

Cost : Rs. 329.07 crores.

Chief Engineer, PPO stated that the project was considered and accepted by the Advisory Committee in 1988 for Rs. 311.07 Crores subject to environment clearance. This was yet to be obtained as also clearance of the Ministry of Welfare to R&R Plans. The proposal now submitted for Rs. 329.07 crores envisages several modifications, the main being encroaching on flood storage cushion and utilising that storage for bringing additional area under irrigation which issue was yet to be sorted out by State Government with CWC. Member (P&P), CWC was of the view that the area being flood prone flash floods can cause immense damage as the flood plain area is heavily encroached and the capacity of the channels significantly reduced due to silting. Also the operation experience is with flood control component. Even the FMP study is awaited. Representative of State Government stated that there was already flooding in downstream area because the track of the storm moves up from the command to the catchment and that the flood havoc will not be worse. The irrigation would come down by 40,000 ha. if flood cushion was not encroached. Member (P&P), CWC stated that all this called for a proper study with data on water levels, river cross-sections, rainfall etc. to justify the proposed encroachment as already suggested by CWC for their detailed examination. The representative of Ministry of Agriculture suggested that area under pulses (soybean) may be increased in the kharif season. Deputy Adviser (I&CAD) stated that for 1993-94 the State Govt. was providing only Rs. one or two crores for new projects as the total outlay that could be provided was only Rs. 48 crores for irrigation sector as a whole. Keeping in view the above outstanding issues, Secretary (WR) advised the State Govt. to reconsider the proposal de-novo. It was suggested in this context that they may either submit the

required study to JWC justifying fully encroachment on flood cushion or restrict the proposal in the first phase to only modernisation and water management of canal system etc. keeping the flood conservation provision same and submit it afresh to the JWC. The size of the project could be kept such that the State Government could implement it in 8-10 years.

(Action : State Government)

6. Rajghat Canal Project (Madhya Pradesh)

CCA : 1,21,450 ha.
A.I. : 1,21,450 ha.
Cost : Rs. 309.21 Crores.

Chief Engineer, EAO stated that the project was conceived by M.P. to utilise their share of Betwa waters at Rajghat Dam which is an approved project. The project had earlier been considered by the Advisory Committee in January, 1983 for Rs. 46.15 crores and accepted subject to concurrence of final alignment of the Datia carrier canal system passing through U.P. territory and updating of Cost. Now the cost updating had been done. The issue regarding alignment of canal, land required in U.P. territory etc. has been sorted out mutually by the two states. Only clearance for 18.82 ha. forest land in U.P. territory was required. Some other outstanding issues were preparation of integrated working tables for Rajghat, Matatila Dams and Dhukwan and Parichha weirs, operation of Datia Carrier and head regulator to see that discharge does not exceed 2550 cusecs and sharing of cost between U.P. and M.P. for Datia Carrier Canal. Secretary (IR) stated that these issues could be looked into by the proposed Betwa authority. State Govt. representative added that U.P. Government had already agreed to share the cost of the Datia Carrier Canal. Representative of Ministry of Agriculture suggested more of law duty crops in the cropping pattern instead of wheat and paddy.

The Committee recommended

7. Providing Hydroplus fusegate on Nanakbori Weir (Mahi Stage-I), Gujarat.

CCA : 2,12,694 ha.
 A.I. : 2,60,405 ha.
 Cost : Rs. 8.58 Crores.

Chief Engineer (PPO), introducing the project stated that this was mainly a technology transfer project. The Nanakbori weir, in the post Kadana Stage, was facing problems in drawing it's design discharge of 198.1 cumec (7000 cusecs) and the project authorities have indicated that the drawal is only 172.73 cumec (6100 cusec) resulting in a shortfall in irrigation. A higher drawing head to raise the FRL was therefore required. The hydroplus system of fuse gates was considered by the Government of Gujarat most suitable for the raising of FRL by 2 m. The technology is being made available to Government of Gujarat under an agreement with Hydroplus international of France. Chief Engineer, FAO, added that the project was examined from the inter-state angle and found that the additional live storage capacity was only 0.98 TMC compared to the total capacity of 42.78 TMC in Kadana-Mahi complex. While this is not that significant, the system did afford a flexibility to the State Govt. to draw more waters when available and to that extent such a use could not acquire prescriptive rights. Representative of State Govt. agreed to furnish the required undertaking to the satisfaction of the C/C.

There were a few outstanding design issues. It was observed that with the increased head of 2 m. tension beyond the permissible limit was occurring in the toe of the weir. There was also a issue of the value of the rugosity coefficient of the canal section which the State Govt. had adopted as 0.024 while as per BIS, for a brick-lined section, it is 0.018. For this values of 'n', raising of FRL by 2 m did not appear warranted. Representative of State Govt. assured that the stability of the structure would not be compromised. In-situ tests would be done to assess the

actual strength of weir material and if strengthening of weir structure was found required, the State Govt. would do it by buttressing or bolting etc. from its own resources. Also 2 m was the minimum optional size of the fusegates and a lower size of gates was not technically feasible. Chairman, C/C added that here the FRU is being raised keeping the MJL the same. As long as the required undertaking on prescriptive rights was given, the issue of 'n' value was irrelevant especially as the size of gates could not be less than 2 m. He also stressed on technology transfer aspect of the project. Chief Engineer, Designs, C/C added that silt entry could be a problem affecting the smooth functioning of the fuse plugs and care needs to be taken for proper maintenance. Some strengthening of the existing gates was also required and this is also to be done by State Government. Secretary (R) added that this case being a technology transfer, close inter-action between C/C and State Govt. was desirable during the operation phase of the project to assess the merits and demerits of the system before replication in other projects.

As regards environment clearance, it was clarified that the project involved no additional submergence and hence the issue of forest & R&R clearances did not arise. A reference had, however, been made to MOEF by State Govt.

The Committee considered the project acceptable for clearance subject to required undertaking being furnished by State Government to C/C and all additional works that may be found required like strengthening of weir, gates, etc. being met by State Govt. from its own resources.

(Action : State Government/Planning
Commission)

New Medium Irrigation Projects

8. Sakol Irrigation Project (Maharashtra)

CCA: 2800 ha.

A.I.: 2064 ha.

Cost: Rs. 1087.64 lakhs

Chief Engineer, PAO stated that the project was earlier considered by the Committee in September 1984 and accepted subject to observations. The observations have been complied with. There is no forest land involved or tribal population ousted. The project was likely to be completed in the 8th Plan. The suggestion of the Ministry of Agriculture for a higher irrigation intensity was noted. The Committee considered the project acceptable subject to State Finance concurrence.

(Action: State Government/Planning Commission)

9. Rukura Irrigation Project (Orissa)

CCA : 5750 ha.

AI : 7648 ha.

Cost : Rs. 2521.684 lakhs

Representative of CWC stated that the project was earlier considered by the Committee in October 1988 but was deferred for want of forest clearance. In principle clearance for diversion of 343.239 ha. of forest land has now been obtained by the State Government. However now the R&R Plans need the approval of Ministry of Welfare also as tribal population is involved. Representative of the Ministry of Welfare agreed to expedite the matter. Representative of Ministry of Agriculture wanted increase in area under vegetables and pulses rather than going in for medium paddy. Secretary (WR) asked the State Government to look into this.

The Committee accepted the project subject to clearance of Ministry of Welfare for RR Plans.

(Action: State Government)

10. Guelamelavagu Project (Andhra Pradesh)

CCA : 2429 ha.

A.I. : 2632 ha.

Cost. : Rs. 2299.42 lakhs

Chief Engineer, FAO stated that though the project was techno-economically viable, the cost per ha. of annual of Rs.87364/ha was unusually high. Also clearance of MOEF for diversion of 26 ha. forest land and Ministry of Welfare for RR plans was required to be obtained. Chief Engineer, Investigation, Govt. of Andhra Pradesh clarified that there were several factors contributing to this high cost index. The project was located in an Agency area and as per State Govt. norms, 50% extra, over and above SSR, was permitted on labour component. The modified spillway had turned out to be very costly. Lining of canal system upto distributaries had also been planned adding to the cost. As regards R&R, Land is being offered to all tribal oustees increasing thus the cost for this item. Member (P&P), CWC stated that such high investments also called for quick completion schedules so that benefits could start flowing quickly. Representative of Ministry of Welfare agreed to expedite processing of the case. Chief Engineer, FAO stated that as no G&D data was available at dam-site, this should be commenced forthwith. This was agreed to by State representative.

The Committee, noting that the beneficiaries are mainly tribal, accepted the project subject to forest clearance for 20 ha. and clearance of Ministry of Welfare to the RR plans.

(Action: State Government)

REVISED MAJOR PROJECTS11. Auranga Reservoir Project, Bihar

GCA	:	65200	ha.
A.I.	:	55420	ha.
Cost	:	Rs. 297.81	crores

Chief Engineer, PAO stated that the project was originally approved in 1983 by the Planning Commission with some observations. The main observation related to detailed hydrological studies for the project as no G&D data was available then at the project site for a proper study. Regrettably, even after 10 year, no data was forthcoming from the State Govt. (It was reported that since last 1 year data is being observed at the site). The environmental action plans have also been found inadequate by the MOEF. R&R plans required clearance of the Ministry of Welfare also as tribal population is involved. Representative of the State Government stated that the State Govt. was seeking external aid for this project. Secretary (WR) advised the State Government under the circumstances to at least quickly have the hydrological studies done earlier with data of adjacent catchment updated till more data becomes available at the site. The provision of funds till now had also been grossly inadequate and needed stepping up.

Subject to the hydrological study, the clearance of environment management plans & RR plans by MOEF and Ministry of Welfare respectively, the project was found acceptable by the Committee.

(Action: State Government)

REVISED MEDIUM IRRIGATION PROJECT12. Manu Irrigation Project, Tripura

CCA : 4198 ha.
 A.I. : 7580 ha.
 First : Rs. 3328 lakhs
 revised
 cost.

Representative of CWC clarified that there were no outstanding issue in regard to this project. The representative of the State Government confirmed that no forest land was involved. The Committee accepted the project subject to concurrence of State Finance Department.

(Action State Government/Planning Commission)

SHORT NOTES13. Umil Dam Project, U.P.

CCA : 6813 ha.
 A.I. : 4769 ha.
 Cost : Rs. 2945.15 lakhs

Representative of the CWC pointed out that the Planning Commission had approved the project in 1978 for Rs. 856.27 lakhs with the condition that the irrigation intensity may be increased to 70% and revised estimate submitted to the CWC. The State Government has accordingly reduced the CCA drastically from 30968 ha to 6813 ha to increase the intensity from 15.4% to 70%. Instead of submitting the revised proposals immediately to the CWC, the State Government had come to the CWC at a very late stage when there was no scope to check the basic planning. An expenditure of Rs. 22 crores had already been incurred, and it was programmed to complete the works by June 1995.

One other issue was that the cost of the dam is to be shared by M.P. and so far no releases were reportedly received from that State by U.P. The suggestion of CWC was therefore that the Planning Commission may convey the irregularity to the State Government of incurring substantial expenditure without revised approval and they may also be advised to complete and close the works at the cost now finalised. This was accepted by the Committee.

(Action: State Govt./Planning Commission)

Item II. Status of Techno Economic Appraisal of unapproved on-going and unapproved new projects

The status of appraisal brought out by CWC was noted by the Committee. Secretary (WR) expressed concern that the position of clearance of unapproved projects was not improving at all despite the fast track and relaxed procedure offered to the States. In many cases, even the DPR was not yet submitted. Projects accepted by Advisory Committee long back were yet to obtain environment clearance. He requested Planning Commission to again appropriately take it up with the State Governments.

Item III: Relaxation in existing norms for project appraisal

1. Revised estimate for Major Projects

The suggestion of the CWC, which was accepted by the Planning Commission also, was accepted by the Committee.

2. Revised Estimate for Medium Projects

After discussions it was directed that CWC may bring up all revised estimates of medium projects before the Committee even if B.C. ratio was less than 1.5.

3. Drinking Water Provision

The Committee accepted the proposal of the CWC that even in projects, already accepted by the Advisory Committee before adoption of National Water Policy in 1987, a water supply provision should now be made when project is processed again in the CWC even if the irrigation success suffers marginally.

Annexure

List of Participants

Members

1. Dr. C.D.Thatte, Secretary (WR)Chairman
2. Shri M.S.Reddy, Chairman, CWCMember
3. Shri S.P.Kazal, Director,
Deptt. of Expenditure
(representing Secretary,
Expenditure) Member
4. Dr. M.G.Lande, Additional
Commissioner, Crops Division
(representing Secretary,
Deptt. of Agriculture) Member
5. Shri M.D.Paliath, Director,
Ministry of Welfare
(representing Secretary,
Ministry of Welfare) Member
6. Dr. T.N.Chaudhary, ADG,
ICAR (representing Director-
General, ICAR) Member
7. Shri A.S.Gupta, Dy. Adviser,
I&CAD, Planning Commission
(representing Adviser, I&CAD) Member
8. Shri V.V.Rao, Director,
Finance, Ministry of Water
Resources (representing
Financial Adviser (WR)) Member
9. Shri S.S.Iyer, Chief
Engineer, PAO, CWC Member
Secretary

Special Invitees

1. Shri C.Sudhindra, Member (P&P), CWC
 2. Shri D.S.Ramamurthy, Chief Engineer, CWC
 3. Shri S.R.Sahasrabudhe, Commissioner (Pr.) M.O.W.R.
 4. Shri Jose C.Samuel, Dy. Commr. (SWC), Min. of Agricul
- M.O.W.R/CWC
1. Dr. B.K.Mittal, Director, CWC
 2. Shri Rajendra Mishra, Dy. Secretary (EA), MOWR
 3. Shri S.L.Pahuja, Director, PPO
 4. Shri A.Sekhar, Director, PA(N)
 5. Shri A.B.Pal, Director, PA(C)
 6. Shri K.S.Jacob, Dy. Director, PPO
 7. Shri Indra Raj, Dy. Director, PPO
 8. Shri Om Prakash, Dy. Director, PA(S)
 9. Shri W.M.Tembhurney, Dy. Director, PA(C)
 10. Shri S.N.Kataria, Dy. Director, PA(C)

11. Shri M.S.Agrawal, Dy. Director, PA(N)
12. Shri S.T.Hasnain, Dy. Director, PA(N)
13. Shri K.P.S.Senger, Dy. Director, PA(S)

State Governments

Orissa

1. Dr. G.N.Padhi, Engineer-in-Chief(Plg)
2. Shri S.Panda, Director(Plg)

Gujarat

3. Shri O.T.Gulati, Supdt. Engineer, Mahi Irrg. Circle
4. Shri K.G.Rathod, Supdt. Engineer, CDO

Madhya Pradesh

5. Shri R.C.Goswami, SE, Sindh Circle
6. Shri S.C.Bhatnagar, SE, Rajghat

Andhra Pradesh

7. Dr. K.N.Raja Rao, Chief Engineer, Investigations
8. Shri V.V.Subba Rao, Chief Engineer, Medium
9. Shri B.Rosiah, Supdt. Engineer(Invg)
10. Shri C.Krishnamurthy, Dy. Chief Engineer(Medium)

West Bengal

11. Shri N.R.Panda, Supdt. Engineer, I&P Circle

Bihar

12. Shri B.M.Misra, Supdt. Engineer, Auranga Const. Circle

Maharashtra

13. Shri V.V.Gaikwad, Supd. Engineer, Osmanabad Irrg. Circle

Uttar Pradesh

14. Shri A.C.Arora, Supdt. Engineer, Mahoba
15. Shri C.B.Sharma, Executive Engineer, Mahoba

Tripura

16. Shri M.K.Das, Addl. Chief Engineer, Agartala

No. 16/27/93-PA(N)/ ~~16~~ 1601- 1650
Government of India
Central Water Commission
Project Appraisal Organisation

R.No. 511(S),
Sewa Bhawan,
R.K.Puram,

New Delhi, the 17/11 November, 1993.

Sub: 56th Meeting of the Technical Advisory Committee
on Irrigation, Flood Control and Multipurpose
Projects held on 10th November, 1993.

The undersigned is directed to forward a copy of Summary
Record of the above meeting for information and necessary action
please.

Encl.: Copy of Summary
Record.

A. Sekhar
(A. Sekhar)
Director (PA-North)
for Chief Engineer (PAO) and
Member Secretary.

17/11
Copy to:

MEMBERS OF COMMITTEE

1. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
2. Shri S.P. Kazal, Director, Deptt. of Expenditure, Ministry of Finance, North Block, New Delhi.
3. Secretary, Department of Power, S.B. Bhawan, New Delhi.
4. Secretary, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, New Delhi.
5. Dr. G.C. Verma, Deputy Director, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Secretary, Ministry of Welfare, Room No. 604, A-Wing, Shastri Bhawan, New Delhi.
7. Shri M.D. Paliath, Director, Ministry of Welfare, 'B' Wing, 4th floor, Lok Nayak Bhawan, New Delhi.
8. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
9. Shri S.S. Chhibbar, Joint Commissioner (CC), Department of Agriculture and Cooperation, Krishi Bhawan, New Delhi.
10. Dr. Suraj Bhan, Joint Commissioner (CC), Department of Agriculture and Cooperation, Krishi Bhawan, New Delhi.
11. Director General, I&CAR, Krishi Bhawan, New Delhi.
12. Chairman, CEA, Sewa Bhawan, R.K. Puram, New Delhi.

Contd...2.

13. Shri B.K.Gaur, Chief Engineer (MFA), CE4, Sewa Bhawan, R.K.Puram, New Delhi.
14. Chairman, Central Ground Water Board, III IV, CGO New Complex, Faridabad-121001.
15. Shri H.Kittu, Chief Hydrogeologist, Central Ground Water Board, III IV, CGO New Complex, Faridabad-121 001.
16. Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
17. Shri S.S.Singh, Joint Adviser, Planning Commission, Yojana Bhawan, New Delhi.
- ✓ 18. Shri J.N.Nanda, Deputy Adviser, Planning Commission, Yojana Bhawan, New Delhi.
19. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
20. Financial Adviser, Ministry of Water Resources, S.S.Bhawan, New Delhi.
21. Shri V.V.Rao, Director (Finance), Ministry of Water Resources, S.S.Bhawan, New Delhi.

SPECIAL INVITEES:

1. Member (RM and D&R), CWC.
2. Commissioner (I&MI), Ministry of Water Resources, CGO Complex, New Delhi.
3. Commissioner (ER), Ministry of Water Resources, CGO Complex, New Delhi.
4. Commissioner (Pr.), Ministry of Water Resources, S.S.Bhawan New Delhi.
5. Shri S.K.Agrawal, Joint Commissioner (Pr.), Ministry of Water Resources, S.S.Bhawan, New Delhi.
6. Commissioner (PP), Ministry of Water Resources, S.S.Bhawan, New Delhi.
7. Chief Engineer (Monitoring), CWC.
8. Chief Engineer (PPO), CWC.
9. Director (PP Cell), CWC (Shri S.L.Pahuja)
(10 spare copies to send to field engineers).
10. Director, Cost Engineer (Irrigation), CWC.
11. Director, PA-Central, CWC. (10 spare copies are sent to send to concerned field engineers).

STATE GOVERNMENTS:

Andhra Pradesh

1. Resident Commissioner, Govt. of A.P., New Delhi.
2. Commissioner for Project Formulation & ex-officio Secretary, I&CAD Deptt., A.P.Secretariat, Hyderabad-500022.
3. Dr. K.H.Raja Rao, Chief Engineer (Investigation), I&CAD Dept Govt. of Andhra Pradesh, Erram Manzil, Hyderabad-500 431.

Contd....

Assam

4. Secretary, Irrigation & Flood Control Deptt., Govt. of Assam, Gauhati-3.

Bihar

5. Secretary, Water Resources Deptt., Govt. of Bihar, Patna.

Maharashtra

6. Secretary, Irrigation, Govt. of Maharashtra, Mantralaya, Bombay-400 032.

Madhya Pradesh

7. Chairman, MVDA, Narmada Bhawan, Bhopal-3 (M.P.).

Orissa

8. Secretary, Irrigation, Govt. of Orissa, Bhubaneswar.

Uttar Pradesh

9. Principal Secretary, Irrigation, Govt. of Uttar Pradesh, Lucknow.

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SUMMARY RECORD OF THE 56TH MEETING OF THE ADVISORY COMMITTEE
ON IRRIGATION, FLOOD CONTROL & MULTI-PURPOSE PROJECTS HELD
ON 10TH NOVEMBER, 1993.

1. List of participants as at Annex.
2. Welcoming the participants, Chairman desired that the agenda items & projects be taken up for discussion.

AGENDA ITEM I

CONSIDERATION OF PROJECTS

A. NEW MAJOR/MULTIPURPOSE PROJECTS

1. Omkareshwar Multipurpose project (M.P)

CCA	:	1,46,800 ha.	Power:	520 mw
AI	:	2,83,320 ha.	Cost :	Rs.1784.29 crores.

Introducing the project, Director, P.A.(C), CWC stated that the project had been earlier considered by the Committee in Oct., 1988 but a decision on its acceptance was postponed as processing for environment & forest clearance had not been done. These clearances, including clearance of R&R plans from the Welfare Ministry, had now been obtained. The scope of the project was the same as put up earlier and only the cost had been updated. Representative of CEA stated that due to revision in excise duty, the cost of the electrical equipment, indicated as Rs.421 crores in the TAC note, may actually be about Rs. 388 crores. Director, P.A. (C) clarified that this would change the total cost but the cost of the irrigation component would not change nor would the project (irrigation component)

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Economics be affected by this revision. CE(PAO), CWC, stated that the project would need vetting by NCA as per the Narmada Tribunal Award stipulations to check if the project parameters remained in conformity with the Award.

The Committee found the project acceptable subject to NVDA getting the project vetted by NCA, CEA clearing the cost of electrical equipment so that the final cost for investment clearance became available and State Finance Deptt. concurring in this final cost.

(Action: CEA/NVDA)

2. Modernisation of Sone Canal System (Bihar).

CGA: 30,000 ha.

AI: 48,600 ha.

Cost: Rs. 235.93 crores.

CE (FFO), CWC stated that the project had been earlier accepted by the Committee in 1982 and environmental clearance given in 1984. However, for various reasons, Planning Commission could not issue the investment clearance. The earlier proposal was being brought up again as a pilot scheme with modifications in components and updating of cost. It was clarified by the State representative to the CGWB that conjunctive use planning would be done in the subsequent phases. Representative of the Ministry of Agriculture suggested for inter-cropping of pulses with sugarcane to further improve the agricultural production.

- 3 -

Chairman stated that this being a pilot scheme, such suggestions should be implemented so that the larger project can be better conceptualised. Representative of the MOPF desired to have a copy of the updated DPR. State Officials agreed to furnish the same to them.

The Committee found the project acceptable and recommended it for investment clearance subject to State Finance Department concurring in the cost.

(Action: State Govt./Plg.Comm.)

3. Rajghat Canal Project (UP)

CCA : 2,70,520 ha.
AI : 1,38,660 ha.
Cost : Rs.126.43 crores.

Director (PA-N), CWC stated that the Rajghat dam was approved long back in July 1980 and the canal project of MP accepted by the Committee in its last meeting held in Aug. 1993. Keeping in view the expenditure level on the Rajghat Canals system of UP, it was considered appropriate to bring it up quickly before the Committee. Chairman stated that the inter-state issues mentioned in the note viz. preparation of integrated working tables, remodelling of Dhukwan weir and sharing of cost of Datia Carrier Canal merited discussion. Director (PA-N) informed that these issues cropped up in the context of the MP project also when the Committee decided that the proposed Botwa River Valley

H.P

Authority would attend to such issues. Jt. Commissioner, MOWR informed that in pursuance of the decision taken in the last meeting of the Betwa Board held in Aug. 93, MOWR had circulated to the concerned states draft constitution and TCR's of the proposed Authority. However, their response was still awaited. Member (P&P) opined that the existing mechanism for Rajghat dam where a Committee of Chief Engineers has already been constituted to go into the issue of sharing of stored waters, could look into Rajghat Canal operation also. While agreeing to this, Chairman stated that UP should pursue the working tables preparation by collecting all required data from MP, finalise it in the Committee of Chief Engineers and send it to the CWC for vetting. The issues like cost sharing of Dalia Carrier and remodelling of Dhukwan weir-form issues to be settled mutually without waiting for the Authority to be constituted.

The Committee considered the project acceptable subject to forest clearance and State Finance concurrence for finalised cost.

(Action: State Government)

B. NEW MEDIUM SCHEMES

Masalga Irrigation Project (Maharashtra)

CCA : 2840 ha. AI : 2089 ha Cost: Rs.1050.73 lacs

5. Chandrabhaga Project (Maharashtra)

CCA : 7013 ha AI: 8135 ha Cost: Rs. 3530.51 lakhs

6. Pentakli Tank Project (Maharashtra)

CCA: 8194 ha AI: 9505 ha Cost : Rs. 3441.12 lakhs

The Committee noted that all the projects were technically economically viable and there were no outstanding issues concerning R&R^{or}/forest clearance. The Committee, however desired that in the case of Masalga Project in Latur district, which was devastated recently by an earthquake, the seismic coefficient adopted for design may be reviewed. In the case of Chandrabhaga project, it was brought to the Committee's notice that though Planning Commission had included this in the 8th Plan, no provision was indicated. Member (P&F), CWC emphasised that objective provisions should be made with a view to expeditiously complete the project.

The Committee found all the 3 projects acceptable and recommended them to the Planning Commission for investment clearance subject to State Finance Department concurrence being conveyed to the costs with adequate provision.

(Action: State Govt./Planning Commission)

7. Palemvagu Project (A.P.)

O.C.A. : 4100 ha. AI: 6230 ha. Cost: Rs. 2512.87 lakhs.

8. Pedderu Reservoir Project (A.P.)

O.C.A. : 3900 ha. AI: 6460 ha. Cost: Rs. 2623 lakhs.

Director (P&S), Central Water Commission stated that these projects were techno-economically viable. Forest clearance in the case of Palemvagu & clearance of R&R Plans by Welfare Ministry in the case of Pedderu were yet to be obtained by State Government. The main issue was that these projects were not included in the 8th Plan but their appraisal had been taken up with the approval of the earlier Chairman of the Committee. Chairman wanted to know how the State Govt. was going to accommodate these two projects with a total outlay of Rs. 55 crores in view of the large spillover cost of the ongoing medium projects. Member (P&P), C.W.C. desired that the State Govt. should come forward with a commitment to provide outlays to these two projects with a view to complete them in 5-7 years. The representative of the Planning Commission fully agreed with the views expressed by Member (P&P), C.W.C. Representative of the State Govt. assured that the State Govt. was committed to provide adequate funds for these projects once TAC clearance was given.

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The Committee decided that though the projects were technically acceptable, Planning Commission would take action for according investment clearance not only after the required clearance from Ministry of Environment & Forests/Welfare Ministry, as the case may be, had been obtained but also after the State Govt. commits funds on these projects in the 6th Plan to the satisfaction of the C.W.C. and the Planning Commission.

(Action: State Govt.)

C. REVISED MAJOR PROJECTS

9. Upper Kolab Irrigation Project (Orissa)

CCA : 47715 ha.

AI : 88750 ha.

Cost: Rs.157.97 crores (excluding share cost of dam)

Rs.204.78 Crores (including share cost of dam)

Director, P.F.O., C.W.C. explained that while technically there were no outstanding issues, the environmental clearance was yet to be settled. Director, PA(N), C.W.C. stated that in the case of revised estimates, where environmental clearance was not required earlier at the time of original sanction, Ministry of Environment & Forest was being requested to advise only on the safeguards to be implemented keeping in view that the projects at RE stage are usually in advanced stage of construction.

contd...8/-

However, this was yet to be agreed to by MOEF. The representative of Ministry of Environment & Forest agreed to get the action plans examined when submitted by State Govt. keeping in view the recommendation of their Regional Office at Bhubaneswar. Representative of the Ministry of Welfare queried about the status of R&R. Chief Engineer of the Project clarified that R&R was not a problem. Out of 3179 families, 525 had been shifted to R&R centres and the rest had opted for cash compensation. Only about 100 cases were pending for establishing the bonafides of oustees etc. He agreed to send immediately to the Welfare Ministry a status report on R&R..

The Committee found the project acceptable and recommended it for investment clearance subject to concurrence of State Finance Department and obtaining environmental clearance.

(Action: State Govt.)

10. Dhansiri Irrigation Project (Assam)

CCA : 41683 ha.
AI : 83366 ha.
Cost : Rs. 158.32 Crores.

Director, PA(O), CWC stated that there was no change in the scope of the project as approved earlier. Representative of the State Govt. informed that in November, 1982, the Ministry of Home Affairs, Govt. of India

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had conveyed vide their letter No. MHA/NE IV 11011/12/82 dated 6.11.82 that Govt. of Arunachal Pradesh had no objection to the commencement of work on the project.

The Committee noted the above position and found the project acceptable and recommended it for investment clearance subject to environment clearance being accorded by MOEF and State Finance Department concurrence being conveyed.

(Action : State Govt.)

11. Madhya Ganga Canal (U.P.)

CCA : 2,56,000 ha.
AI : 1,78,000 ha.
Cost : Rs. 448.19 Crores.

The Committee considered the project acceptable and recommended it for investment clearance subject to environmental clearance. State Finance concurrence to cost being obtained & conveyed. The issue of whether a formal clearance for forest land is required from MOEF had to be settled by the State Forest Department with MOEF.

(Action: State Govt.)

12. Eastern Ganga Canal

CC : 2,32,510 ha.
LI : 1,05,000 ha.
Cost : Rs.258.48 crores.

Director, FA(N), C C informed that the scope of the project was the same as earlier approved. CB(FA) stated that B.C. Ratio of 1.35 worked out for the project was on the low side and he had got it rechecked by Director (Agr.) & Director (Eco.) of C.C. keeping in view the yields and current prices of agriculture produce accepted for Madhya Ganga Canal. The B.C. Ratio was in fact around 2.10. The Committee considered the project acceptable subject to environmental clearance by MOEF and State Finance concurrence being conveyed. The issue of whether a formal forest clearance is required or not from MOEF has to be settled by State Forest Department with MOEF.

(Action: State Govt.)

D. REVISED MEDIUM

13. Birupa Genguti Island Irrigation Project

CCA : 3369 ha.
LI : 3036 ha.
Cost : Rs.1145.36 lakhs

The Committee found the project acceptable and recommended it for investment clearance subject to State Finance Deptt. concurrence being conveyed.

(Action : State Government/
Planning Commission)

B. FLOOD CONTROL SCHEME

Project estimate for New Retired (A.F.) Bund from km. 1.250 to link bund to km. 6.4 of A.F. bund and protection works on left bank of River Gandak in Deoria Dt. (U.P.) cost Rs.392 lakhs.

CE(PPO) who is also Chairman, SFCD, informed the Committee that the above scheme had already been implemented on the advice of the Gandak High Level Committee. The Advisory Committee found the project acceptable and recommended it for investment clearance.

(Action: Planning Commission)

F. WATER AVAILABILITY FOR RAYALSEEMA THERMAL POWER PLANT (MADHAR PRADESH)

Director (I&E), CEC informed that the Mylavaram Dam had earlier been approved in 1967 as a Irrigation project. Now the State Govt. proposed to supply 1.32 TMC (42 Cusecs) of water from the dam to the Rayalseema Thermal Power Plant Stage I & II. This requirement has been vetted by CEA who have requested CEC to clear the water availability. The working tables had been checked with the additional requirement and it was found that irrigation was not affected. It was therefore proposed to clear the water availability for the thermal plant. The Committee noted and accepted the water supply provision for the thermal plant from Mylavaram dam.

(Action : CEA)

as per the Narmada Tribunal

AGENDA ITEM: II

STATUS OF ONGOING UNAPPROVED AND NEW UNAPPROVED PROJECTS

The Committee noted the status brought out in the agenda note.

AGENDA ITEM: III

REVISION IN NORMS FOR PROJECT APPRAISAL

1. Need for Evaluation of Financial Return

The Committee considered the PAO proposal to dispense with calculation of financial return for irrigation projects processed in CWC as invariably the return was on the negative side due to low water charges. The representative of Planning Commission and the Committee felt that to drive home the fact that water charges need substantial enhancement, the calculation of financial return may be continued.

2. Acceptance of lower B.C.Ratio for projects in Tribal Area.

The proposal of PAO that for projects benefitting predominantly tribal areas a lower B.C.Ratio upto 1.0 could be accepted was discussed. Representative of Planning Commission felt that this needed examination with reference to projects in other sectors also in tribal areas. It was decided that CWC would make a separate reference to the Planning Commission.

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... as per the Narmada Tribunal

List of ParticipantsMembers of the Committee

S/Shri

- | | | | |
|-----|--|----|-------------------|
| 1. | M.S. Roddy, Secretary(WR) | .. | in the Chair |
| 2. | S.J. Kazal, Director, Deptt. of Expenditure (representing Secretary (Expenditure)) | .. | Member |
| 3. | Dr.S.C.Verna, Dy. Director, Ministry of Environment & Forests (representing Secretary, MOEF) | .. | Member |
| 4. | S.S.Chhibbar, Joint Commissioner & | .. | Member |
| 5. | Dr. Suraj Bhan, Joint Commissioner (CC), Deptt. of Agriculture & Cooperation (representing Secretary, Agriculture & Cooperation) | .. | Member |
| 6. | B.K. Gaur, Chief Engineer (HPA), CEA (representing Chairman, CEA) | .. | Member |
| 7. | N.Kittu, Chief Hydrogeologist, CGWB (representing Chairman, CGWB) | .. | Member |
| 8. | H.D. Paliath, Director, Ministry of Welfare (representing Secy. Welfare) | .. | Member |
| 9. | S.S. Singh, Joint Adviser, Planning Commission and | .. | Member |
| 10. | J.N. Nanda, Deputy Adviser, Planning Commission (representing Adviser, I&CAD) | | |
| 11. | V.V. Rao, Director (Finance, MOWR (representing Financial Adviser, MOWR) | .. | Member |
| 12. | Y.V. Dharna Rao, Chief Engineer IAO, CWC. | .. | Member-Secretary. |

Special Invitees

1. Shri C. Sudhindra, Member (F&T), CWC.
2. Shri S.K. Agrawal, Jt. Commissioner (Fr.), MOWR.
3. Shri B.P. Singh, Director, GECC.
4. Shri A. Mishra, R.O., Planning Commission.
5. Shri R.S. Chaddha, Director, CEA.

CWC OFFICERS

1. Shri Y.R. Vaidya, Director, CE(I).
2. Shri S.L. Pahuja, Director, IPO(N)

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3. Shri A. Sakhar, Director, FA(N).
4. Dr. P. Rao, Director (Agronomy).
5. Shri M. Ganesan, Director (Eco.).
6. Sh. A.B. Tal, Director, FA(C).
7. Shri Indra Raj, Director, IT(S).

State Governments

Andhra Pradesh

1. Dr. K.N. Raja Rao, Chief Engineer (Inv.), Irrigation & CAD.
2. Shri B. Rosiah, Supdt. Engineer (Inv.), Irrigation & CAD.

Assam

3. Shri J.N. Mazumdar, EE, Dhansiri Project.

Bihar

4. Shri M.A. Mansuri, Chief Engineer (WR)
5. Shri J.N. Singh, SE (Sone Modernisation).

Maharashtra

6. Shri V.V. Gaikwad, Supdt. Engineer, Irrigation, Osmanabad.
7. Shri B.K. Zote, Executive Engineer, Irrigation, Buldh.
8. Shri S.K. Waghmare, Executive Engineer, ITI Designs Divn. Amravati.
9. Shri J.N. Wadhonkar, Executive Engineer, Shahanur Project, Amravati.

Madhya Pradesh

10. Shri A.V. Joshi, Chief Engineer, Lower Narmada.
11. M.K. Sachdeva, SE, Narmada Designs Circle-II.

Orissa

12. Shri J. Tripathy, Chief Engineer, Medium Irrigation-I
13. Shri S.K. Mohanty, Chief Engineer, Upper Kolab.
14. Shri G.C. Sahu, Executive Engineer.
15. Shri H.S. Bawa, Liaison Officer.

Uttar Pradesh

16. Shri Mahendra Singh, CE, Bundhelkand.
17. Shri V.S. Mathur, CE, Madhya Ganga, Meerut.
18. Shri M.R. Arora, SE, Irrigation, Jhansi.
19. Shri R.K. Garg, SE, Irrigation Hardwar.
20. Shri K.T. Saxena, SE, Eastern Ganga, Bijnore.

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11.

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Anc

No.16/27/94-PA(N)/ 198
Government of India
Central Water Commission
Project Appraisal Organisation

Room No.511(S), Sewa Bhawan,
R.K.Puram, New Delhi-110066.

Dated: 15th February, 1994

Subject: 57th Meeting of the Advisory Committee on Irrigation,
Flood Control and Multipurpose Projects held on
27th January, 1994.

The undersigned is directed to forward a copy of
Summary Record of the above meeting for information and
necessary action please.

Encl: Copy of Summary
Record

22/2/94
A. Sekhar
(A. Sekhar)
Director (PA-North)
for Chief Engineer (PAO) and
Member Secretary

Copy to:

Members of Committee

1. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
2. Secretary, Department of Power, S.S. Bhawan, New Delhi.
3. Secretary, Ministry of Environment and Forests, Paryavaran Bhawan, C.G.C. Complex, New Delhi.
4. Secretary, Ministry of Welfare, Room No. 604, A-Wing, Shastri Bhawan, New Delhi.
5. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
6. Director General, ICAR, Krishi Bhawan, New Delhi.
7. Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi.
8. Chairman, Central Ground Water Board, NH-IV, New CGO Complex, Faridabad-121001.
9. ✓ Shri B.N. Navalawala, Advisor (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
10. Advisor (Energy), Planning Commission, Yojana Bhawan, New Delhi.
11. Financial Advisor, Ministry of Water Resources, S.S. Bhawan, New Delhi.
12. Shri V.V. Rao, Director (Finance), Ministry of Water Resources, S.S. Bhawan, New Delhi.

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13. Shri N.Kittu, Chief Hydrogeologist, Central Ground Water Board, NH-IV, New CGO Complex, Faridabad-121001.
14. Shri M.D.Paliath, Director, Ministry of Welfare, 'B' Wing, 4th Floor, Lok Nayak Bhawan, New Delhi.
15. Mrs. Nalini Bhat, Joint Director, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
16. Shri S.S.Chhibbar, Joint Commissioner(Cash Crops), Department of Agriculture & Cooperation, Ministry of Agriculture, Krishi Bhawan, New Delhi.

Special Invitees

1. Shri A.B.Joshi, Member(D&R & RM), CWC.
2. Commissioner(ER), Ministry of Water Resources, CGO Complex, New Delhi.
3. Commissioner(Projects), Ministry of Water Resources, S.S.Bhawan, New Delhi.
4. Commissioner(PP), Ministry of Water Resources, S.S. Bhawan, New Delhi.
5. Commissioner(Indus), Ministry of Water Resources, CGO Complex, New Delhi.
6. Chief Engineer(Monitoring), CWC.
7. Director(PPO-North), CWC.
8. Shri Inder Raj, Director(PPO-South), CWC.
(5 spare copies to send to the State Govt. Officers)
9. Shri A.B.Pal, Director(PA-Central), CWC.
(10 spare copies to send to the State Govt. Officers)
10. Director, Cost Engineering(Irrigation), CWC.
11. Joint Commissioner(Indus), Ministry of Water Resources, CGO Complex, New Delhi.
12. Smt. Uma Goel, Under Secretary(GB-FBP), Ministry of Water Resources, S.S.Bhawan, New Delhi.

State Governments

Haryana

1. Shri J.P.Gupta, Engineer-in-Chief, Irrigation, Government of Haryana, Chandigarh.
2. Shri J.M.Dhingra, Superintending Engineer, S.Y.L. Canal, Irrigation Department, Ambala.

Maharashtra

3. The Secretary, Irrigation, Government of Maharashtra, Mantralaya, Bombay-400032.
4. Shri V.V.Gaikwad, Superintending Engineer, Osmanabad Irrigation Circle, Osmanabad, Maharashtra.

Madhya Pradesh

5. The Secretary, Water Resources Deptt., Government of Madhya Pradesh, Vallabh Bhawan, Bhopal.
6. The Engineer-in-Chief, Water Resources Deptt., Govt. of Madhya Pradesh, Shivaji Nagar, Bhopal.
7. Shri M.L.Khanna, Chief Engineer, Bansagar, Rewa.
8. Shri B.P.Khare, Superintending Engineer, Bansagar Canal, Rewa.
9. Shri C.P.Chaudhary, Superintending Engineer(D), Office of the Chief Engineer, Mahanadi Reservoir Project, Raipur, M.P.

Uttar Pradesh

10. The Principal Secretary, Irrigation, Government of Uttar Pradesh, Lucknow.
11. Shri C.B.Rai, Engineer-in-Chief, Irrigation Department, Government of Uttar Pradesh, U.P.
12. Shri S.K.Kumar, Chief Engineer, Irrigation.
13. Shri V.P.Gerg, Chief Engineer, Irrigation.
14. Shri Suraj Prakash, Chief Engineer, Irrigation.
15. Shri S.B.Singh, Superintending Engineer, Irrigation, Mirzapur.
16. Shri Ram Swaroop, Superintending Engineer, Drainage Circle, Irrigation, Meerut.

Summary Record of the 57th Meeting of the Advisory Committee on Irrigation, Flood Control & Multipurpose Projects held on 27th January, 1994.

1. List of participants as at Annex.
2. Welcoming the participants, Chairman desired that the agenda items and projects be taken up for discussion.

AGENDA ITEM 1

CONSIDERATION OF PROJECTS

A. NEW MAJOR/MULTIPURPOSE PROJECTS

1. GUTLEJ YAMUNA LINK CANAL (HARYANA)

CCA : 18.83 lakh ha.
A.I. : 4.46 lakh ha.
Cost : Rs.61.76 crores.

CE, PAO, CWC introduced the project and stated that this project was meant to utilise share of Haryana in surplus of Ravi-Beas waters. Engineer-in-Chief, Haryana, added that the main link canal had already been completed and the diversion and supplementary channels would be implemented when the work on Punjab portion of the canal resumed. The State Government was facing a problem of maintenance of completed portions of the project from non-plan funds. A formal acceptance of the project by the Committee was a pre-requisite for obtaining plan funds for maintenance. Only the minimum required staff was being deployed for maintenance. The expenditure on the account would also be nominal. Jt. Director, MOEF, stated that the project had never been referred for environmental clearance. At this stage, it was difficult for the MOEF to look into the action plans and suggest safeguards.

Engineer-in-Chief, Haryana, agreed to submit the action plans especially covering the ground water aspects within three months. Representative of the CGWB desired to also have a copy of the action plan as the information earlier submitted on ground-water status was outdated. Representative of the Ministry of Agriculture stated that fodder crops should be clearly specified as the water requirements were different for each crop.

The Committee considered the project acceptable subject to the stipulation that environmental action plan will be got cleared in three month's time. State Finance concurrence was also to be conveyed.

(Action : Government of Haryana)

2. BANSAGAR CANAL PROJECT (MP)

CCA	:	1,97,487 ha.
A.I.	:	2,49,359 ha.
Cost	:	Rs.344.66 crores.

CE, PAC, DDC introduced the project and highlighted the outstanding issues enumerated in the PAC note. Jt. Director, MOEF, stated that the multipurpose project, including the dam, had earlier been cleared in 1984 subject to implementation of a few safeguards. No feedback had been received so far on the status of implementation of the same. Now, in the canal project, a provision of Rs.134.7 lakhs was being indicated for environment and

ecology. No action plans to support this amount had also been received. Chairman advised the State representative to submit both the status of the safeguards earlier suggested as also environmental action plans for the canal portion.

The Committee thereafter considered the project acceptable subject to submission of required information to MOEF as above within 3 months and State Govt. pursuing the matter with MOEF for early clearance failing which the matter would be again brought up before the Committee for appropriate decision. Concurrence of State Finance Department was also to be conveyed.

(Action : Govt. of M.P.)

3. BANSAGAR CANAL PROJECT (UP)

C.C.A. : 2,32,441 ha.

A.I. : 1,50,132 ha.

Estimated Cost : Rs.190.27 crores.

CE,PAO,CWC stated that the supplementary note on the project was being brought up before the Committee for clearance as the project had been deferred earlier in the 49th Meeting of the Committee held on 5-7-90 on account of inter-state issue. Subsequently, in the 13th Meeting of the Bansagar Control Board held on 18-6-93, it was decided that pending projects of UP, MP and Bihar in the Gone Basin will be cleared as a package taking the availability of water for irrigation as 14.25 Maf. The utilisation of 0.78 Maf. proposed by UP in the project including a drinking

component of 0.004 Maf was within their share of 1.25 Maf out of 14.25 Maf and as such the project could be accepted for investment clearance. Chairman stated that the Departments of Power and C.E.A. may be informed that no thermal or hydro-projects in Sone Basin involving consumptive use of Sone Waters should henceforth be cleared by them without consulting CWC & MOWR. Jt. Director - MCEP informed that the proposal for environmental clearance had only recently been received. Forest clearance for canal portion was also outstanding.

- The Committee accepted the project subject to environment and forest clearance and conveying of State Finance Department concurrence to updated cost.

(Action : Govt. of U.P.)

4. MAMNADI RESERVOIR PROJECT (ICP)

CCA : 3,82,765 ha.

AI : 4,25,000 ha.

Estimated Cost : Rs.1223.45 Crores.

CE, PPO, CWC stated that the project was being proposed as a complex comprising improvement to 4 existing dams, construction of 2 new dams and a barrage, remodelling of main canal and lining of distribution system. The work on improving the 4 existing dams as also one new dam and the barrage was more or less completed. Only one new dam vis. Pairi High Dam was still to be taken up. However, the water availability for the complex has been established considering Pairi also in position. The Project

needed therefore to be accepted at the updated cost. Advisor, (I&CAL), stated that this proposal implicitly gave a clearance to Fairi dam also. Jt. Director, MOEF, stated that the environment and forest issues connected with the complex were yet to be submitted to MOEF. Representative of Ministry of Welfare added that as tribals were involved, R&R plans would have to be got cleared from that Ministry also. CE, PAC, CWC informed that a Committee under State Chief Secretary was finalising the R&R plans and necessary action for forest clearance was in hand.

Chairman advised the State representative that senior engineers should discuss the whole project in the CWC especially with reference to detailing of works completed, componentwise and status of environmental action plans. The project was, therefore, deferred for the present and CWC was advised to bring it up again after action is taken to get environmental clearance.

(Action : Government of M.P.)

B. NEW MEDIUM PROJECTS

5. RAIGAVAN PROJECT (MAHARASHTRA)

CCA : 2267 ha.
AI : 1700 ha.
Cost : Rs. 951 lakhs

CE, PAO, CWC introduced the project. CWC had while finalising the project advised on monitoring of ground water level in post project condition, review of design in the light of recent earthquake and firming up of hydrology

when more data becomes available. Representative of the Ministry of Agriculture suggested that wheat may be replaced by other crops like sunflower. Adviser(I&CD) opined that if cost allocation is made to drinking water component, the B.C Ratio would improve further.

The Committee found the project acceptable subject to State Finance concurrence.

(Action: Govt. of Maharashtra/
Planning Commission)

6. BENETURA IRRIGATION PROJECT (MAHARASHTRA)

CCA	:	2548 ha.
AI	:	2293 ha.
Cost	:	Rs.1211.98 lakhs

CE, PAO, CIO introducing the project stated that while finalising the project, CIO had advised for monitoring of ground water levels, review of design flood by Unit Hydrograph Studies, provision of minimum freeboard of 3 M in the dam and review of dam safety in the light of earthquake. Adviser, I&CD, stated that this comment on cost allocation to drinking water was very relevant here as 14% of the gross utilisation was for drinking water. The B.C. Ratio of 1.13 would considerably improve if appropriate cost allocation is made to the drinking water component.

The Committee found the project acceptable subject to State finance concurrence.

(Action : Govt. of Maharashtra/
Planning Commission)

7. PROVIDING IRRIGATION CHANNELS IN MINLOW-KRISHNA DOAB.

CCA : 3000 ha.
AI : 3000 ha.
Cost : Rs.1553.19 lakhs

The Committee considered the project acceptable subject to State finance concurrence.

(Action : Govt. of U.P./
Planning Commission)

C. REVISED MAJOR PROJECTS

8. WESTERN GANDAK CANAL (U.P.)

CCA : 3,95,000 ha.
AI : 3,32,000 ha.
Cost : Rs.154.38 Crores

Director, PA(N), CWC, informed that the project was almost completed and the plan accounts proposed to be closed by 1994-95. There was no change in the scope of the project as earlier approved. At the time of the original clearance in 1969, environmental clearance was not required. However, adequate provision for drainage and conjunctive use had been made in the revised cost. Now what was required was submission of action plans to enable MOEF to suggest safeguards. Chairman asked the State representatives to submit the same within 3 months and pursue the matter for clearance by MOEF.

The Committee found the project acceptable, subject to environment clearance and State finance concurrence.

(Action : Govt. of U.P.)

AGENDA ITEM 2

STATUS OF APPRAISAL OF UNAPPROVED & NEW ONGOING PROJECTS

1. The Committee noted the position brought out by CJC. In the context of one of the projects, Adviser, I&CD, stated that the Advisory Committee was constituted with the objective of giving final clearance. This implied that all statutory clearances were first obtained before projects were put up to the Committee by the CJC. However, Planning Commission noted that a number of even new projects were being brought up before the Committee although the State Governments had not taken any action to obtain environmental clearance. Director, P. (North), CJC clarified that in accordance with the decision taken in the 46th Meeting of the Committee held in December, 1989, the existing procedure was being adopted for on-going projects while for new projects the suggested procedure was being adopted. In case of the two Bansagar Canal projects, although they were more or less new, the dam had been cleared long back and it was, therefore, considered necessary to ascertain the techno-economics of the canal projects also as of now. Hence they were brought up. Member (P&P), CJC, responding to Adviser (I&CD), suggested that for new projects, it would be desirable to see that environmental clearance is obtained before finalising the project or at least it should be pari-passu. It was decided that CJC may be more stringent henceforth in finalising proposals which have not been processed for environmental clearance.

2. Before ending the meeting, Chairman informed the Committee that Shri C.Sudhindra, Member (P&P), CJC would be retiring on 31-1-94. Shri Sudhindra in his capacity as Member (P&P) was responsible for techno-economic clearance of projects in the CJC and a good number of projects were finalised in his tenure which was most praiseworthy. On behalf of the Committee, Chairman, wished Shri Sudhindra a long and happy retired life.

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Annexure

List of Participants

Members of the Committee

S/Shri

1. M.S. Reddy, Secretary (WR) .. In the Chair
2. Mrs. Nalini Bhat, Jt. Director .. Member
Ministry of Environment & Forests
(representing Secy. MOEF)
3. S.S. Chhibbar, Jt. Commissioner .. Member
(Cash Crops) Deptt. of Agri. &
Co-op., Min. of Agriculture
(Representing Secy. Agriculture)
4. N. Kittu, Chief Hydrogeologist .. Member
CGWB (Representing Chairman, CGWB)
5. M.D. Paliath, Director, Min. of .. Member
Welfare (representing Secy.
Welfare)
6. B.N. Navalawala, Advisor (I&CAD) .. Member
Planning Commission.
7. V.V. Rao, Director (Finance) .. Member
Ministry of Water Resources
(Representing Financial
Advisor, MOWR)
8. S.S. Iyer, Chief Engineer, PAO, .. Member-
Central Water Commission. Secretary.

Special Invitees

1. G. Sudhindra, Member (P&P), CWC
2. A.B. Joshi, Member (D&R & RMI), CWC
3. S.R. Sahasrabudhe, Commissioner (Projects)
Ministry of Water Resources.
4. S.K. Das, Sr. Jt. Commissioner (Indus), Min. of W.R.
5. Smt. Uma Goel, Under Secretary (GB-FBP), Ministry
of Water Resources.

C.W.C. Officers

1. A. Sekhar, Director, PA(N), CWC.
2. A.B. Pal, Director PA(C), CWC.
3. Inder Raj, Director PPO(S), CWC.
4. M.S. Agrawal, Dy. Director PA(N), CWC.
5. W.M. Tembhurney, Dy. Director PA(C), CWC.
6. S.T. Hasnain, Dy. Director PA(C), CWC.
7. S.N. Kataria, Dy. Director PA(N), CWC.

State Governments

Haryana

1. J.P. Gupta, Engineer-in-chief, Irrigation, Chandigarh, Haryana.
2. J.M. Dhingra, S.E., S.Y.L. Canal, Ambala.
3. Vinay Malik, Executive Engineer, SYL Divn. Ambala.

Maharashtra

4. V.V. Gaikwad, S.E. Osmanabad, Irrigation Circle, Osmanabad, Maharashtra.

M.P.

5. M.L. Khanna, C.E. Bansagar
6. B.P. Khare, S.E. Bansagar, Canal, Rewa.
7. C.P. Chaudhary, SF(D), Office of C.E., M.R.P., Raipur, M.P.

U.P.

8. C.B. Rai, Engineer-in-chief U.P. Irrigation
9. S.K. Kumar, Chief Engineer, U.P. Irrigation.
10. V.P. Garg, Chief Engineer.
11. Suraj Prakash, Chief Engineer.
12. S.B. Singh, S.E., Irrigation, Mirzapur.
13. Ram Swaroop, S.E., Drainage Circle, Meerut.

NO. 16/27/94-PA(N)/ 651
Government of India
Central Water Commission
Project Appraisal Organisation

R.No. 511(3),
Seva Bhawan,
R.K.Puram,
New Delhi-110 066.

4th July, 1994.

Sub: 58th Meeting of the Advisory Committee on Irrigation,
Flood Control and Multipurpose Projects held on 24th
June, 1994.

The undersigned is directed to forward a copy of Summary
Record of the above meeting for information and necessary action
please.

Encl.: Copy of Summary
Record.

A. Selkhar
(A. Selkhar)
Director (FA-North),
for Chief Engineer (PAO)
& Member Secretary.

Copy to:

MEMBER OF COMMITTEE:

1. Shri R.K.Jain, Dy. Secretary, Deptt. of Expenditure,
(Representing, Secretary Expenditure) Ministry of Finance,
North Block, New Delhi.
2. Secretary, Deptt. of Power, S.S.Bhawan.
3. Dr.S.C.Verma, Dy. Director, Ministry of Environment and
Forests (Representing Secretary Ministry of Environment &
Forest) Paryavaran Bhawan, CGO Complex.
4. Shri M.D.Paliath, Director, Ministry of Welfare,
(Representing Secretary, Welfare) 'A' Wing, Shastri Bhawan.
5. Shri T.Yoganand, Jt.Project Director, Ministry of Agriculture
(Representing Secretary, Agriculture) Krishi Bhawan.
6. Director General, ICAR, Krishi Bhawan.
7. Shri R.K.Grover, Dy.Director, CEA, (Representing Chairman,
C.E.A.).
8. Shri P.U.S.Bhamrah, Director, Conjunctive use Projects,
CGWB (Representing Chairman, CGWB) NH-IV, CGO New Complex,
Faridabad.
- ✓ 9. Shri B.H.Navalawala, Adviser (I&CAD), Planning Commission,
Yojana Bhawan.
10. Adviser (Energy), Planning Commission, Yojana Bhawan,
New Delhi.
11. Financial Adviser, Ministry of Water Resources, S.S.Bhawan.

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Copy also to :

1. Shri S.R.Sahasrabudhe, Commissioner (Projects), Ministry of Water Resources.
2. Commissioner (PP), Ministry of Water Resources.
3. Commissioner (Indus), Ministry of Water Resources, CGO Complex.
4. Commissioner (ER), Ministry of Water Resources, CGO Complex.
5. Shri S.D.Bhargava, CE (Mon.), CMC.
6. Shri S.L.Pahuja, CE (PPO), CMC (2 copies).
7. Director, Cost Engineering (Irrigation).
8. Shri A.B.Pal, Director (PA-Central).
9. Shri P.K.Agarwal, IAS, Secretary (Projects), Govt. of Andhra Pradesh, Hyderabad.
10. Dr.K.N.Raja Rao, Commissioner for Projects Formulation and Ex-officio Secretary to Govt. of Andhra Pradesh, Irrigation, Hyderabad.
11. Shri A.Narasimha Reddy, Chief Engineer, Srisailem Project, Andhra Pradesh.
12. Shri T.K.Sasi, Chief Engineer, Investigation & Planning, Trivandrum, Kerala.
13. S.Thomas, Executive Engineer, Irrigation Division, Thrissur-680 020, Kerala.
14. Shri S.C.Kulshrestha, S.E., I.T.C., Mirzapur.
15. Shri Ramesh Chander, Chief Engineer, S.Y.L. (Construction), Irrigation Deptt. Punjab, Chandigarh.
16. Shri J.Tripathy, Chief Engineer, Medium Irrigation-I, Bhubaneswar-751 012.
17. Shri S.Panda, Director (Planning), Unit-8, Bhubaneswar-751 012.
18. Shri S.A.Nagra, S.E., Irrigation Department, Aurangabad Irrigation Circle, Aurangabad, Maharashtra.

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Summary Record of the 58th Meeting of the
Advisory Committee on Irrigation, Flood
Control and Multipurpose Projects held on
24th June, 1994.

1. List of participants as at Annex.
2. After welcoming the participants, Secretary (WR) and Chairman of the Committee desired that the projects be taken up for consideration by the Committee.

A. New Major Projects

1. Idamalayar Irrigation Project (Kerala)

CCA	:	13209 ha.
AI	:	27513 ha.
Cost	:	Rs.107.00 Crores

CE, PAO explained the project proposals. The discussions on the project thereafter mainly centred around the 1970 inter-state agreement between Kerala and T.Nadu on the Parambikulam Aliyar Project. As per the agreement, Kerala is inter-alia entitled to utilise a total volume of 12.3 TMC every year from the Kerala Sholayar reservoir which in turn receives supplies from the upper reservoir in Tamil Nadu viz. Tamil Nadu Sholayar reservoir. The irrigation planning for the Chalakudy component of the project was done based on this availability. The Committee noted that the agreement has become open for review in November, 1988 but so far the two State Governments had not done any review. Representatives of the project stated that the Joint Water Regulation Committee comprising the Chief Engineer of the two States had been meeting regularly even after 1988 and the representatives of Tamil Nadu had in the Committee assured for release of 12.3 TMC as per the agreement and thus according to them, the agreement is still in force. The Committee, however, felt that since the agreement has now become open for review, an assurance from the Government of Tamil Nadu would be required for honouring the commitments made in the agreement in so far as the Chalakudy basin were concerned.

Representative of the MOEF stated that though the project was cleared in 1981, the drainage master plan had not so far been submitted. The progress on compensatory afforestation was also not informed to them. Chairman stated that merely providing for drainage in the estimate was not enough. He asked the project authorities to submit the drainage master plan and also inform the MOEF the progress on compensatory afforestation. Representative of CGWB stated that as per their information, some pockets of water logging were manifest in the project area earlier. Monitoring of water levels was therefore very essential.

The Committee considered the project techno-economically viable but Planning Commission may take action for investment clearance only after the following actions were taken by the State Government:

- (1) Obtaining an assurance from the Govt. of Tamil Nadu for continued supplies of 12.3 TMC for the Chalakudy system as per the inter-state agreement of 1970.
- (2) Submission of drainage master plan and progress report on compensatory afforestation to MOEF.
- (3) Commencement of pre and post monsoon ground water monitoring and sending of this data regularly to CWC and CGWB.
- (4) Obtaining concurrence of State Finance Department to the project cost.

Action on all these points need to be completed within six months, or within an extended period as the Committee may decide. In the absence of completion of this action, the Committee's clearance may lapse.

(Action : State Government)

2. Lining of Channels in Bundelkhand and Baghelkhand regions of UP.

CCA : 4,36,800 ha.
AI : 23,778 ha. (addl.)
Cost : Rs. 57.37 Crores.

Director, PA(N) stated that the only problem in this project was the slow pace of funding and at this rate, the project would not be completed even in the Ninth Plan. The Committee noted with concern that for such a vast irrigation system in drought prone areas, annual allocation of only Rs.2 crores or so was being made for this project clearly showing that the State Government was not very serious about this project. The project with a B.C. Ratio of 1.0 (being in drought prone area) was found acceptable by the Committee but decision regarding investment clearance would be taken by the Planning Commission only after -

- (1) environment clearance is obtained from MOEF by the State Government within 6 months.
- (2) a communication being immediately received from the State Govt. in the CWC assuring of adequate outlays to quickly complete the project.
- (3) conveying concurrence of State Finance Deptt. to project cost.

(Action : State Government)

3. Sutlej Yamuna Link Canal (Punjab portion)

Cost : Rs.601.25 crores

The Committee found the project acceptable for the updated cost of Rs.601.25 crores.

B. Revised Major

4. Srisaillam Right Branch Canal Project
(Andhra Pradesh)

CCA : 76,890 ha.
AI : 1,00,870 ha.
Cost : Rs.1185.58 crores

Commissioner for Project Formulation, A.P., presented the project proposals. Chairman stated that the other required clearances from Ministry of Environment and Forests and Ministry of Welfare were still to be obtained by the State Government. Secretary (P), A.P., stated that all required actions for obtaining these clearances have been taken. The R&R Plans were already under discussion with the Ministry of Welfare who had desired that a minimum of 2 ha. irrigated land should be provided to each oustee tribal family, the customary rights of tribals be preserved and the major sons of oustee tribal family be also extended the R&R benefits.

There was discussion on the water availability for the project. Adviser, (I&CAD), stated that the project was earlier cleared in 1981 for an utilisation of 19 TMC comprising 9 TMC from regeneration and balance 10 TMC from savings to be effected by modernisation of existing systems. While the utilisation was now the same, 11 TMC was being reckoned now against regeneration and only 8 TMC from modernisation of the KC Canal. Member (WP&P), CMC stated that keeping in view that the completion of the project would be achieved by 2000 A.D. and AP's share from regeneration of 11 TMC could become available in 1998-99, this was acceptable. However, the Committee asked the State Government to note that the entire 19 TMC had to be reckoned against regeneration/modernisation of existing systems as now approved and no proposal should be made in the future for reckoning this quantum against surplus Krishna waters.

The project with a BC Ratio of 1.08, as it benefits drought areas, was found acceptable by the Committee subject to State Government obtaining environment and forest clearance from the MOEF and clearance of R&R plans from the Welfare Ministry within 6 months. Thereafter Planning Commission would take action for according investment clearance.

(Action: State Government)

C. New Medium

5. Tembhapuri (Maharashtra)

CCA : 6378 ha.
AI : 4784 ha.
Cost : Rs.1809.52 lakhs

6. Shivana Takli (Maharashtra)

CCA : 6600 ha.
AI : 6600 ha.
Cost : Rs.3476.26 lakhs

The Committee found the projects benefitting drought prone areas acceptable with a BC Ratios of 1.13 and 1.20 respectively subject to R&R Plans for Shivana Takli being got cleared from the Ministry of Welfare within 3 months and concurrence of State Finance Deptt. being conveyed for the cost now finalised for these two projects before Planning Commission could take action for according investment clearance.

(Action : State Govt.)

7. Bagh barrage (Orissa)

CCA : 9660 ha.
AI : 12,364 ha.
Cost : Rs.4471.70 lakhs

The Committee accepted the project subject to forest clearance being obtained within 6 months by the State Govt. and concurrence of State Finance Deptt. being conveyed to the cost before Planning Commission could take action for according investment clearance.

(Action : State Govt.)

8. Baghalati (Orissa)

CCA : 5,050 ha.
AI : 6,050 ha.
Cost : Rs.4,544 lakhs.

The Committee found the project acceptable subject to R&R Plans being got cleared from the Ministry of Welfare within 6 months before Planning Commission could take action for according investment clearance.

(Action : State Govt.)

D. REVISED MEDIUM

9. Sabua-Badajore (Orissa)

CCA : 2,680 ha.
AI : 3,752 ha.
Cost : Rs.3,320.98 lakhs.

The Committee found the project acceptable for the revised cost and recommended it to the Planning Commission for according investment clearance.

(Action : Planning Commission)

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LIST OF PARTICIPANTSMEMBERS OF THE COMMITTEE

- S/Shri
1. M.S.Reddy, Secretary, Ministry of Water Resources. ... In the Chair
 2. R.K.Jain, Deputy Secretary, Deptt. of Expenditure (Representing Secretary, Expenditure). ... Member
 3. Dr. S.C.Verma, Dy.Director, Ministry of Environment & Forests (Representing Secretary, Ministry of E & F). ... Member
 4. T.Yoganand, Jt.Project Director, Ministry of Agriculture (Representing Secretary, Agriculture) ... Member
 5. M.D.Paliath, Director, Ministry of Welfare (Representing Secretary, Welfare). ... Member
 6. P.J.S.Bhamrah, Director, Conjunctive use Projects, C.G.W.B. (Representing Chairman, CGWB). ... Member
 7. B.N.Navalawala, Adviser (I&CAD) Planning Commission. ... Member
 8. R.K.Grover, Dy.Director, CEA. (Representing Chairman, CEA). ... Member
 9. N.Sathyamurthy, Chief Engineer (PAO) C.W.C. ... Member Secretary

SPECIAL INVITEES

- S/Shri
1. A.D.Mohile, Member (WP&P), C.W.C.
 2. S.R.Sahasrabudhe, Commissioner (Projects) Ministry of Water Resources.

.....(ii)

C.W.C. OFFICERS

S/Shri

1. S.D.Bhargava, Chief Engineer (Mon.).
2. S.L.Pahuja, Chief Engineer (PPO).
3. C.D.Khoche, Director (ISM).
4. A.Sekhar, Director (PA-N).
5. A.B.Pal, Director (PA-C).
6. Dr.Purshotam Rao, Director (Agronomy).
7. M.Ganesan, Director (Eco).
8. Inder Raj, Director (PPO-S).
9. M.S.Agrawal, Dy.Director (PA-N).
10. W.M.Tembhurney, Dy.Director (PA-C).
11. S.T.Hasnain, Dy.Director (PA-N).
12. Om Prakash, Dy.Director (PA-S).
13. R.K.Jain, Dy.Director (PA-S).
14. M.K.Srinivas, Dy.Director (PA-C).

STATE GOVERNMENTS

Andhra Pradesh

S/Shri

1. P.K.Agarwal, IAS, Secretary (Projects), Govt. of Andhra Pradesh, Hyderabad.
2. Dr.K.N.Raja Rao, Commissioner for Projects Formulation and Ex-officio Secretary to Govt. of Andhra Pradesh, Hyderabad.
3. A.Narasimha Reddy, Chief Engineer, Srisailem Project, Andhra Pradesh.

KERALA

4. T.K.Sasi, Chief Engineer, Investigation & Planning, Trivandrum, Kerala.
5. S.Thomas, B.E., Irrigation Division, Thrissur, Kerala.

Uttar Pradesh

6. S.C.Kulshrestha, S.E., I.W.C., Mirzapur, U.P.

(iii)

Punjab

7. Ramesh Chander, Chief Engineer,
S.Y.L. (Construction),
Irrigation Deptt., Punjab, Chandigarh.

Orissa

8. J.Tripathy, Chief Engineer, Medium Irrigation-I
9. S.Panda, Director (Planning).

Maharashtra

10. S.A.Nagra, S.E.,
Irrigation Department,
Aurangabad Irrigation Circle,
Aurangabad, Maharashtra.

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(No. 16, 27/94-P.(N) / 46
Government of India
Central Water Commission
Project Appraisal Organisation

Room No. 407,
Sewa Bhawan,
K.M. Puram,

New Delhi, the 11th January, 1995.

Sub: 59th meeting of the Advisory Committee on Irrigation,
Flood Control and Multi purpose Projects held on 16th
December, 1994.

The undersigned is directed to forward a copy of Summary
Record of the above meeting for information and necessary action
please.

(Signature)

(I.D. Garg)
Director (F&NORTH)
for Chief Engineer (P&C)
& Member Secretary.

Encl.:
Copy of Summary Record.

DT. No. 128/1784-A/95

13/1/95

Copy to:

MEMBERS OF COMMITTEE:

1. Shri R.M. Jain, Dy. Secretary, Deptt. of Expenditure,
(Representing Secretary Expenditure), Ministry of Finance,
North Block, New Delhi.
2. Secretary, Department of Power, S.S. Bhawan.
3. Dr. S.C. Verma, Dy. Director, Ministry of Environment and
Forests (Representing Secretary-Ministry of Environment
and Forests), Paryavaran Bhawan, CGO Complex, New Delhi.
4. Shri M.J. Paliath, Director, Ministry of Welfare,
(Representing Secretary, Ministry of Welfare) Room No. 604,
A-Wing, Shastri Bhawan, New Delhi.
5. Secretary, Deptt. of Agriculture and Cooperation, Krishi
Bhawan, New Delhi.
5. Dr. B.R. Sharma, Project Coordinator, (Representing Director
General-ICAR) ICAR, Krishi Bhawan, New Delhi.
7. Shri S.K. Gaur, Chief Engineer (HPs), CEA (Representing
Chairman, CEA).
8. Shri N. Kittu, Chief Hydrologist, CGO (Representing
Chairman, CGO/B), MH-IV, CGO New Complex, Faridabad.
9. Capt. (Ex.) S.S. Singh, Joint Adviser (I&C&J), Yojana Bhawan,
Planning Commission, New Delhi (Representing Adviser,
I&C&J, Planning Commission).
10. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
11. Financial Adviser, Min. of Water Resources, S.S. Bhawan.
12. Chairman, Central Water Commission, Sewa Bhawan, K.M. Puram,
New Delhi.

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Copy also to:

- ✓ 1. S/Shri A.G.Gupta, Dy. Adviser (ICD), Planning Commission, Yojana Bhawan, New Delhi.
2. K.C. Garwal, Commissioner (F), Min. of Water Resources, S.S. Bhawan, New Delhi.
3. Commissioner (I), Min. of W.R., CGO Complex, New Delhi.
4. Commissioner (FP), Min. of W.R., S.S. Bhawan, New Delhi.
5. Commissioner (ER), Min. of W.R., CGO Complex, New Delhi.
6. B.L. Fahuja, Chief Engineer (RPO), CWC.
7. A.B. Pal, Director (PA-3), CWC.
8. A.K. Kaushal, Director, EMDte., CWC.
9. M. Ganeshan, Director (Economics), PPD, CWC.
10. Indra Raj, Director, PPD(3), CWC.
11. Purshotam Rao, Director (Agro), F.O., CWC.
12. L. Narasimha Reddy, Chief Engineer (Projects), Orisilam Project, 6th floor, Gagan Vihar, M.J. Road, Hyderabad-500031 (A.P.).
13. Vithal Ram, Engineer-in-Chief, Irrigation, Haryana, 30 Bays Building, Sec. 17, Chandigarh.
14. S.K. Panchhi, Chief Engineer, Irrigation, Haryana, Chandigarh 30 Bays Building, Sec. 17, Chandigarh.
15. H.K. Arora, Managing Director, Haryana State IFC, '66-67, Bank Square, Sector-17, Chandigarh.
16. C.P. Gupta, Superintending Engineer, H.B.M.I.T.C., Mallong.
17. S.R. Malhotra, S.E., Projects, Haryana Irrigation, Chandigarh.
18. J.P. Mathuria, Executive Engineer, FF Cell, Canal Colony, Ambala City, Haryana.
19. V.K. Mittal, Executive Engineer, Design and Planning, H.B.M.I.T.C., Chandigarh.
20. M.A.Q. Quadri, Executive Engineer, Irrigation Department, Govt. of Maharashtra, Aurangabad.

-X-X-X-X-X-X-

Summary Record of the 59th Meeting of the Advisory Committee on Irrigation, Flood Control and Multi-purpose Projects held on 16-12-1994 at 10-00 A.M. in the Committee Room of C/O, New Delhi.

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1. The List of Participants is enclosed at Annexure-I.
2. After welcoming the participants, Secretary (WR) and Chairman of the Committee desired that Bor Dahegaon project of Maharashtra being a Medium project may be taken up first for discussion.

AGENDA ITEM NO.1 : Consideration of Projects by the Advisory Committee

A. New Medium Project

Sl.No.10 of 1984-95 : Bor Dahegaon Medium Project (Maharashtra)

Estimated Cost : Rs.1626.61 lakhs

C.C.A. : 2500 ha.

A.I. : 2213 ha.

While initiating the discussion on Bor Dahegaon Medium Irrigation Project, Secretary (WR) observed that the cost per ha. of Annual Irrigation comes to Rs.73,337/= and requested the Joint Adviser, Planning Commission to comment on it. He mentioned that the expenditure incurred upto March, 1994 is above 60% of the Estimated Cost of the Project. Moreover, the project is included in the 8th Five Year Plan and a provision of Rs.714.01 lakhs has been made. As such, there are no further comments. The representative from the Ministry of Environment and Forests mentioned that since no forest land is involved in the construction of this project there are no comments to offer. Director, Ministry of Welfare stated that the project has already been cleared from R&R angle. The representative of the CSIB stated that there is no further comment to add as the project is lying in the Drought Prone Area.

The Committee accepted the project from techno-economic angle subject to the concurrence of the State Finance Department for the cost of Rs.1626.61 lakhs. (Action : State Govt.)

- 2 -

3. New Major Project

Sl.No.11 of 1994-95 : Haryana Water Resources Consolidation Project (Haryana)

Estimated Cost : Rs.1442.12 Crores

Addl.Area Irrigated 1.13 Lakh ha.

Chairman enquired about the status of environment and forest clearance of the project. A representative from MOEF pointed out that although the project has been cleared from environmental angle with some conditions, sufficient provisions in respect of environmental aspect have not been made in the estimate of the HIRCP. B-in-C, GOM clarified that necessary steps are being taken in this direction and the same will be communicated to MOEF. Member (MF&F), C/D observed that C/D had written time and again to GOM for the constitution of an inter-departmental and inter-disciplinary Environmental Monitoring Committee at State level and Environmental Management Committee at Project level to monitor the environmental aspect of the project. B-in-C, GOM informed that action is being taken for constituting such Committee and assured to expedite the matter. Chairman of the Advisory Committee advised the B-in-C, GOM that compliance to all the outstanding issues indicated in the E-D note would require to be complied with expeditiously to enable Planning Commission to accord speedy investment clearance for the project. This was taken note of by the Project Engineers.

Representative from MOEF pointed out that the Project Cost considered for the calculation of B.C. Ratio is Rs.357 Crores against the total project cost of Rs.1442.12 crores. The B.C.Ratio may come down considerably if the entire cost of the project is taken into account. B-in-C, GOM pointed out that for arriving at the B.C.Ratio, only direct irrigation benefits derived from the additional area of 1.13 lakh ha. have been considered. In addition, the flood control measures would result in reducing the damages to agriculture, housing, irrigation and infrastructure etc. by carrying out proper maintenance of drainage system and rehabilitation works

would result in improvement in yield. Improvements in water supply to municipalities and rural areas for drinking water would also be achieved with concurrent help in sanitation benefits. Modernisation of canals and water courses would limit the rise of water table and reduce waterlogging and salinity.

Chairman of the Advisory Committee opined that working out a B.C. Ratio for such type of project is rather difficult as it involves replacement of outlived structures such as Jethnikund Barrage, which if not replaced may result in sudden total cut-off of water to the MC and BYC system leading to collapse of the system resulting in losses worth crores of Rupees annually. Similar situation may happen if appropriate action is not taken for rehabilitation of the outlived irrigation, drainage and flood control structures. Member (W&P) stated that while it is necessary to have investment in Jethnikund Barrage, rehabilitation of structures, O&M, R&D etc. to sustain the existing irrigation benefits, it is not possible to bring these and particularly the deferred O&M type works, within the framework of the B.C. ratio calculations.

Representative from MOP observed that the yearly phasing of expenditure for the project seem to be not on realistic basis as there are number of other ongoing projects in the State for which adequate provisions are required. In this connection he referred to a similar general point raised by him in the last M.C. Meeting. Member-Secretary of the M.C. pointed out that the point had already been replied to, separately, vide M.C. No. 16/27/94-P.L(II)/697-600 dated 18-7-94. B-in-C, GOI informed that this is a World Bank aided project and as such they would be getting assistance of about Rs.975 crore from World Bank as reimbursement. O&M is the major component of the project estimated to cost Rs.570 crore. Of this amount, about 16.6% will be reimbursed by the Bank and the remaining amount have to be arranged by the State from its own resources. B-in-C, GOI informed that in this

regard GSI has already initiated action by way of increasing water rates etc. Chairman of the Advisory Committee stated that this forum will examine only the techno-economic aspect of the projects, availability of the necessary funds may be taken care of by the Planning Commission before giving investment clearance considering the overall availability of financial resources of the State. After discussion, it was decided to highlight the current status of various ongoing projects in the State and their financial requirements.

Member (IP&F) enquired about the mode of funding of G&M provisions i.e. whether from plan expenditure or from non-plan expenditure. Thereupon, Secy-in-C, GSI informed that the entire cost of the project funding has to come from plan expenditure.

The Maryana Water Resources Consolidation project was thereafter accepted by the Committee subject to the compliance of the outstanding issues enumerated below :

- (i) Utilisation of Yamuna water for different command will be strictly governed by the MOU regarding allocation of surplus flow of River Yamuna (upto Okhla) signed by the Chief Ministers of the 5 basin States on 12-5-94. Operation of the Hathnikund Barrage and the Fauna System shall be done in accordance with the advice of the Upper Yamuna Board whenever it is set up.
- (ii) Provision for drainage of Rs.100 Crore made is based on the estimate framed by WAPCOS for drainage updated to 1983 prices for the Maryana part. While drainage seems to be essential for ensuring the sustainability of the project, the provision needs to be firmed up after carrying out necessary studies/research in the drainage field and will be operative only after firming up a drainage proposal by GSI and its clearance by CWC.
- (iii) The capacities of the Head Regulators and Sharing of Cost of the Hathnikund Barrage and head regulators amongst the beneficiary States would require to be firmed up in accordance with the MOU signed amongst the Chief Ministers of the co-basin states of U.P., Himachal Pradesh, Maryana, Rajasthan and National Capital Territory of Delhi regarding allocation of Surface flows of River Yamuna (upto Okhla) on 12-5-94 and the Agreement signed by all the beneficiary States except Rajasthan regarding construction of Hathnikund Barrage during November, 1994.

The agreement reached amongst a majority of the States as approved, required Central Water Commission to take the decision about both the discharging capacity of the Head Regulator as also about sharing of Costs of Nathnikund amongst States. Madhya Pradesh agrees to meet the entire Cost of the Barrage initially subject to later adjustment.

- (iv) The designs of Nathnikund Barrage and Head Regulators would be done and approved by the Central Water Commission.
- (v) State Water Plan which is reported by GOI to be completed by October, 1965 would require clearance by CWC particularly on inter-state aspects.
- (vi) Expenditure on side lining of canals in the sweet water zone beyond the provision of Rs.2 crores for experiments will not be incurred without the review of the work by CWC and their approval.
- (vii) Ministry of Environment & Forests had stipulated nine safeguards as reproduced in Annex-VII of T.C. Note which need to be followed.

(Action : State Government)

GENERAL

During the discussions on Bor Damagran Project of Maharashtra the Chairman of the Committee emphasized the need for the multi-disciplinary approach and alternative study relating to the Watershed Management highlighting the justification for the Medium projects put up for consideration of the Advisory Committee. In response to that, Member (W&A) expressed his view that if the aspect of Watershed Management is taken into consideration, the Proforma Reports of Medium Projects which are submitted by the State Government to Central Water Commission will require modifications. After detailed deliberations on this point, Chairman of the Committee decided that in future Watershed Management aspect may be incorporated in the Proforma Reports of the Medium Projects in the form of an additional Chapter. The purpose of the study and the presentation would be two fold, namely (i) to bring out if benefits similar to those projected in the Medium Irrigation Project can be obtained through an alternative Watershed Management

Plan, in a more efficient way, and (b) in case some components of the Watershed Management Plan and the Medium Irrigation Project are complementary, then to include these components in the project.

Since, in most States Watershed Management is being dealt by the Department other than Water Resources/Irrigation, specific concurrence of the concerned Department in regard to this study would be required.

However, the Chairman of the Committee mentioned that so far as Bor Dabholkar Project is concerned this point will not be applicable.

(Action : C.W.D.)

II. Additional Items

- (i) Status of environment and forest clearance and clearance of R&R Plans of Right Branch Canal Project (Anchar Pradesh) cleared by the Advisory Committee in its 58th Meeting.

Brisailam Right Branch Canal Project (revised Major) having a CCA of 76,800 ha. at an estimated cost of Rs.1135.58 Crores was discussed in 58th Meeting of the Advisory Committee held on 24th June, 1994 and was found acceptable by the Committee subject to State Government obtaining environmental and forest clearance from the MOEF and clearance of R&R Plans from the Ministry of Welfare within 6 months. Thereafter, Planning Commission would take action for accordng investment clearance. The stipulated period of 6 months for getting clearances from MOEF and Ministry of Welfare is due to expire on 24-12-1994 and formal clearances from both the Ministries are still awaited. The Chief Engineer, B&C vide his letter dt. 7-12-94 had requested for extension by another 6 months for arranging the clearance.

The Chief Engineer, Brisailam Right Branch Canal explained to the Advisory Committee that project authorities are compiling the data in reply to some queries from Ministry of Environment and Forests, Government of India.

As such, clearance from IC&A would be forthcoming, but would be somewhat delayed beyond the six month period.

The Committee decided to give further six months extension to Project Engineers to obtain the necessary clearances from Ministry of Environment and Forests and Ministry of Welfare.

(ii) Idamalayar Irrigation Project (Kerala)

During the 58th meeting of the Advisory Committee held on 24-6-94, the Idamalayar Irrigation Project (Kerala) was considered techno-economically viable, but according to a decision of the Advisory Committee, the Planning Commission was to take action for investment clearance only after the following actions were taken by the State Government:

- (1) Obtaining an assurance from the Govt. of Tamil Nadu for continued supply of 12.5 TMC for the Chalatury System as per the Inter-state agreement of 1970.
- (2) Submission of drainage master plan and progress report on complementary afforestation of MOEF.
- (3) Commencement of pre and post monsoon ground water monitoring and sending of this data regularly to IC&A MOEF.
- (4) Obtaining concurrence of State Finance Department to the project cost.

The Advisory Committee further observed that action on all these points need to be completed within a period of 6 months, or within an extended period as the Committee may decide. In the absence of completion of these actions, the Committee's clearance may lapse.

The Kerala Government submitted on 13-1-1994 a progress report on actions taken on the 4 conditions of the Advisory Committee, which was placed for consideration of the Advisory Committee. After consideration of the progress report of Kerala Government, the Advisory Committee

decided that the action taken by Government of Kerala on Point No.1 did not amount to obtaining assurance from the Government of Tamil Nadu for continued supplies of 12.3 TMC for the Chalkudy System as per the inter-state agreement of 1970. The Advisory Committee therefore decided that the Government of Kerala should obtain a clear assurance from the Government of Tamil Nadu in this regard. The actions on items (2) and (3) also require to be completed. The Committee decided to give an extension of 6 months to the Government of Kerala for completion of these actions.

(i)

List of ParticipantsMembers of the Committee

S/Shri

- | | | |
|-----|--|---------------------|
| 1. | M.C.Reddy, Secretary,
Ministry of Water Resources | In the Chair |
| 2. | A.B.Joshi, Chairman, JWC. | Member |
| 3. | R.A.Jain, Deputy Secretary,
Department of Expenditure
(Representing Secretary, Expenditure) | Member |
| 4. | Dr.S.C.Verma, Deputy Director,
Ministry of Environment & Forests
(Representing Secretary,
Ministry of S&F). | Member |
| 5. | M.D.Paliath, Director,
Ministry of Welfare,
(Representing Secretary, Welfare) | Member |
| 6. | Dr.B.R.Sharma,
Project Coordinator(ICAR),
(Representing Director General, ICAR) | Member |
| 7. | B.K.Gaur,
Chief Engineer (NEA),
Central Electricity Authority,
(Representing Chairman, NEA CEA) | Member |
| 8. | N.Kittu,
Chief Hydrologist,
C.G.W.B., Faridkot.
(Representing Chairman, CGWB). | Member |
| 9. | Capt. (Ex.) S.S.Singh,
Joint Adviser (I&CAD),
Planning Commission.
(Representing Adviser, I&CAD,
Planning Commission). | Member |
| 10. | H.Bathyaiah,
Chief Engineer, P&O,
C.W.C. | Member
Secretary |

contd.....

Special Invitees:

S/Shri

1. A.D.Mohile, Member (WP&P), CWC.
2. K.C.Agarwal, Commissioner(P), Min. of W.R.
3. S.S.Sohani, Commissioner (I), Min. of W.R.
4. A.S.Gupta, Dy.Adviser (I&CAD), Planning Commission.

C.W.C. Officers

S/Shri

1. S.L.Pahuja, CE(P&D), CWC.
2. I.D.Garg, Director (PA-N), CWC.
3. A.B.Pal, Director (PA-C), CWC.
4. K.K.Kaushal, Director, EM Dte., CWC.
5. M.Ganeshan, Director (Economics), P&D, CWC.
6. Indrakaj, Director (P&D-S), CWC.
7. Fursatam Rao, Director (Agro), P&D, CWC.
8. S.T.Rasmin, Dy.Director, P(N), CWC.
9. W.H.Tembhurne, Dy.Director (PA-C), CWC.
10. K.K.Jain, Dy.Director (P-S), CWC.
11. K.S.Jacob, Dy.Director, P&D-N, CWC.

State Officers

- Andhra Pradesh

Shri A.Narasimha Reddy - Chief Engineer (Projects), Orissilam Project, 6th floor, Gagan Vihar, P.O.Box, Hyderabad-50 001 (A.P.).

- Haryana

S/ shri

1. Vithal Rao, Engineer-in-Chief, Irrigation, Haryana: 30 Bays Building, Sec.17, Chandigarh,
2. S.K.Punchhi, Chief Engineer, Irrigation, Haryana, Chandigarh, 30 Bays Building, Sec.17.
3. H.K.Arona, Managing Director, Haryana State MITC, 66-67, Bank Square, Sector-17, Chandigarh.
4. A.F.Gupta, Superintending Engineer, HSMITC, Kallang.
5. S.R.Kalhotra, S.E., Projects, Haryana Irrigation, Chandigarh.

contd...

(iii)

6. D.P.Kathuria, Executive Engineer, P.P.Cell, Canal Colony, Ambala City, Haryana.
7. J.K.Mittal, Executive Engineer, Design & Planning, H.S.M.I.T.C., Chandigarh.

- Maharashtra

1. Shri M.A.Q.Quadri, Executive Engineer, Irrigation Deptt., Govt. of Maharashtra, Aurangabad.

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No.16/27/95-FA(N)/607
Government of India
Central Water Commission
Project Appraisal Organisation

Room No.407, Sewa Bhawan,
R.K. Puram, New Delhi,

Dated the 18th May, 1995.

Subject: 60th (Special) Meeting of the Advisory
Committee on Irrigation, Flood Control
and Multi-purpose Projects held on 18th
May, 1995.

The undersigned is directed to forward a
copy of Summary Record of the above meeting for
information and necessary action please.

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Encl: As above.

(Signature)
(S.C. CHITKARA) 18/5/95
Director (PA-North) &
Chief Engineer (PAO) &
Member-Secretary.

Copy to:

Member of Committee:

1. Shri A.K. Pradhan, Joint Secretary, Deptt. of Expenditure
(Representing Secretary (Expn.), Ministry of Finance,
North Block, New Delhi.
2. Secretary, Department of Power, S.S. Bhawan, New Delhi.
3. Deputy Director, Ministry of Environment & Forests,
Paryavaran Bhawan, CGO Complex, New Delhi.
4. Director, Ministry of Welfare (Tribal Development Wing),
Room No.2, B-Wing, 4th floor, Loknayak Bhawan, New Delhi.
5. Secretary, Deptt. of Agriculture & Cooperation, Krishi
Bhawan, New Delhi.
6. Shri T.N. Chaudhary, ADG (EWM), ICAR, Krishi Bhawan,
New Delhi.
7. Shri B.K. Gaur, Chief Engineer (HFA), CEA (Representing
Chairman, CEA), Sewa Bhawan, R.K. Puram, New Delhi.
8. Shri N. Kittu, Chief Hydrologist, CGWB (Representing
Chairman, CGWB), NH-IV CGO New Complex, Faridabad.
- ✓ 9. Shri ~~XX~~ B.N. Navalawala, Advisory (I&CAD), Planning
Commission, New Delhi.
10. Advisory (Energy), Planning Commission, New Delhi.
11. Shri Kanwal Nath, JS & FA, Ministry of Water Resources
12. Chairman, Central Water Commission, R.K. Puram, New Delhi

...2/-

M. put up
urgently
19/5/95

54/5/95 On file 19/5/95
Sd/-

Copy also to:

S/shri

1. A.D. Mohile, Member (WP&P), CWC.
2. K.C. Aggarwal, Commissioner (Projects), Min. of Water Resources, New Delhi.
3. A.S. Gupta, Deputy Advisor, (I&CAD), Planning Commission.
4. Commissioner (I), Ministry of Water Resources, CGO Complex, New Delhi.
5. Commissioner (PP), Ministry of Water Resources, S.S. Bhawan.
6. Commissioner (ER), Min. of Water Resources, CGO Complex, New Delhi.
7. S.L. Pahuja, CE (PPD), CWC.
8. I.D. Garg, Director (PA-S), CWC.
9. M.K. Sharma, Director (Cost Engg. (I), CWC.
10. R.K. Bhargava, Director, ISM Dte., CWC.
11. M. Ganeshan, Director (Economics), CWC.
PPO
12. Indra Raj, Director (PPO-S), CWC.
13. C. Balasubramaniam, Special Secretary, PWD, Govt. of Tamilnadu.
14. K.O. Balaniswamy, Engineer-in-Chief, WRD, Govt. of Tamilnadu, Madras, Tamilnadu.
15. V. Arunugaswamy, Chief Engineer, WRO, GOTN, Director WRCP, Madras, Tamilnadu.
16. S.R. Raghavan, Dy. Chief Engineer, ISW, WRO, GOTN, Madras, Tamilnadu.
17. P.K. Agrawal, Secretary (Projects), I&CAD, Govt. of Andhra Pradesh, Hyderabad, A.P.
18. K.N. Raja Rao, Commissioner for Project Formulation & Ex-Officio Secretary to Govt., I&CAD, Hyderabad-A.P.
19. B. Rajiah, Chief Engineer, Investigation, I&CAD, Govt. of Andhra Pradesh, Hyderabad, A.P.
20. M. Dharma Rao, Chief Engineer, Sriram Sagar Project, A.P. Hyderabad (A.P.)

51

SUMMARY RECORD OF THE 60th.(SPECIAL) MEETING OF THE ADVISORY COMMITTEE ON IRRIGATION, FLOOD CONTROL AND MULTI-PURPOSE PROJECTS HELD ON 18.05.1995 AT 10:00 A.M. IN THE COMMITTEE ROOM OF CWC, NEW DELHI.

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1. The list of participants is enclosed at Annex-I.
2. After Secretary(WR) and Chairman of the Technical Advisory Committee welcomed the participants of the meeting, Agenda Item No. I was taken up for discussions.

AGENDA ITEM NO. 1 : Consideration of projects by the Advisory Committee

TAMIL NADU WATER RESOURCES CONSOLIDATION PROJECT.
Sl.No. 2 of 1995-96. A. New Major Project.

Estimated Cost : Rs. 878.00 crore.

C.C.A. :

- | | |
|--|--------------------------|
| [i] Under Rehabilitation & Modernisation | : 0.55 lakh hectares. |
| [ii] Scheme Completion | : 0.132 lakh hectares. ✓ |

*Excluding
C.C.A. & ...
5.20 lakh
ha*

a. Economic Analysis

Advisor (I&CAD), Planning Commission expressed that the economic analysis was not on firm ground. He expressed that a detailed diagnostic study, aided by water budgets of the existing system would be necessary both for establishing the area that can be brought into irrigation as also the benefits resulting from the process. In general the Advisor(I&CAD) felt that the benefits envisaged in the economic analysis appear on the higher side. Member (WP&P) agreed that the economic analysis of the project presents some difficulties. He stated that although the estimate of the additional area and production have been extrapolated from the limited experience gained during the execution of NWMP project (in particular the Sathanur Project), he expressed that this experience is well documented as a scientific study. In this connection it was also brought out that the stipulation 15.0(i) of the agenda, regarding Basin Plans/State Water Plans will allow further monitoring of the project during its implementation.

b. Project Financing

The representatives from the Ministry of Finance observed that adequate funding in the State Plan has not been provided for the implementation of the project. Advisor(I&CAD), Planning Commission also expressed that the provision made since Fifth Plan onwards in the State Plan allocations for the irrigation sector has been on the decline. The provision in the State Annual Plan 1995-96 for the irrigation sector is Rs.137.00 crore.

which is not adequate for the smooth implementation of WRCP. GOTN need to provide about 8% of the annual plan outlay for irrigation sector. The representatives from the Ministry of Finance also expressed concern about the inadequate provisions made in the Annual Plan and felt that even funds from World Bank may not help in the smooth execution of the project, thereby may cause unnecessary criticism from the Bank. TAC advised the State Government to make firm commitment for the allocation of sufficient funds for the project in conformity with the commitments made to the World Bank through the plan of action so that investment clearance from the Planning Commission can be accorded.

c. Inter-State Issues.

Inter-State issues as reflected in stipulation 15.0(viii) and (ix) of the agenda note were discussed at length.

The TAC agreed that the potential of any disruption in the smooth implementation of the project in regard to the Periyar Vaigai System and the Parambikulam Aliyar Project area is not so large as to cause a serious concern.

In regard to the Cauvery Basin (15.0(ix)), the TAC was of the view that the works in the Cauvery Basin cannot be agreed to at the present stage. It was decided to indicate this provision separately. These works can be considered only after the award of CWDT is available or if agreed to by the other Basin states. The TAC secretariat in CWC worked out the project cost and benefits separating the works in the Cauvery Basin. This is enclosed.

d. Decision of TAC.

1) The TAC accepted the TN-WRCP for a cost of Rs. 807.49 crores as shown in the statement annexed, after separating the costs of works in Cauvery Basin.

ii) The TAC agreed that its approval is subject to actions required during the implementation as reflected in para 15.0(i) to (vi) of the agenda notes.

iii) The TAC decided that the Cauvery Basin component of TN-WRCP can be recommended after GOTN either obtains specific concurrence of the co-basin states or obtains a ruling from the Cauvery Water Dispute Tribunal, indicating that there is no objection to taking up this component.

TAC accepted the Sriram Sagar Revised Stage I Project, Andhra Pradesh at a cost of Rs. 1519.15 crore (1993 SOR) subject to actions on outstanding issues as below

(i) Clearance from Ministry of Environment and Forest and Ministry of Welfare, Government of India is to be arranged by GOAP.

(ii) The observations made by CGWB regarding action for Ground Water Development, programme for development of Ground water, monitoring of water levels, sighting of well sites etc. need to be carried out and submitted to CGWB by GOAP.

(iii) State Govt. need to ensure that cropping pattern as envisaged in the revised project proposal are achieved and to take effective measures so that wet ayacut is converted to dry

Details of Project
accept

A. COST	
S.No.	Name of the Compo
1.	MODERNISATION & RE
a.	1) Stage - I
	ii) Stage - II
b.	Farmer's Turnover
c.	Equipment for opel
	Intenace
d.	Irrigation Manage
	Training Institut
	Sub
2.	Schemes Completio
3.	Water Planning, i
	Management, Resea
	Acquisition
4.	Institutional St
B. BENEFIT COST RATIO	

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SRIRAM SAGAR STAGE - I (REVISED) SCHEME
Sl.No.3 of 1995-96. B. Revised Major Project.

Estimated Cost : Rs. 1519.15 crore.

C.C.A. : 39.73 lakh hectares.

A.I. : 5.959 lakh hectares.

a. Environment Clearance

Secretary Irrigation, GOAP informed that the environmental Committee Members had visited the project site and that they have been provided with all the information required along with the action plan. He further informed that the meeting for clearing the project from MOEF is scheduled to be held on 23rd May, 1995 for considering Sriram Sagar Project and Srisaillam Right Branch Canal for approval. Rehabilitation works of PAP have been completed for both the Pochampad Dam and Lower Mannair Dam.

b.. Water Planning

Member (WP&P), CWC pointed out that as brought out in the agenda with the clearance of Stage I of Sriram Sagar Project for utilisation of 145.35 TMC, there will be little water left for utilisation in non-monsoon for Stage II of the project and any further development ex Sriram Sagar, such as the lift canal or the Stage II of the project can be planned for mainly for wet season irrigation only. He further stressed that GOAP should not make any claim for either a further review of water availability without large additional information or for a reduction of the approved utilisation in Stage I as justification for use in Stage II. He also advised the GOAP for preparation for Master Plan for Pochampad Reservoir Stage I, Stage II and Flood Flow Canal. Andhra Pradesh Officers agreed with this view.

cropping by suitable irrigation management like Rotational water supply system, Formations of water users' Associations and enhancement of water rates to discourage excessive use of water. The State Govt. needs to prepare an action plan and a time table in regard to these issues, and set up an effective mechanism to monitor the implementation of performance vis-a-vis the action plan.

List of ParticipantsMembers of the Committee

S/Shri

- | | | |
|-----|---|---------------------|
| 1. | M.S. Heddy, Secretary,
Ministry of Water Resources | In the Chair |
| 2. | A.B. Joshi, Chairman, CWC. | Member |
| 3. | A.K. Pradhan, Joint Secretary,
Department of Expenditure
(Representing Secretary, Expenditure) | Member |
| 4. | T.H. Chaudhary, ADG(IWM)
ICAR, Krishi Bhawan
(Representing Director General, ICAR) | Member |
| 5. | B.K. Gaur,
Chief Engineer (IPA),
Central Electricity Authority,
(Representing Chairman CEA). | Member |
| 6. | N. Kittu,
Chief Hydrologist,
C.G.M.B., Faridabad.
(Representing Chairman, CGWB). | Member |
| 7. | B.V. Nayalawala,
Adviser(I&CAD)
Planning Commission. | Member |
| 8. | T. Yoganand, Adm. Comm.
Crops Division, Min. of Agri. & Co-Op.
Krishi Bhawan, New Delhi. | Member |
| 9. | Kanwal Nath, JS&FA,
Ministry of Water Resources | Member |
| 10. | S.C. Chitkara,
Chief Engineer, PAO,
C.W.C. | Member
Secretary |

Contd-----

Special Invitees:

S/Shri

1. A.D. Nohila, Member (UP&P), CWC.
2. K.C. Agrawal, Commissioner(P), Min. of W.R.
3. A.S. Gupta, Dy. Adviser (I&CAD), Planning Commission.

C.W.C. Officers

S/Shri

1. S.L. Pahuja, CE(PFO), CWC.
2. I.D. Garg, Director (PA-S), CWC.
3. M.K. Sharma, Director (Cost Engineering(I)), CWC.
4. R.K. Bho, Director, ISH Dts., CWC.
5. M. Ganeshan, Director (Economics), PFO, CWC.
6. Indra Raj, Director (PFO-S), CWC.
7. M.K. Kharya, Dy. Director, PA(N), CWC.
8. S.T. Hasnain, Dy. Director, PA(N), CWC.
9. V.N. Kathapalia, Dy. Director, EM, CWC.

State Officers- Tamil Nadu

1. C. Balasubramaniam, Special Secretary, PWD, Govt. of Tamil Nadu
2. K.O. Palaniswamy, Engineer-in-Chief, WRD, GOTN, Madras.
3. V. Arunugaswamy, Chief Engineer, WRO, GOTN, Director WRCP Madras.
4. S.R. Raghavan, Dy. Chief Engineer, ISW, WRO, GOTN, Madras.

- Andhra Pradesh

1. P.K. Agrawal, Secretary (Projects), I&CAD, Govt. of Andhra Pradesh, Hyderabad.
2. K.N. Raja Rao, Commissioner for Project Formulation & Ex-officio Secretary to govt. I&CAD, Hyderabad.
3. B. Rajaiah, Chief Engineer, Investigation, I&CAD, Govt. of Andhra Pradesh, Hyderabad.
4. M. Dharma Rao, Chief Engineer, Sri Ram Sagar Project, A.P. Hyderabad.

Contd.....

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(iii)

5. M. Pravgajar Reddy, Dy. Chief Engineer, SriRam Sagar Project,
M. J Road, Andhra Pradesh, Hyderabad.
6. Ch. Varadacharyaly, Liaison Officer, Irr. Deptt. No.1
Ashoka Road, A.P Bhawan, New Delhi.
7. G. Shankariah, Ass-istant Engineer, SRSP Hyderabad.

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