

1Dt. 26.695

Subject : 61st Meeting of the Advisory Committee on Irrigation, Flood control and Multipurpose Projects held on 22nd May, 1995.

Enc 1. : att.

ति. वीर वि. से. वि. : १३५८९७
 1 & C.A.D. Division
 कायसी तं
 No. 29/6/95
 दि. 29/6/95

(SC Chittkarn) ^{26/4/88}
Chief Engineer (PAO) &
Member Secretary

Copy to:
Members of Committee:
S/Shri

1. RK Jain, Deputy Secretary, Deptt. of Expenditure,
(Representing Secretary(Expn.), Ministry of Finance).
2. Secretary, Department of Power, SS Bhawan, New Delhi.
3. Secretary, Ministry of Environment & Forests,
Paryavaran Bhawan, CGO Complex, New Delhi.
4. Anila Paul, Director (Tribal Development Wing),
Room No.2, B Wing, 4th floor, Loknayak Bhawan, New
Delhi. (Representing Secretary, Ministry of Welfare).
5. T Yoganand, Additional Commissioner, Crops Dn.,
Ministry of Agriculture & Cooperation, Krishi Bhawan,
New Delhi. (Representing Secretary, Ministry of
Agriculture & Cooperation).
6. Director General, ICAR, Krishi Bhawan, New Delhi.
7. BK Gaur, Chief Engineer (HPA), CEA, Sewa Bhawan,
RK Puram, New Delhi. (Representing Chairman, CEA).
8. PJS Bhamrah, Director, Central Ground Water Board,
NH-IV, New CGO Complex, Faridabad.
(Representing Chairman, Central Ground Water Board).
- ✓ 9. Hemant Kumar, Deputy Advisor(I&CAD), Planning
Commission, Yojana Bhawan, New Delhi.
(Representing Advisor(I&CAD), Planning Commission).
10. Advisor (Energy), Planning Commission, Yojana Bhawan,
New Delhi.

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~~JA~~

Advisee (I & CAD)

may like to see.

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S(I & CAD)

11. Kanwal Nath, JS&PA, Ministry of Water Resources, SS Bhawan, New Delhi.
12. AB Joshi, Chairman, CWC, Sewa Bhawan, RK Puram, New Delhi.

Copy also to:

1. AD Mohile, Member (WP&P), CWC, Sewa Bhawan, RK Puram, New Delhi.
2. Commissioner (Projects), MOWR, SS Bhawan, New Delhi.
3. Commissioner (I), MOWR, CGO Complex, New Delhi.
4. Commissioner (PP), MOWR, SS Bhawan, New Delhi.
5. Commissioner (ER), MOWR, CGO Complex, New Delhi.
6. ID Garg, Director(PA-S), CWC.
7. AB Pal, Director(PA-C), CWC.
8. MK Sharma, Director(CE-I), CWC.
9. Inder Raj, Director(PPO-S), CWC.
10. P Neog, Chief Engineer, Irrigation Department, Assam, Chandmori, Guwahati - 781 003.
11. JM Bora, Deputy Chief Administrative Officer, Irrigation Department, Assam, Chandmori, Guwahati - 781 003.

Summary Record of the 61st Meeting of the Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 22-5-1995 at 1000 Hrs. in the Committee Room of CWC, New Delhi.

1. The list of participants is enclosed at Annexure-I.
2. After welcoming the participants, Secretary (WR) and Chairman of the Committee desired that 'Integrated Irrigation Scheme for Kallong River Basin (Assam)' may be taken up first for discussion.

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

Major Project (Revised)

Sl. No. 1 of 1994-95 : Integrated Irrigation Scheme for Kallong River Basin (Assam).

Estimated Cost : Rs. 8054.93 lakhs

CCA : 21,450 Ha.

Annual Irrigation : 34,400 Ha.

Initiating the discussion on Integrated Irrigation Scheme on Kallong river Basin, Secretary(WR) outlined briefly the project features. He also mentioned the various reasons indicated under para 12.0 of TAC Note for delay in construction although the project was started nearly 20 years back. It was clarified that Ministry of Environment and Forests, Government of India had accorded clearance to the Project in April, 1995 which was a subsequent development to the preparation of the TAC Note and hence not reflected in the Note. The clearance was however, subject to implementation of certain safeguards to be implemented during the course of the Project.

Director, CGWB expressed his views that there will be a rise of water table to the extent of 0.75 m every year and 44 nos. of Shallow Tubewells considered in the present estimate appear to be inadequate. He suggested that at least 750 nos. of Shallow Tubewells need to be provided. In response to that Deputy Chief Administrative Officer, Assam Irrigation Department mentioned that the total crop water requirement of 324.20 Mm³ at Canal head has been worked out and the total ground water withdrawal necessary to keep the water table within the permissible limits has been tentatively assessed by CWC as 44 Mm³. By the present provision of 44 nos. of Shallow Tubewells in the project estimate about 10 Mm³ of ground water can be withdrawn. For withdrawal of the balance quantity of water, the project authority will be submitting suitable conjunctive use plan in consultation with CGWB. He further mentioned that in addition to the present provision of

Rs. 89.95 lakhs for anti waterlogging measures in this revised Scheme, there is further provision of Rs. 150.00 lakhs for ground water development/conjunctive use in the CAD Scheme of the Integrated Irrigation Scheme for Kallong and Bonai River Basins amounting to Rs. 4300.30 lakhs, which has been finalised by the Government of Assam. He further mentioned that any additional requirement, if necessary, will be provided in the CAD Scheme itself by revising the provision in the estimate as this Scheme is in its initial stage. He also mentioned that the Project Authority will monitor the ground water table during post construction period and take adequate measures to keep the water table within permissible limits. Member (WP&P) suggested that the ground water thus withdrawn should be profitably used for additional irrigation by extending the command area instead of by increasing the intensity of irrigation.

For the construction of canal 287 ha. of land has been acquired according to the Project Chief Engineer. In this connection, Director (Tribal Development), Ministry of Welfare requested the Project Chief Engineer to furnish to the Ministry of Welfare the details showing the number of SC & ST families whose lands have been acquired, the area of the acquired land and percentage of acquired land to the land holding of the families concerned etc. Secretary (WR) advised Chief Engineer, Irrigation Department, Government of Assam, that these details may be furnished to the Ministry of Welfare within three months time.

The Committee considered the Project acceptable subject to the submission of the required information to Ministry of Welfare and concurrence of State Finance Department within three months before Planning Commission can take action for according investment clearance.

(Action : Government of Assam)

ADDITIONAL ITEM : Prior clearance of Projects from Ministry of Environment and Forest and Ministry of Welfare before acceptance by the Advisory Committee.

Initiating the discussions on this item Member (WP&P) stated that from the point of view of the State Governments, a 'Single window' clearance of their projects is desirable. However, this has not been possible since Ministry of Environment and Forest has intimated that certain procedure has to be followed to give the statutory clearance to the projects from environmental angle and their representative in the Advisory Committee cannot be authorised to give environmental clearance. He further stated that in most of the cases the clearance from Ministry of Environment and Forest and Ministry of Welfare are not available by the time the examination of techno-economic feasibility of a project is

completed by CWC and other appraising agencies. As a result, the Advisory Committee is often required to accept a project subject to the State Government obtaining the clearances from Ministry of Environment and Forest and Ministry of Welfare subsequently before the project is recommended for investment clearance from the Planning Commission. In some cases the projects are also subjected to the compliance of some other actions by the State Government, such as obtaining the concurrence of the State Finance Department, provision of sufficient funds for early completion of the project etc. However, the record shows that for more than 70 major and medium projects conditionally accepted by the TAC over the last 15 years, the various clearances have still not become available and investment clearance has not been accorded by the Planning Commission. In this context, he requested the Members to consider the proposal of all clearances relating to Environment, Forest, R&R Plans and other aspects being available before acceptance of a project by the Advisory Committee and recommendation to Planning Commission for investment clearance.

The representative of Ministry of Welfare suggested that the Committee may consider having two committees instead of the present one. One of the Committees may only examine the techno-economic feasibility of the project and the other higher level committee, which may be called 'Project Clearance Committee' may examine the issue of acceptability of the project from all aspects including Environment, Forest, R&R etc.

The representative of Planning Commission suggested the formation of a sub-committee of the Advisory Committee, which may examine the techno-economic aspects, after which the full committee may consider acceptability of the project from all considerations.

After the above discussions, the Chairman felt that the issue required more elaborate discussions. He desired that a detailed Agenda Note may be prepared on this topic for discussions by TAC in a further meeting. The detailed Agenda Note may include all the possible alternatives for consideration of TAC.

(Action : PAO, CWC)

LIST OF PARTICIPANTS

Members of Committee:

- S/Shri
1. MS Reddy, Secretary, Water Resources. In the Chair
 2. AB Joshi, Chairman, CWC. Member
 3. RK Jain, Deputy Secretary, Member
Deptt. of Expenditure, Ministry of Finance.
(Representing Secretary, Expenditure)
 4. Amita Paul, Director(Tribal Dev. Wing), Member
Ministry of Welfare.
(Representing Secretary, Welfare).
 5. BK Gaur, Chief Engineer (HPA), CEA. Member
(Representing Chairman, CEA).
 6. T Yoganand, Additional Comm., Crops Dn., Member
Ministry of Agriculture & Cooperation.
(Representing Secretary, Agri. & Coop.).
 7. PJS Bhamrah, Director, CGWB. Member
(Representing Chairman, CGWB).
 8. Kanwal Nath, JS&FA, MOWR. Member
 9. Hemant Kumar, Deputy Advisor(I&CAD), Member
Planning Commission.
(Representing Advisor(I&CAD), Planning Commission).
 10. SC Chitkara, Chief Engineer (PAO), Member-
Central Water Commission. Secretary

Special Invitees:

1. AD Mohile, Member (WP&P), CWC.

CWC Officers:

1. ID Garg, Director(PA-S), CWC.
2. AB Pal, Director(PA-C), CWC.
3. MK Sharma, Director(CE-I), CWC.
4. Inder Raj, Director(PPO-S), CWC.
5. RK Jain, Deputy Director(PA-S), CWC.
6. AK Kharya, Deputy Director(PA-N), CWC.
7. ST Hasnain, Deputy Director(PA-N), CWC.
8. Lal Ji, Deputy Director(PA-C), CWC.

State Officers:

- ASSAM

1. P Neog, Chief Engineer, Irrigation Department, Assam.
2. JM Bora, Deputy Chief Administrative Officer,
Irrigation Department, Assam.
3. SK Mahanta, Assistant Engineer, Irrigation Department,
Assam.

Dt. 11/09/95.

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK. PURAM, NEW DELHI-66.

Subject: 62nd meeting of Advisory Committee on Irrigation Flood Control and Multipurpose Projects held on 25/8/95.

Find enclosed a copy of the Summary Record of discussions of the above meeting for information and necessary action please.

Encl.: aa.

1
15/9/95
(SC CHITKARA)
CE, PAO &
Member Secretary -
Advisory Committee.

Copy to:

MEMBERS OF COMMITTEE

S/Shri

1. Dr. M.S. Reddy, Secretary, Ministry of Water Resources, S.S. Bhawan, New Delhi.
2. Chairman, CWC, Sewa Bhawan, R.K.Puram, New Delhi.
3. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
4. Secretary, Department of Power, S.S.Bhawan, New Delhi.
5. Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Secretary, Ministry of Welfare, Room No. 604, A-Wing, Shastri Bhawan, New Delhi.
8. Director General, ICAR, Krishi Bhawan, New Delhi.
9. Chairman, CEA, Sewa Bhawan, R.K.Puram, New Delhi.
10. Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Kanwal Nath, Financial Adviser, Ministry of Water Resources, S.S.Bhawan, New Delhi.
13. Chairman, Central Ground Water Board, NH-IV, CGO New Complex, Faridabad-121001.

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Copy also to:

S/Shri

1. Member (D&R), CWC.
2. Member (RM), CWC.
3. Z. Hasan, Member (WP&P), Central Water Commission.
4. Commissioner (Projects), Ministry of Water Resources, S.S.Bhawan, New Delhi.
5. Commissioner (PP), Ministry of Water Resources, S.S.Bhaswan, New Delhi.
6. Commissioner (Indus), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
7. Commissioner (ER), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
8. A.P. Jayant, Chief Engineer (PMO), CWC.
9. S.L. Pahuja, Chief Engineer (PPO), CWC.
10. S. Chandra, Chief Engineer (FM), CWC.
11. A.B. Pal, Director (Project Appraisal - Central), CWC.
12. M.K. Sharma, Director (Cost Engineering - Irrigation), CWC.
13. Indra Raj, Director (Project Preparation - South), CWC.
14. M. Ganesan, Director (ECO), CWC.
15. R.B.L. Tiwari, Director (FM-II), CWC.
16. S.S. Iyer, Chairman, Brahmaputra Board, Guwahati.
17. R.K.S. Singh, GM, Brahmaputra Board, Guwahati.
18. V. Kumar, SE (Proj), Brahmaputra Board, Guwahati.
19. K.K. Sarma, Executive Engineer, Brahmaputra Board, Guwahati.
20. S.B. Mohapatra, Principal Secretary (Water Resources), Orissa, Bhubaneswar.
- ✓ 21. Dr. B.P. Das, Engineer-in-Chief (Irrigation), Orissa, Bhubaneswar.
22. A.K. Dash, Liaison Officer, WRD, Government of Orissa.
23. B. Mahakul, Director (O&M), Planning, Government of Orissa, Bhubaneswar.
24. N. Mallick, Executive Engineer, Planning, Government of Orissa, Bhubaneswar.
25. K.R. Acharya, Assistant Director, WRD, Government of Orissa, Bhubaneswar.
26. S.C. Vijay, Director, S&I (Irrigation), Rajasthan, Kota.
27. V.K. Patni, Executive Engineer, S&I (Irrigation) Division, Sawai Madhopur, Rajasthan.

Copy also forwarded for information to:

S/Shri

1. Dr. S.C. Verma, Joint Director, MOEF.
2. M.D. Paliath, Director, Ministry of Welfare.
3. V.D. Lulla, Chief Engineer (HA), CEA.
4. R.S. Chadha, Director (HA), CEA.
5. PJS Bhamrah, Director, CGWB.

Summary Record of discussions of the 62nd Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 25/8/95 at 1000 Hrs. in the Committee Room of Central Water Commission, New Delhi.

The list of participants is enclosed at Annexure - I.

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

After welcoming the participants, Secretary (WR) & Chairman of the Committee desired that Flood Control Scheme titled 'Protection of Dainigaon and its adjoining areas (Hatisal & Neamati) against the erosion of River Brahmaputra' may be taken up first for discussion.

Flood Control Scheme

S1. No. 6 of 1995-96 : Protection of Dainigaon and its adjoining areas (Hatisal & Neamati) against the erosion of River Brahmaputra (Assam).
Estimated Cost : Rs. 31.89 Cr.
Area Benefitted : 110.18 Sq. Km.
Population Benefitted : 1,00,000 Persons.

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

(Action : Planning Commission)

New Medium Scheme

S1. No. 5 of 1995-96 : Chakan Medium Irrigation Project (Rajasthan).
Estimated Cost : Rs. 9.5532 Cr. (1992-93 Price level)
CCA : 2508 Ha.
Annual irrigation : 3377 Ha.

Secretary (WR) desired that CGWB should carry out a study regarding ground water potential in the Command Area of Chakan Medium Irrigation Project to examine the possibility of augmenting the irrigation potential. The representative from the CGWB agreed to furnish the same. However, the scheme was found acceptable subject to forest clearance and provision of adequate funds by the State Finance Department so that the Project could be completed within stipulated time.

(Action : State Government/CGWB)

New Major Scheme

S1. No. 9 of 1995-96 : Orissa Water Resources Consolidation Project (Orissa).
Estimated Cost : Rs. 977.00 Cr. (1994 Price level)
Command Area
i. System improvement : 2,62,739 Ha.
ii Scheme Completion : 51,400 Ha.

Chairman of the Advisory Committee enquired about the status of clearance of Orissa Water Resources Consolidation Project from MOEF, MOW and State Finance Department. Chief Engineer (PPO) informed that the Ministry of Welfare (TD Division), Government of India has given clearance with some observations. Financial concurrence from the State Finance Department has also been received. Regarding clearance from MOEF, representative from MOEF observed that prima facie there does not appear to be any problem for clearance from MOEF as all the projects proposed under Scheme Completion have already been cleared by Planning Commission earlier and projects under System Improvement and Farmers Turnover (SIFT) component are completed projects. However, a formal clearance of MOEF of the Orissa Water Resources Consolidation Project as a whole would be given after due processing of the scheme.

Regarding B.C. Ratio for the project it was explained that considering the nature of the project it may not be possible to work out a proper B.C. Ratio. However, an attempt has been made to find out the B.C. Ratio by considering the benefits from the system improvement from partial irrigated area to full irrigation. Secretary (WR) enquired about the status of ground water for its conjunctive use with the surface water. Chief Engineer (PPO) informed that studies on the assessment of ground water potential are planned to be undertaken during the project implementation as contained in Para 14 of the TAC Note. Other actions requiring compliance during project implementation are also contained under the same para.

After discussion, the Committee found the Project acceptable subject to Government of Orissa obtaining a formal clearance from Ministry of Environment and Forests, Government of India.

(Action : State Government)

New Multipurpose Projects

Sl. No. 8 of 1985-86	: Pagladiya Dam Project (Assam).
Estimated Cost	: Rs. 479.21 Cr.
CCA	: 40743 Ha.
Annual Irrigation	: 54160 Ha.
Annual Benefit	
Flood Control	: Rs. 14.00 Cr.
Power	: Rs. 1.98 Cr.
Irrigation	: Rs. 71.17 Cr.
Installed Capacity	: 3 MW

Secretary (WR) desired to know about the environmental clearance from MOEF. Chairman, Brahmaputra Board, informed that MOEF had asked for the funding agency before the decision could be taken about the clearance from environmental angle. Secretary (WR) intervened and clarified that decision has yet not been taken regarding funding agency at this stage. The representative of MOEF clarified that he wanted to know about the implementing agency and monitoring agency for the Environmental Action Plan so that further interaction can be made with them.

Secretary (WR) advised Chairman, Brahmaputra Board, that

detailed design should be based on the updated Hydrological studies before the project is taken up for implementation. He also advised that monitoring of Ground Water levels in the pre and post monsoon period in the command area should be continued and conjunctive use aspects and the drainage component of the project may be reviewed with the data as it becomes available.

Secretary (WR) desired that the Project Implementation Authority (PIA) and the Project Monitoring Committee should separately monitor the resettlement and rehabilitation of ST Families to ensure that the benefits reach them.

During the discussions, Chief Engineer (HA), Central Electricity Authority informed that the estimated cost of Rs. 7.5 Cr. for the Power Component is considered to be in order.

The Committee considered the Project acceptable subject to environmental clearance from Ministry of Environment and Forests.

(Action : Brahmaputra Board)

Sl. No. 7 of 1995-96	: Tipaimukh Dam Project (Manipur/Mizoram).
Estimated Cost	: Rs. 2899.00 Cr..
Annual Benefit	
Flood Control	: Rs. 27.55 Cr.
Power	: Rs. 440.00 Cr.
Installed Capacity	: 1500 MW

After detailed discussion the Committee found the Project acceptable subject to environmental and forests clearance from MOEF and the condition that an agreement should be reached amongst the three States i.e. Assam, Manipur and Mizoram regarding sharing of cost and benefit of the project.

(Action : Brahmaputra Board)

Other Item

Srisaïlam Right Bank Canal Project (Andhra Pradesh).

The Project was approved in the 58th Meeting of Advisory Committee held on 24/6/94 subject to the State Government obtaining clearance from MOEF and MOW within 6 months. Thereafter, Planning Commission would take action for according investment clearance. Requests of the State Government for further extension for taking the clearances from MOEF and MOW till 24/6/95 was granted in the 59th Meeting of Advisory Committee held on 16/12/94. State Government has now submitted clearance of MOEF and has requested for a further extension of 4 months beyond 24/6/95 for arranging clearance from MOW. The Advisory Committee considered request and has granted extension for clearance from MOW for another 4 months beyond 24/6/95.

(Action : State Government)

LIST OF PARTICIPANTSMEMBERS OF COMMITTEE

S/Shri

- | | |
|--|------------------|
| 1. M.S. Reddy, Secretary, Water Resources. | In the Chair |
| 2. Dr. S.C. Verma, Joint Director, MOEF.
(Representing Secretary, MOEF) | Member |
| 3. M.D. Paliath, Director, Ministry of Welfare.
(Representing Secretary, Ministry of Welfare) | Member |
| 4. V.D. Lulla, Chief Engineer (HA), CEA.
(Representing Chairman, CEA) | Member |
| 5. Kanwal Nath, JS&FA, MOWR. | Member |
| 6. PJS Bhamrah, Director, CGWB.
(Representing Chairman, Central Ground Water Board). | Member |
| 7. S.C. Chitkara, Chief Engineer (PAO), CWC. | Member-Secretary |

Special Invitees:

1. Z. Hasan, Member(WP&P), Central Water Commission.

CWC Officers:

1. A.P. Jayant, Chief Engineer (PMO), CWC.
2. S.L. Pahuja, Chief Engineer (PPO), CWC.
3. S. Chandra, Chief Engineer (FM), CWC.
4. A.B. Pal, Director (Project Appraisal - Central), CWC.
5. M.K. Sharma, Director (Cost Engineering - Irrigation), CWC.
6. Inder Raj, Director (Project Preparation - South), CWC.
7. M. Ganesan, Director (ECO), CWC.
8. R.S. Chadha, Director (HA), CEA.
9. R.B.L. Tiwari, Director (FM-II), CWC.
10. A.K. Kharya, Dy. Director (PA-N), CWC.
11. B.B. Halder, Dy. Director (PA-N), CWC.
12. S.K. Srivastava, Dy. Director (PA-C), CWC.
13. A.S.P. Sinha, Dy. Director (PA-C), CWC.
14. Lalji, Dy. Director (PA-C), CWC.
15. V.P. Singh, Dy. Director (PA-S), CWC.
16. P.L. Yadav, Dy. Director (FM-II), CWC.

Brahmaputra Board Officers:

1. S.S. Iyer, Chairman, Brahmaputra Board, Guwahati.
2. R.K.S. Singh, GM, Brahmaputra Board, Guwahati.
3. V. Kumar, SE (Proj), Brahmaputra Board, Guwahati.
4. K.K. Sarma, Executive Engineer, Brahmaputra Board, Guwahati.

State Governments Officers: Orissa

1. S.B. Mohapatra, Principal Secretary (Water Resources), Orissa, Bhubaneswar.
2. Dr. B.P. Das, Engineer-in-Chief (Irrigation), Orissa, Bhubaneswar.
3. A.K. Dash, Liaison Officer, WRD, Government of Orissa.
4. B. Mahakul, Director (O&M), Planning, Orissa, Bhubaneswar.
5. N. Mallick, Executive Engineer, Planning, Orissa, Bhubaneswar.
6. K.R. Acharya, Assistant Director, WRD, Government of Orissa, Bhubaneswar.

Rajasthan

1. S.C. Vijay, Director, S&I (Irrigation), Rajasthan, Kota.
2. V.K. Patni, Executive Engineer, S&I (Irrigation) Division, Sawai Madhopur, Rajasthan.

No. 16/27/96-PA(N)/187

Dt. 06/02/96.

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK PURAM, NEW DELHI-66.

FAX : 91-11-6875516.

Subject: 63rd meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 25/1/96.

Find enclosed a copy of the Summary Record of discussions of the above meeting for information and necessary action please.

Encl.: 2.

(Signature)
(SC CHITKARA)
5/2/96
CE, PAO &
Member Secretary -
Advisory Committee.

Copy to:MEMBERS OF COMMITTEE

S/Shri

1. Dr. M.S. Reddy, Secretary, Ministry of Water Resources, S.S. Bhawan, New Delhi.
2. Shri Ramesh Chandra, Chairman, CWC.
3. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
4. Secretary, Department of Power, S.S. Bhawan, New Delhi.
5. Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Secretary, Ministry of Welfare, Room No. 604, A-Wing, Shastri Bhawan, New Delhi.
8. Director General, ICAR, Krishi Bhawan, New Delhi.
9. Chairman, CEA, Sewa Bhawan, R.K. Puram, New Delhi.
- ✓ 10. Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Kamal Nath, Financial Adviser, Ministry of Water Resources, S.S. Bhawan, New Delhi.
13. Shri R.K. Prasad, Chairman, Central Ground Water Board, NH-IV, CGO New Complex, Faridabad-121001.

105/96
6/2/96

Immediate
M. put up a
self contained
note in the list
of 'A', 'B' & 'C' as
marked for
submission w/
by chairman

DA(II)

Action already
take. Pl. Record
S(FC&CAD)
8/4

6/2/96

JA (encl.)
DA(II) may be
see for n.a.

25
Copy also to:

S/Shri

1. Ramesh Chandra, Member (D&R), CWC.
2. N. Sathyamurthy, Member (RM), CWC.
3. Z. Hasan, Member (WD&P), CWC.
4. Secretary, Irrigation, Govt. of Bihar, Sinchai Bhawan, Patna.
5. Commissioner (Projects), Ministry of Water Resources, S.S. Bhawan, New Delhi.
6. Commissioner (PP), Ministry of Water Resources, S.S. Bhaswan, New Delhi.
7. Commissioner (Indus), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
8. N.V.V. Char, Commissioner (ER), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
9. S. Chandra, Chief Engineer (FMO), CWC.
10. P.V. Rao, Director (Project Appraisal - North), CWC.
11. A.B. Pal, Director (Project Appraisal - Central), CWC.
12. I.D. Garg, Director (Project Appraisal - South), CWC.
13. Director (FM), CWC.

GFCC Officers

1. Dr. B.K. Mittal, Chairman, GFCC, Patna.
2. B.P. Singh, Director, GFCC, Patna.
3. R.P. Singh, Dy. Director, GFCC, Patna.

State Government Officers: Bihar

1. Gopal Krishna, Chief Engineer, WRD, Samastipur.
2. Raj Kumar Mehrotra, Executive Engineer, Flood Control Division, Begusarai.
3. S.M. Khan, Liaison Engineer, M-13, Saket, New Delhi-17.

Copy also forwarded for information to:

1. Dr. T.N. Chaudhary, Asstt. Director General, (Water Mang.), ICAR.
2. R.K. Jain, Director, Dept. of Finance.
3. Capt. (EX) S.S. Singh, Jt. Adviser (I&CAD).
4. N.C. Jain, Dy. Director, CEA.

25

Summary Record of discussions of the 63rd Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 25/1/96 at 1500 hrs. in the Committee Room of Central Water Commission, New Delhi.

The 63rd Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held on 25/1/96 at New Delhi, under the Chairmanship of Secretary, Ministry of Water Resources. A list of participants is enclosed at Annexure - I.

AGENDA ITEM NO. 1 : Consideration of Flood Control Scheme by the Advisory Committee.

After welcoming the participants, Secretary (WR) & Chairman of the Committee invited the officials of Bihar Government to make a presentation about the proposed Project of Flood Protection of Barauni-Begusarai Complex.

Flood Control Scheme

Sl. No. 10 of 1995-96	• Flood Protection of Barauni-Begusarai Complex under Begusarai Dist. of Bihar.
Estimated Cost	• Rs. 623.96 Lakhs.
Area Benefitted	• 310 ha.
Population Benefitted	• 29513 & 39208 persons at Mahendrapur and Madhnapur respectively.

Shri Rajesh Kumar Mehrotra, Executive Engineer, Flood Control Division, Begusarai briefly explained the Project proposal (for consideration of the Advisory Committee). He informed that substantial portion of the Project work is proposed to be completed by March, 1996 and rest of the work is planned to be completed in the next financial year. Chairman, TAC enquired from the representative of Planning Commission about the availability of funds whereupon the representative of Planning Commission said that he was not aware of funds for this project. The Project Authorities were then called upon to explain about the revision of B.C. Ratio from 1.55 to 2.15. The Chairman, GFCC said that the procedure for the B.C. Ratio calculations was adopted as per CWC Guidelines.

Chairman, TAC opined that average annual losses should have been arrived at considering the losses due to floods over a period of 10-15 years. Chairman, CWC expressed that no structure on rivers like Ganga and Brahmaputra should be taken up without proper model studies. He also remarked that the two schemes mentioned in the project proposal are situated wide apart (about 30 KM) and they are independent of each other. As such, they should not have been clubbed together. He wondered why no model studies were carried out even though the damages were taking place for the last 15-20 years. Member (WP&D) expressed that the works proposed are for two isolated spots in the stretch of Ganga between Barauni and Begusarai and there was no guarantee that the remaining parts of the reach would not be affected by future floods.

Shri R.K. Jain, Director, Department of Expenditure, Ministry of Finance pointed out that the width of bank erosion at Mathurapur was reported to be in the range of 45 m to 200 m during the years 1992-95 (Annex-I) whereas while calculating the erosion of agricultural land (Annex-II), the average width of erosion was taken as 600m, much on the higher side. Thereupon, the project authorities replied that the rate of erosion of 600 m was assumed for future floods.

After prolonged discussions the Committee took the following decisions:

(1) In view of the urgency of the problem, the Project is cleared, subject to the Bihar Government establishing availability of required funds by 29th February, 1996, failing which the clearance stands withdrawn. In that case, the Project proposal should be re-submitted to TAC for re-appraisal after carrying out the required model studies.

(2) The CWPRS, Pune should be consulted on location, alignment and the length of spurs to be adopted in the scheme.

(3) In case of shortage of funds, the protection works at Mahendrapur downstream of Mokhama Bridge near Begusarai should be taken up in the first instance.

The Committee recommends the project to the Planning Commission for according investment clearance subject to the above observations.

(Action : Planning Commission)

LIST OF PARTICIPANTS

MEMBERS OF COMMITTEE

S/Shri

- | | |
|---|------------------|
| 1. M.S. Reddy, Secretary, Water Resources. | In the Chair |
| 2. Ramesh Chandra, Chairman, CWC. | Member |
| 3. Dr.T.N. Chaudhary, Asstt. Director General (Water Management), ICAR. | Member |
| (Representing Director General, ICAR). | |
| 4. R.K. Prasad, Chairman, CGWB. | Member |
| 5. Kanwal Nath, JSAFA, MOWR. | Member |
| 6. R.K. Jain, Director, Dept. of Finance (Representing Secretary (Expenditure) Ministry of Finance. | Member |
| 7. Capt. (Ex) S.S. Singh, Jt. Adviser (IACAD). | Member |
| 8. N.C. Jain, Dy. Director, CEA. | Member |
| (Representing Chairman, CEA) | |
| 9. S.C. Chilkara, Chief Engineer (PAQ), CWC. | Member-Secretary |

Special Invitees:

1. Z. Hasan, Member (WP&P), CWC.
2. N. Sathyamurthy, Member (RM), CWC.
3. N.V.V. Char, Commissioner (ER), MOWR.

CWC Officers:

1. S. Chandra, Chief Engineer (FM), CWC.
2. A.R. Pal, Director (Project Appraisal - Central), CWC.
3. I.D. Garg, Director (Project Appraisal-South), CWC.
4. P.V. Rao, Director (Project Appraisal-North), CWC.
5. A.K. Bharya, Dy. Director (PA-N), CWC.
6. B.B. Halder, Dy. Director (PA-N), CWC.
7. A.S.P. Sinha, Dy. Director (PA-C), CWC.

GECC Officers:

1. Dr. B.K. Mittal, Chairman, GECC, Patna.
2. B.P. Singh, Director, GECC, Patna.
3. R.P. Singh, Dy. Director, GECC, Patna.

State Government Officers: Bihar

1. Gopal Krishna, Chief Engineer, WRD, Samastipur.
2. Raj Kumar Mehrotra, Executive Engineer, Flood Control Division, Begusarai.
3. S.M. Khan, Liaison Engineer, M-13, Saket, New Delhi-17.

No. 10/27/96-PA(N)/511

Dt. 10/04/96.

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK PURAM, NEW DELHI-66.
FAX : 91-11-6875516.

Subject: 64th meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 03/04/96.

Find enclosed a copy of the Summary Record of discussions of the above mentioned meeting for information and necessary action please.

Encl.: aa.

Copy to:
MEMBERS OF COMMITTEE

S/Shri

1. Dr. M.S. Reddy, Secretary, Ministry of Water Resources, S.S. Bhawan, New Delhi.
2. Shri Ramesh Chandra, Chairman, CWC.
3. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
4. Secretary, Department of Power, S.S. Bhawan, New Delhi.
5. Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Secretary, Ministry of Welfare, Room No. 604, A-Wing, Shastri Bhawan, New Delhi.
8. Director General, ICAR, Krishi Bhawan, New Delhi.
9. Chairman, CEA, Sewa Bhawan, R.K. Puram, New Delhi.
- ✓ 10. B.N. Navalawala, Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Kanwal Nath, Financial Adviser, Ministry of Water Resources, S.S. Bhawan, New Delhi.
13. Chairman, Central Ground Water Board, NH-IV, CGO New Complex, Faridabad-121001.

Copy also to:

1. Member (D&R), CWC.
2. Z. Hasan, Member (WP&P), CWC.
3. PS to Member (RM), CWC.
4. Commissioner (Projects), Ministry of Water Resources, S.S. Bhawan, New Delhi.

5. Commissioner (PP), Ministry of Water Resources, S.S.Bhaswan, New Delhi.
6. Commissioner (Indus), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
7. N.V.V. Char, Commissioner (ER), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
8. S.L. Pahuja, Chief Engineer (PPO), CWC.
9. Chief Engineer (PMO), CWC.
10. P.V. Rao, Director (Project Appraisal - North), CWC.
11. A.B. Pal, Director (Project Appraisal - Central), CWC.
12. Director (Project Appraisal - South), CWC.
13. M.K. Sharma, Director, Cost Engineering (Irrigation), CWC.
14. Director (EM), CWC.

State Government Officers: Himachal Pradesh

1. Smt. C.P. Sujaya, FC-cum-Secretary, I&PH, Government of HP.
2. S.M. Bhardwaj, Superintending Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.
3. S.L. Gulson, Assistant Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.
4. B.R. Sharma, Assistant Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.

Andhra Pradesh

1. Amitabh Bhattacharya, Secretary, Irrigation, Government of AP.
2. P.K. Agarwal, Secretary, Projects, Government of AP.
3. B. Rosaiah, Engineer-in-Chief, Irrigation Department, Hyderabad.
4. K.N. Raja Rao, Consultant (ISR), Government of AP, Hyderabad.
5. V. Subba Rao, Superintending Engineer, Irrigation Circle, Vijayawada, AP.
6. J.P. Subbaiah, Superintending Engineer, Pulichintala Project, Vijayawada, AP.
7. M.A. Rao, Superintending Engineer, NKLI Project, Mahbubnagar.

Rajasthan

1. R.D. Sharma, Addl. Chief Engineer, Kota Zone, Rajasthan.
2. R.P. Mathur, Assistant Engineer, Lift Irrigation, Sub-division, Kota, Rajasthan.

Punjab

1. Principal Secretary, Department of Irrigation & Power, Government of Punjab, Secretariat, Chandigarh.

Copy forwarded for information to:

1. R.K. Jain, Director, Dept. of Finance.
2. M.D. Paliath, Director, Ministry of Welfare
3. R.S. Chadha, Director, CEA
4. P.J.S. Bhamrah, Director, CGWB
5. S.S. Singh, Jt. Advisor (I&CAD), Planning Commission.
6. A.S. Gupta, Dy. Advisor (I&CAD), Planning Commission.
7. S.K. Agrawal, Jt. Commissioner (PR), MOWR.
8. S.B. Srivastava, Jt. Commissioner (I), MOWR.

Summary Record of discussions of the 64th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 03/04/96 at 1100 Hrs. in the Committee Room of Central Water Commission, New Delhi.

The 64th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held on 03/04/96 at 1100 Hrs. at New Delhi, under the Chairmanship of Secretary, Ministry of Water Resources. At the outset, Advisor, Planning Commission raised the issue of holding the meeting after declaration of general elections in the country. The Chairman explained that the Projects were being considered by the Committee from the view point of their techno-economic viability only. The Committee takes a view at the results of the techno-economic appraisal by Central Water Commission and forwards its recommendations to the Planning Commission to enable the latter to take decisions regarding investment. The Committee considers this as a routine official exercise.

Shri R.K. Jain, Director, Department of Expenditure raised an objection that the statement of Financial Details of on-going projects such as spillover cost to VIII plan, VIII plan outlay and year-wise expenditure up to 94-95 and outlay for 95-96 were not circulated earlier alongwith agenda notes. These statements were however, circulated before the commencement of discussion on the Projects in accordance with the decision of the Advisory Committee. The Chairman mentioned that these details were more relevant to the Planning Commission for consideration when giving investment clearance. Welcoming the participants, the Chairman, then requested the Member-Secretary to start the proceedings by taking up the Projects one after the other.

A list of participants is enclosed at Annexure - I.

Item No.I : Consideration of Projects by the Advisory Committee.

Irrigation Schemes

S1. No. 4/96-97 : Shah Nehar Irrigation Project (Major), Himachal Pradesh.
CCA : 15287 ha.
Annual Irrigation : 24760 ha.
Estimated cost : Rs. 143.32 Crore (SOR 1995-96).

The Financial Commissioner-cum-Secretary, I&PH, Government of Himachal Pradesh explained the Project proposals including inter-state agreement of 1983 between Governments of Punjab & Himachal Pradesh and subsequent award of the Chairman, Central Water Commission in the arbitration case of this Project. She

also informed that the State Finance Department has given its concurrence for this Project. The Project is in an advanced stage of clearance in the Ministry of Environment and Forest from Environment and Forests angle. There is no displacement of population, either tribal or non-tribal, and hence, no Rehabilitation & Resettlement plan has been proposed. As no tribal population is displaced, clearance from Ministry of Welfare is not required.

Advisor, Planning Commission pointed out that in para 5 (ii).1. 'Outstanding Issues' of TAC note it is stated that "The Project authorities will get clearance from the Punjab Irrigation Department for sharing of cost (for 250 cusecs against the canal capacities of 364 cusecs) finalised", whereas, in para 4.1, the cost sharing based on the agreement signed by the two Governments and the Arbitration Award of Chairman, Central Water Commission is clearly spelt out. Para 5 ii.1. should therefore discuss only the expenditure phasing and its sharing by the Punjab Government. This contention was accepted by the Committee. The Chairman pointed that the cost indicated to be borne by the Government of Punjab in Para 4.1 is indicative only based on the current estimated cost. In practice, however Government of Punjab will have to bear its share in the actual cost as per the formula agreed to by the two States and subsequent award of the Chairman, Central Water Commission.

The Project was approved subject to clearance from Ministry of Environment and Forests.

(Action : Planning Commission,
Govt. of Punjab & HP)

Sl.No. 1/96-97	: Gararda Project (Medium)
	Rajasthan.
CCA	: 9189 ha.
Annual Irrigation	: 9215 ha.
Estimated cost	: Rs. 39.51 Crore (SOR 1994-95)

Additional Chief Engineer, Irrigation Zone, Kota, Rajasthan presented in brief the Scheme to the Committee.

Member (WP&P) desired to know the latest status of the forest clearance of the Scheme. In response to that, the Additional Chief Engineer clarified that forest clearance case has already been sent to Ministry of Environment and Forests, Government of India in November, 1994 and the clearance is still awaited.

Director (Tribal Development), Ministry of Welfare mentioned that a minimum of 2 ha. of arable land should be allotted to each tribal oustee. Additional Chief Engineer agreed to take up the matter with the Government of Rajasthan.

During the discussion, Additional Chief Engineer mentioned that there is a provision of Rs. 95 crore for 16 New Medium Irrigation Projects of Rajasthan. Chairman desired that specific provision should be made by the State Government for Gararda Medium Irrigation Scheme and intimated to CWC/Planning Commission.

The Committee found the Project acceptable subject to concurrence of State Finance Department and obtaining the clearances from the forest and R&R aspects.

(Action : State Government,
Planning Commission)

Sl.No. 2&3/1996	Krishna Delta Modernisation including Pulichintala Dam Project (Major), Andhra Pradesh
CCA	4,22,000 ha.
Annual Irrigation	5,75,000 ha.
Estimated Cost (SOR 1995-96)	Krishna Delta Modernisation Rs. 659.16 cr.
	Pulchintala Dam Project Rs. 506.2 cr.
	Total Rs.1165.36 cr.

The Advisory Committee had discussions on the combined TAC note of the above projects alongwith supplementary notes distributed among the members just before the meeting. The representative of CGWB stated that as per the report only 25% of the total command area of Krishna Delta is occupied by fresh ground water zone and the remaining 75 % area is occupied by water of poor quality. Water table is also high which may result in water logging. In reply to the above points raised by representative of CGWB, Dr. K.N. Raja Rao, Consultant (ISR) Govt. of A.P. stated that according to their State Ground Water Board, ground water table is rising slowly. Moreover population of delta area is rising rapidly due to which there will be more ground water drawal. So, there is no danger of water logging. With regard to the quality of ground water, Dr. K.N. Raja Rao stated that quantum of ground water has been estimated as 9.16 TMC after excluding saline water in consultation with State Agriculture Deptt. and State Ground Water Board.

The representative of Ministry of Welfare stated that the R&R Plans were acceptable except that provision for minimum of 2 ha. of land for each tribal family should be made mandatory in the R&R Plans. He also stated that the issue had been sorted out during discussions with officials of Govt. of A.P. Sufficient amount was provided in the project estimate for R&R.

Adviser, I&CAD of Planning Commission stated that

identical proposal of Cauvery Delta Modernisation project was earlier not considered by the Advisory Committee on the plea that consent from other basin states was required. He suggested that in view of this, this project should also not be considered by the Advisory Committee. Member (WP&P) pointed out that the case of Cauvery Delta Modernisation Project was different because sharing of Cauvery waters is yet to be decided by the tribunal whereas in case of Krishna water, shares have already been allocated and proposals are within allocations made by the tribunal. So there is no need for consent from other basin states in case of the Krishna Delta Modernisation Project. Chairman, CWC stated that according to KWDT award, basin States were free to reallocate water from within their share in case of Krishna Basin, whereas in case of Cauvery basin, the tribunal was still to give its award declaring the share of each basin state.

Adviser, (I&CAD) wanted to know how the saving of water due to modernisation had been quantified. Dwelling at length on the works proposed to be carried out in the Krishna Delta Modernisation Project as detailed in para 2.2 of TAC note, Dr. K.N. Raja Rao, on behalf of Govt. of A.P., pointed out that the present level of efficiency of the system was assessed as 40% and the increased level of efficiency of 55% after carrying out all the works including lining in selected reaches, was an under estimation.

The Advisory Committee decided to recommend the above projects as techno-economically viable subject to the compliance of outstanding issues by the Govt. of A.P. as mentioned in the Para 17 (i) and (ii) of TAC note and also para II (i) to (v) & Para III of the supplementary note.

The Govt. of A.P. has obtained concurrence of their Finance and Planning Deptt. for Rs. 655.2 crore for Modernisation of Krishna Delta Project. The cost was finalised in CWC as Rs. 659.16 crore. The Govt. of A.P. is also required to obtain concurrence of Finance Deptt. for the increased cost.

In case of Pulichintala Dam Project, Govt. of A.P. has already obtained concurrence of their Finance Deptt. for Rs. 509 crore whereas the cost finalised in CWC is Rs. 506.2 crore. So no fresh concurrence is required from State Finance Deptt. in case of Pulichintala Dam Project.

(Action : State Government,
Planning Commission)

Sl.No. 5/1996	: Bhima Lift Irrigation Project,
	Andhra Pradesh
CCA	: 96647 ha.
Annual Irrigation	: 83779 ha.
Estimated Cost	: Rs. 744 cr. (SOR 1993-94)

Shri Kanwal Nath, Financial Adviser, MOWR stated that depreciation for pumps was adopted as 6.25% whereas it should have been 8.33%. Director, Cost Engg. clarified that this had been corrected to 8.33% for working out B.C. Ratio. He further clarified that for working out rates of individual items, depreciation is taken in accordance with the standard life of the machine as a straight line variation.

Shri Kanwal Nath also pointed out that for working out B.C. Ratio, gross receipts after canal irrigation have been calculated showing some expenditure on fodder whereas in the Krishna Delta Modernisation Project, no such expenditure on fodder was shown. It was pointed out that in case of Krishna Delta Modernisation, only increase in yield due to modernisation had been considered and it was assumed that expenditure on inputs had not substantially changed.

The project was accepted by the Advisory Committee as techno-economically viable subject to obtaining clearance from Ministry of Environment and Forests from environmental angle for the project by Govt. of A.P. and compliance of various technical comments of CWC and other appraising agencies as mentioned in para 11.0 of TAC note and Para II of the supplementary note.

(Action : State Government,
Planning Commission)

Sl.No. 6/1996-97	:	Sri Rama Sagar Project Stage-II Andhra Pradesh
CCA	:	2,37,600 ha.
Annual Irrigation	:	2,53,400 ha.
Estimated Cost	:	Rs. 697.7 cr. (SOR 1995-96)

The modified estimate of the project was received in CWC for Rs.1190.77 crore which was examined in CWC and cost was finalised as Rs. 697.7 crore. The Secretary(WR) desired to know the reasons for such a drastic reduction in the cost. The Director, Cost Engineering Dte. gave a brief account of various heads under which cost had been reduced. With reference to Para 12(ii) of the TAC note, the Advisor, Planning Commission stated that forest clearance is also required for the project because making modifications in the project to avoid reserve forest during construction may result in many changes in the project. This contention was accepted.

The Advisory Committee accepted the project as techno-economically viable subject to:-

1. Obtaining approval of APSEB for required quantum of energy and rates of energy for pumping the ground water.
2. Obtaining the forest clearance for the project.
3. Substantiation of the provisions in respect of

distributaries and minors, water course and drainage on the basis of micro planning of the command to an extent of 10% of the total CCA.

4. Compliance of various technical comments as listed in para 11.2 of the TAC note, by the Govt. of A.P.

(Action : State Government,
Planning Commission)

Sl.No. 7/1996-97 : Flood Flow Canal Project from SRSP
(High level Canal Project), Andhra Pradesh
CCA : 1,32,000 ha.
Annual Irrigation : 1,02,000 ha.
Estimated Cost : Rs. 1331.30 cr. (SOR 1992-93)

A brief discussion was held regarding B.C.Ratio of the project. The B.C. Ratio of the project comes to only 1.02. As the project benefits Nalgonda district which is a drought prone area, it was decided that project can be accepted for a B.C. Ratio lower than 1.5. The Advisory Committee decided to accept the project as techno-economically viable subject to the following conditions:-

1. The Govt. of A.P. shall obtain environmental clearance from Ministry of Environment & Forests, Govt. of India and Govt. of A.P. will submit a certificate that no forest land is involved in the project.

2. The Govt. of A.P. shall obtain clearance of R&R Plans from Ministry of Welfare, Govt. of India.

3. The Govt. of A.P. will obtain a certificate from State Agriculture Deptt. regarding rates of produce as Rs. 13,200 per ton for ground nut and Rs. 14,300 per ton for chillies at 1992-93 price level and furnish the same to CWC.

4. The Govt. of A.P. shall comply to the technical observation of CWC and other appraising agencies as mentioned in para 17 of the TAC note.

(Action : State Government,
Planning Commission)

The meeting ended with vote of thanks to the chair.

LIST OF PARTICIPANTSMEMBERS OF COMMITTEE

S/Shri

- | | |
|--|------------------|
| 1. M.S. Reddy, Secretary, Water Resources. | In the Chair |
| 2. Ramesh Chandra, Chairman, CWC. | Member |
| 3. R.K. Jain, Director, Dept. of Finance
(Representing Secretary (Expenditure)
Ministry of Finance). | Member |
| 4. M.D. Paliath, Director, Ministry of Welfare
(Representing Secretary, Ministry of Welfare). | Member |
| 5. R.S. Chadha, Director, CEA
(Representing Chairman, CEA). | Member |
| 6. P.J.S. Bhamrah, Director, CGWB
(Representing Chairman, CGWB). | Member |
| 7. B.N. Navalawala, Adviser (I&CAD),
Planning Commission | Member |
| 8. Kanwal Nath, JS&FA, MOWR. | Member |
| 9. S.C. Chitkara, Chief Engineer (PAO), CWC. | Member-Secretary |

Special Invitees:

1. Z. Hasan, Member (WP&P), CWC.
2. N. Sathyamurthy, Member (RM), CWC.
3. N.V.V. Char, Commissioner (ER), MOWR.
4. S.K. Agrawal, Jt. Commissioner (PR), MOWR.
(Representing Commissioner (PR), MOWR).
5. S.B. Srivastava, Jt. Commissioner (I), MOWR.
(Representing Commissioner (I), MOWR).

CWC and Other Officers:

1. S.L. Pahuja, Chief Engineer (PPO), CWC.
2. S.S. Singh, Jt. Advisor (I&CAD), Planning Commission.
3. A.B. Pal, Director (Project Appraisal - Central), CWC.
4. P.V. Rao, Director (Project Appraisal-North), CWC.
5. M.K. Sharma, Director, Cost Engineering (Irrigation), CWC.
6. A.S. Gupta, Dy. Advisor (I&CAD), Planning Commission.
7. A.K. Kharya, Dy. Director (PA-N), CWC.
8. B.B. Halder, Dy. Director (PA-N), CWC.
9. A.S.P. Sinha, Dy. Director (PA-C), CWC.
10. S.K. Srivastava, Dy. Director (PA-C), CWC.
11. Lalji, Dy. Director (PA-C), CWC.
12. R.K. Jain, Dy. Director (PA-S), CWC.
13. Kashindra Yadav, Dy. Director (EM), CWC.

State Government Officers: Himachal Pradesh

1. Smt. C.P. Sujaya, FC-cum-Secretary, I&PH, Government of HP.
2. S.M. Bhardwaj, Superintending Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.
3. S.L. Gulson, Assistant Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.
4. B.R. Sharma, Assistant Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.

Andhra Pradesh

1. Amitabh Bhattacharya, Secretary, Irrigation, Government of AP.
2. P.K. Agarwal, Secretary, Projects, Government of AP.
3. B. Rosaiah, Engineer-in-Chief, Irrigation Department, Hyderabad.
4. K.N. Raja Rao, Consultant (ISR), Government of AP, Hyderabad.
5. V. Subba Rao, Superintending Engineer, Irrigation Circle, Vijayawada, AP.
6. J.P. Subbaiah, Superintending Engineer, Pulichintala Project, Vijayawada, AP.
7. M.A. Rao, Superintending Engineer, NKLI Project, Mahbubnagar.

Rajasthan

1. R.D. Sharma, Addl. Chief Engineer, Kota Zone, Rajasthan.
2. R.P. Mathur, Assistant Engineer, Lift Irrigation, Sub-division, Kota, Rajasthan.

No. 10/27/96-PA(N)/

Dt. 18/04/96.

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK PURAM, NEW DELHI-66.
FAX : 91-11-6875516.

Subject: 64th meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 03/04/96.

Find enclosed a copy of the Summary Record of discussions of the above mentioned meeting for information and necessary action please.

Encl.: aa.

50. 16/4/96
(SG CHITKARA)
CE, PAO &
Member Secretary -
Advisory Committee.

Copy to:

MEMBERS OF COMMITTEE

S/Shri

1. Dr. M.S. Reddy, Secretary, Ministry of Water Resources, S.S. Bhawan, New Delhi.
2. Shri Ramesh Chandra, Chairman, CWC.
3. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
4. Secretary, Department of Power, S.S. Bhawan, New Delhi.
5. Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Secretary, Ministry of Welfare, Room No. 604, A-Wing, Shastri Bhawan, New Delhi.
8. Director General, ICAR, Krishi Bhawan, New Delhi.
9. Chairman, CEA, Sewa Bhawan, R.K. Puram, New Delhi.
10. B.N. Navalawala, Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Kanwal Nath, Financial Adviser, Ministry of Water Resources, S.S. Bhawan, New Delhi.
13. Chairman, Central Ground Water Board, NH-IV, CGO New Complex, Faridabad-121001.

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2. Z. Hasan, Member (WP&P), CWC.
3. PS to Member (RM), CWC.
4. Commissioner (Projects), Ministry of Water Resources, S.S. Bhawan, New Delhi.

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6. Commissioner (Indus), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
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14. Director (EM), CWC.

State Government Officers: Himachal Pradesh

1. Smt. C.P. Sujaya, FC-cum-Secretary, I&PH, Government of HP.
2. S.M. Bhardwaj, Superintending Engineer, I&PH, Shah Nehar Circle, Narpur, Dist. Kangra, HP.
3. S.L. Gulson, Assistant Engineer, I&PH, Shah Nehar Circle, Narpur, Dist. Kangra, HP.
4. B.R. Sharma, Assistant Engineer, I&PH, Shah Nehar Circle, Narpur, Dist. Kangra, HP.

Andhra Pradesh

1. Amitabh Bhattacharya, Secretary, Irrigation, Government of AP.
2. P.K. Agarwal, Secretary, Projects, Government of AP.
3. B. Rosaiah, Engineer-in-Chief, Irrigation Department, Hyderabad.
4. K.N. Raja Rao, Consultant (ISR), Government of AP, Hyderabad.
5. V. Subba Rao, Superintending Engineer, Irrigation Circle, Vijayawada, AP.
6. J.P. Subbaiah, Superintending Engineer, Pulichintala Project, Vijayawada, AP.
7. M.A. Rao, Superintending Engineer, NKLI Project, Mahbubnagar.

Rajasthan

1. R.D. Sharma, Addl. Chief Engineer, Kota Zone, Rajasthan.
2. R.P. Mathur, Assistant Engineer, Lift Irrigation, Sub-division, Kota, Rajasthan.

Punjab

1. Principal Secretary, Department of Irrigation & Power, Government of Punjab, Secretariat, Chandigarh.

Copy forwarded for information to:

1. R.K. Jain, Director, Dept. of Finance.
2. M.D. Paliath, Director, Ministry of Welfare.
3. R.S. Chadha, Director, CEA.
4. P.J.S. Bhamrah, Director, CGWB.
5. S.S. Singh, Jt. Advisor (I&CAD), Planning Commission.
6. A.S. Gupta, Dy. Advisor (I&CAD), Planning Commission.
7. S.K. Agrawal, Jt. Commissioner (PR), MOWR.
8. S.B. Srivastava, Jt. Commissioner (I), MOWR.

Summary Record of discussions of the 64th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 03/04/96 at 1100 Hrs. in the Committee Room of Central Water Commission, New Delhi.

The 64th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held on 03/04/96 at 1100 Hrs. at New Delhi, under the Chairmanship of Secretary, Ministry of Water Resources. At the outset, Advisor, Planning Commission raised the issue of holding the meeting after declaration of general elections in the country. The Chairman explained that the Projects were being considered by the Committee from the view point of their techno-economic viability only. The Committee takes a view at the results of the techno-economic appraisal by Central Water Commission and forwards its recommendations to the Planning Commission to enable the latter to take decisions regarding investment. The Committee considers this as a routine official exercise.

Shri R.K. Jain, Director, Department of Expenditure raised an objection that the statement of Financial Details of on-going projects such as spillover cost to VIII plan, VIII plan outlay and year-wise expenditure up to 94-95 and outlay for 95-96 were not circulated earlier alongwith agenda notes. These statements were however, circulated before the commencement of discussion on the Projects in accordance with the decision of the Advisory Committee. The Chairman mentioned that these details were more relevant to the Planning Commission for consideration when giving investment clearance. Welcoming the participants, the Chairman, then requested the Member-Secretary to start the proceedings by taking up the Projects one after the other.

A list of participants is enclosed at Annexure - I.

Item No.I : Consideration of Projects by the Advisory Committee.

Irrigation Schemes

Sl. No. 4/96-97 : Shah Nehar Irrigation Project (Major),
Himachal Pradesh.
CCA : 15287 ha.
Annual Irrigation : 24760 ha.
Estimated cost : Rs. 143.32 Crore (SOR 1995-96)

The Financial Commissioner-cum-Secretary, I&PH, Government of Himachal Pradesh explained the Project proposals including inter-state agreement of 1983 between Governments of Punjab & Himachal Pradesh and subsequent award of the Chairman, Central Water Commission in the arbitration case of this Project. She

also informed that the State Finance Department has given its concurrence for this Project. The Project is in an advanced stage of clearance in the Ministry of Environment and Forest from Environment and Forests angle. There is no displacement of population, either tribal or non-tribal, and hence, no Rehabilitation & Resettlement plan has been proposed. As no tribal population is displaced, clearance from Ministry of Welfare is not required.

Adviser, Planning Commission pointed out that in para 5 (ii).1. 'Outstanding Issues' of TAC note it is stated that "The Project authorities will get clearance from the Punjab Irrigation Department for sharing of cost (for 250 cusecs against the canal capacities of 364 cusecs) finalised", whereas, in para 4.1, the cost sharing based on the agreement signed by the two Governments and the Arbitration Award of Chairman, Central Water Commission is clearly spelt out. Para 5 ii.1. should therefore discuss only the expenditure phasing and its sharing by the Punjab Government. This contention was accepted by the Committee. The Chairman pointed that the cost indicated to be borne by the Government of Punjab in Para 4.1 is indicative only based on the current estimated cost. In practice, however Government of Punjab will have to bear its share in the actual cost as per the formula agreed to by the two States and subsequent award of the Chairman, Central Water Commission.

The Project was approved subject to clearance from Ministry of Environment and Forests.

(Action : Planning Commission,
Govt. of Punjab & HP)

2	Sl.No. 1/96-97	: Gararda Project (Medium)
		Rajasthan.
	CCA	: 9189 ha.
	Annual Irrigation	: 9215 ha.
	Estimated cost	: Rs. 39.51 Crore (SOR 1994-95)

Additional Chief Engineer, Irrigation Zone, Kota, Rajasthan presented in brief the Scheme to the Committee.

Member (WP&P) desired to know the latest status of the forest clearance of the Scheme. In response to that, the Additional Chief Engineer clarified that forest clearance case has already been sent to Ministry of Environment and Forests, Government of India in November, 1994 and the clearance is still awaited.

Director (Tribal Development), Ministry of Welfare mentioned that a minimum of 2 ha. of arable land should be allotted to each tribal oustee. Additional Chief Engineer agreed to take up the matter with the Government of Rajasthan.

During the discussion, Additional Chief Engineer mentioned that there is a provision of Rs. 95 crore for 16 New Medium Irrigation Projects of Rajasthan. Chairman desired that specific provision should be made by the State Government for Gararda Medium Irrigation Scheme and intimated to CWC/Planning Commission.

The Committee found the Project acceptable subject to concurrence of State Finance Department and obtaining the clearances from the forest and R&R aspects.

(Action : State Government,
Planning Commission)

3	Sl.No. 2&3/1996	:	Krishna Delta Modernisation including Pulichintala Dam Project (Major), Andhra Pradesh
	CCA	:	4,22,000 ha.
	Annual Irrigation	:	5,75,000 ha.
	Estimated Cost	:	Krishna Delta Modernisation
	(SOR 1995-96)	:	Rs. 659.16 cr.
		:	Pulchintala Dam Project
		:	Rs. 506.2 cr.
		:	Total Rs.1165.36 cr.

The Advisory Committee had discussions on the combined TAC note of the above projects alongwith supplementary notes distributed among the members just before the meeting. The representative of CGWB stated that as per the report only 25% of the total command area of Krishna Delta is occupied by fresh ground water zone and the remaining 75 % area is occupied by water of poor quality. Water table is also high which may result in water logging. In reply to the above points raised by representative of CGWB, Dr. K.N. Raja Rao, Consultant (ISR) Govt. of A.P. stated that according to their State Ground Water Board, ground water table is rising slowly. Moreover population of delta area is rising rapidly due to which there will be more ground water drawal. So, there is no danger of water logging. With regard to the quality of ground water, Dr. K.N. Raja Rao stated that quantum of ground water has been estimated as 9.16 TMC after excluding saline water in consultation with State Agriculture Deptt. and State Ground Water Board.

The representative of Ministry of Welfare stated that the R&R Plans were acceptable except that provision for minimum of 2 ha. of land for each tribal family should be made mandatory in the R&R Plans. He also stated that the issue had been sorted out during discussions with officials of Govt. of A.P. Sufficient amount was provided in the project estimate for R&R.

Adviser, I&CAD of Planning Commission stated that

identical proposal of Cauvery Delta Modernisation project was earlier not considered by the Advisory Committee on the plea that consent from other basin states was required. He suggested that in view of this, this project should also not be considered by the Advisory Committee. Member (WP&P) pointed out that the case of Cauvery Delta Modernisation Project was different because sharing of Cauvery waters is yet to be decided by the tribunal whereas in case of Krishna water, shares have already been allocated and proposals are within allocations made by the tribunal. So there is no need for consent from other basin states in case of the Krishna Delta Modernisation Project. Chairman, CWC stated that according to KWDT award, basin States were free to reallocate water from within their share in case of Krishna Basin, whereas in case of Cauvery basin, the tribunal was still to give its award declaring the share of each basin state.

Adviser, (I&CAD) wanted to know how the saving of water due to modernisation had been quantified. Dwelling at length on the works proposed to be carried out in the Krishna Delta Modernisation Project as detailed in para 2.2 of TAC note, Dr. K.N. Raja Rao, on behalf of Govt. of A.P., pointed out that the present level of efficiency of the system was assessed as 40% and the increased level of efficiency of 55% after carrying out all the works including lining in selected reaches, was an under estimation.

The Advisory Committee decided to recommend the above projects as techno-economically viable subject to the compliance of outstanding issues by the Govt. of A.P. as mentioned in the Para 17 (i) and (ii) of TAC note and also para II (i) to (v) & Para III of the supplementary note.

The Govt. of A.P. has obtained concurrence of their Finance and Planning Deptt. for Rs. 655.2 crore for Modernisation of Krishna Delta Project. The cost was finalised in CWC as Rs. 659.16 crore. The Govt. of A.P. is also required to obtain concurrence of Finance Deptt. for the increased cost.

In case of Pulichintala Dam Project, Govt. of A.P. has already obtained concurrence of their Finance Deptt. for Rs. 509 crore whereas the cost finalised in CWC is Rs. 506.2 crore. So no fresh concurrence is required from State Finance Deptt. in case of Pulichintala Dam Project.

(Action : State Government,
Planning Commission)

Sl.No. 5/1996 : Bhima Lift Irrigation Project,
Andhra Praedsh
CCA : 96647 ha.
Annual Irrigation : 83779 ha.
Estimated Cost : Rs. 744 cr. (SOR 1993-94)

Shri Kanwal Nath, Financial Adviser, MOWR stated that depreciation for pumps was adopted as 6.25% whereas it should have been 8.33%. Director, Cost Engg. clarified that this had been corrected to 8.33% for working out B.C. Ratio. He further clarified that for working out rates of individual items, depreciation is taken in accordance with the standard life of the machine as a straight line variation.

Shri Kanwal Nath also pointed out that for working out B.C. Ratio, gross receipts after canal irrigation have been calculated showing some expenditure on fodder whereas in the Krishna Delta Modernisation Project, no such expenditure on fodder was shown. It was pointed out that in case of Krishna Delta Modernisation, only increase in yield due to modernisation had been considered and it was assumed that expenditure on inputs had not substantially changed.

The project was accepted by the Advisory Committee as techno-economically viable subject to obtaining clearance from Ministry of Environment and Forests from environmental angle for the project by Govt. of A.P. and compliance of various technical comments of CWC and other appraising agencies as mentioned in para 11.0 of TAC note and Para II of the supplementary note.

(Action :: State Government,
Planning Commission)

Sl.No. 6/1996-97 : Sri Rama Sagar Project Stage-II
CCA : Andhra Pradesh
Annual Irrigation : 2,37,600 ha.
Estimated Cost : 2,53,400 ha.
Rs. 697.7 cr. (SOR 1995-96)

The modified estimate of the project was received in CWC for Rs.1190.77 crore which was examined in CWC and cost was finalised as Rs. 697.7 crore. The Secretary(WR) desired to know the reasons for such a drastic reduction in the cost. The Director, Cost Engineering Dte. gave a brief account of various heads under which cost had been reduced. With reference to Para 12(ii) of the TAC note, the Advisor, Planning Commission stated that forest clearance is also required for the project because making modifications in the project to avoid reserve forest during construction may result in many changes in the project. This contention was accepted.

The Advisory Committee accepted the project as techno-economically viable subject to:-

1. Obtaining approval of APSEB for required quantum of energy and rates of energy for pumping the ground water.
2. Obtaining the forest clearance for the project.
3. Substantiation of the provisions in respect of

distributaries and minors, water course and drainage on the basis of microplanning of the command to an extent of 10% of the total CCA.

4. Compliance of various technical comments as listed in para 11.2 of the TAC note, by the Govt. of A.P.

(Action : State Government,
Planning Commission)

6 Sl.No. 7/1996-97 : Flood Flow Canal Project from SRSP
(High level Canal Project), Andhra Pradesh
CCA : 1,32,000 ha.
Annual Irrigation : 1,02,000 ha.
Estimated Cost : Rs. 1331.30 cr. (SOR 1992-93)

A brief discussion was held regarding B.C. Ratio of the project. The B.C. Ratio of the project comes to only 1.02. As the project benefits Nalgonda district which is a drought prone area, it was decided that project can be accepted for a B.C. Ratio lower than 1.5. The Advisory Committee decided to accept the project as techno-economically viable subject to the following conditions:-

1. The Govt. of A.P. shall obtain environmental clearance from Ministry of Environment & Forests, Govt. of India and Govt. of A.P. will submit a certificate that no forest land is involved in the project.

2. The Govt. of A.P. shall obtain clearance of R&R Plans from Ministry of Welfare, Govt. of India.

3. The Govt. of A.P. will obtain a certificate from State Agriculture Deptt. regarding rates of produce as Rs. 13,200 per ton for ground nut and Rs. 14,300 per ton for chillies at 1992-93 price level and furnish the same to CWC.

4. The Govt. of A.P. shall comply to the technical observation of CWC and other appraising agencies as mentioned in para 17 of the TAC note.

(Action : State Government,
Planning Commission)

The meeting ended with vote of thanks to the chair.

LIST OF PARTICIPANTSMEMBERS OF COMMITTEE

S/Shri

- | | |
|--|------------------|
| 1. M.S. Reddy, Secretary, Water Resources. | In the Chair |
| 2. Ramesh Chandra, Chairman, CWC. | Member |
| 3. R.K. Jain, Director, Dept. of Finance
(Representing Secretary (Expenditure)
Ministry of Finance). | Member |
| 4. M.D. Paliath, Director, Ministry of Welfare
(Representing Secretary, Ministry of Welfare). | Member |
| 5. R.S. Chadha, Director, CEA
(Representing Chairman, CEA). | Member |
| 6. P.J.S. Bhamrah, Director, CGWB
(Representing Chairman, CGWB). | Member |
| 7. B.N. Navalawala, Adviser (I&CAD),
Planning Commission | Member |
| 8. Kanwal Nath, JS&FA, MOWR. | Member |
| 9. S.C. Chitkara, Chief Engineer (PAO), CWC. | Member-Secretary |

Special Invitees:

1. Z. Hasan, Member (WP&P), CWC.
2. N. Sathyamurthy, Member (RM), CWC.
3. N.V.V. Char, Commissioner (ER), MOWR.
4. S.K. Agrawal, Jt. Commissioner (PR), MOWR.
(Representing Commissioner (PR), MOWR).
5. S.B. Srivastava, Jt. Commissioner (I), MOWR.
(Representing Commissioner (I), MOWR).

CWC and Other Officers:

1. S.L. Pahuja, Chief Engineer (PPO), CWC.
2. S.S. Singh, Jt. Advisor (I&CAD), Planning Commission.
3. A.B. Pal, Director (Project Appraisal - Central), CWC.
4. P.V. Rao, Director (Project Appraisal-North), CWC.
5. M.K. Sharma, Director, Cost Engineering (Irrigation), CWC.
6. A.S. Gupta, Dy. Advisor (I&CAD), Planning Commission.
7. A.K. Kharya, Dy. Director (PA-N), CWC.
8. B.B. Halder, Dy. Director (PA-N), CWC.
9. A.S.P. Sinha, Dy. Director (PA-C), CWC.
10. S.K. Srivastava, Dy. Director (PA-C), CWC.
11. Lalji, Dy. Director (PA-C), CWC.
12. R.K. Jain, Dy. Director (PA-S), CWC.
13. Kashindra Yadav, Dy. Director (EM), CWC.

State Government Officers: Himachal Pradesh

1. Smt. C.P. Sujaya, FC-cum-Secretary, I&PH, Government of HP.
2. S.M. Bhardwaj, Superintending Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.
3. S.L. Gulson, Assistant Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.
4. B.R. Sharma, Assistant Engineer, I&PH, Shah Nehar Circle, Nurpur, Dist. Kangra, HP.

Andhra Pradesh

1. Amitabh Bhattacharya, Secretary, Irrigation, Government of AP.
2. P.K. Agarwal, Secretary, Projects, Government of AP.
3. B. Rosaiah, Engineer-in-Chief, Irrigation Department, Hyderabad.
4. K.N. Raja Rao, Consultant (ISR), Government of AP, Hyderabad.
5. V. Subba Rao, Superintending Engineer, Irrigation Circle, Vijayawada, AP.
6. J.P. Subbaiah, Superintending Engineer, Pulichintala Project, Vijayawada, AP.
7. M.A. Rao, Superintending Engineer, NKLI Project, Mahbubnagar.

Rajasthan

1. R.D. Sharma, Addl. Chief Engineer, Kota Zone, Rajasthan.
2. R.P. Mathur, Assistant Engineer, Lift Irrigation, Sub-division, Kota, Rajasthan.

No. 16/27/96-PA(N)/ 937-290 Dt. 24/06/96.

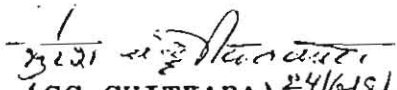
GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK PURAM, NEW DELHI-66.
FAX : 91-11-6875516.

Subject: 65th meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 14/06/96.

Find enclosed a copy of the Summary Record of discussions of the above mentioned meeting for information and necessary action please.

Encl.: aa.


(SC CHITRARA) 24/6/96
CE, PAO &
Member Secretary -
Advisory Committee.

Copy to:
MEMBERS OF COMMITTEE

S/Shri

1. Dr. M.S. Reddy, Secretary, Ministry of Water Resources, S.S. Bhawan, New Delhi.
2. Shri Ramesh Chandra, Chairman, CWC.
3. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
4. Secretary, Department of Power, S.S. Bhawan, New Delhi.
5. Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Secretary, Ministry of Welfare, Room No. 604, A-Wing, Shastri Bhawan, New Delhi.
8. Director General, ICAR, Krishi Bhawan, New Delhi.
9. Chairman, CEA, Sewa Bhawan, R.K. Puram, New Delhi.
- ✓ 10. Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Kanwal Nath, Financial Adviser, Ministry of Water Resources, S.S. Bhawan, New Delhi.
13. Chairman, Central Ground Water Board, NH-IV, CGO New Complex, Faridabad-121001.

Copy also to:

1. Member (D&R), CWC.
2. Z. Hasan, Member (WP&P), CWC.
3. G.R. Keskar, Member (RM), CWC.

4. K.C. Aggarwal, Commissioner (Projects), Ministry of Water Resources, S.S.Bhawan, New Delhi.
5. Commissioner (PP), Ministry of Water Resources, S.S.Bhaswan, New Delhi.
6. Commissioner (Indus), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
7. Commissioner (ER), Ministry of Water Resources, CGO Complex, Lodi Road, New Delhi.
8. S.L. Pahuja, Chief Engineer (PPO), CWC.
9. K.C. Manchanda, Chief Engineer (PMO), CWC.
10. V.K. Mathur, Chief Engineer (UGB), CWC, Jal Tarang Bhawan, Pratap Bagh, Aliganj, Lucknow - 226020.
11. Director (Project Appraisal - North), CWC.
12. Director (Project Appraisal - Central), CWC.
13. Director (Project Appraisal - South), CWC.
14. K.N. Keshri, Director (PPO N&S), CWC.
15. R.K. Khanna, Director (PPO), CWC.
16. M. Ganeshan, Director (ECO), CWC.
17. R.S. Goel, Director (EM) & (EIA), CWC.
18. O.P. Khanda, Director (M&A), CWC, Jal Tarang Bhawan, Pratap Bagh, Aliganj, Lucknow - 226020.

State Government Officers: Andhra Pradesh

1. P.K. Agarwal, Secretary(Irrigation), Government of AP, Secretariat, Hyderabad, (AP).
2. G. Prabhakar, Dy. Chief Engineer, Irrigation Department, Errum Manzil, Hyderabad, (AP) - 500 487.
3. Ch. Venkateshwara Rao, Superintending Engineer, Irrigation Construction Circle, Kurnool, (AP) - 518 005.
4. Y. Abdul Basheer, Executive Engineer(I&CAD), Kurnool, (AP).

Orissa

1. Dr. B.P. Das, Engineer-in-Chief(Water Resources), Bhubneshwar, (Orissa) - 400180.
2. K.C. Panda, Executive Engineer, Government of Orissa, K-11-12, NDSE - II, - 110 049.

Rajasthan

1. A.S. Kapoor, Chairman, IGNB, Bhawani Singh Road, Jaipur - 302 005.
2. S.P. Sharma, Chief Engineer, IGNP, Canal Colony, Bikaner - 334 002.
3. R.P. Mathur, Assistant Engineer, Lift Irrigation, Sub-division, Kota, Rajasthan.
4. P.D. Mahanandani, Superintending Engineer, IGNP, Bikaner - 334 002.
5. S.N. Mathur, PO, IGNB, Bhawani Singh Road, Jaipur - 302 005.
6. N.K. Agrawal, Assistant Engineer, IGNP, Canal Colony, Bikaner - 334 002.
7. R.K. Gupta, Assistant Engineer, IGNP, Canal Colony, Bikaner - 334 002.

Uttar Pradesh

1. Rajiv Kumar, Superintending Engineer, ICC, DA-7, Dhukwan Colony, Civil Lines, Jhansi - 284 001.
2. Mahendra Singh, Assistant Engineer, ICD, DA-4, Dhukwan Colony, Civil Lines, Jhansi - 284 001.

Copy forwarded for information to:

1. J Sinha, Consultant(PF-I), Dept. of Expenditure.
2. Dr. S.C. Verma, Jt. Director, Ministry of Environment & Forest.
3. N.K. Sahu, Jt. Project Director, Department of Agriculture & Cooperation, Crops Division.
4. N.C. Jain, Dy. Director, CEA.
5. Dr. A.N. Bhowmick, Member, CGWB.
6. Hemant Kumar, Dy. Adviser (I&CAD), Planning Commission.
7. A.S.Gupta, Dy. Adviser (I&CAD), Planning Commission.
8. S.B. Srivastava, Jt. Commissioner (I), MOWR.

Summary Record of discussions of the 65th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 14/06/96 at 1100 Hrs. in the Committee Room of Central Water Commission, New Delhi.

The 65th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held on 14/06/96 at 1100 Hrs. at New Delhi, under the Chairmanship of Secretary, Ministry of Water Resources. Welcoming the participants, the Chairman, requested the Member-Secretary to start the proceedings by taking up the Projects one after the other.

A list of participants is enclosed at Annexure - I.

Item No. I : Consideration of Projects by the Advisory Committee.

Irrigation Schemes

Sl. No. 10/96-97 : Patharai Irrigation Project,
(Medium), Uttar Pradesh.

CCA : 3509 ha.

Annual Irrigation : 2998 ha.

Estimated cost : Rs. 31.66 Crore (SOR 1994)

Superintending Engineer, Irrigation Construction Circle, Jhansi (UP), explained the revised Project proposal to the Committee.

Representative of Planning Commission, pointed out that concurrence of State Finance Department for updated cost of Rs. 31.66 Cr. is yet to be obtained by the Project Authorities. Superintending Engineer, UP, explained that the matter has already been taken up with the appropriate authorities and it is hoped that the clearance from State Finance Department will be received within two months.

Representative from Ministry of Environment & Forest and Director (EIA), Central Water Commission pointed out that no Report has been received regarding compliance of Environmental safeguards suggested by Ministry of Environment & Forest at the time of previous clearance and it was further suggested that implementation of these should be persued vigourously.

The Project Authorities were advised to furnish the following to Ministry of Environment & Forest and Central Water Commission:

1. R&R master plans to be prepared in detail and to be furnished as early as possible.

2. Catchment area treatment plan and it's quarterly implementation report.

3. Composition and proceedings of State level and Project level Environmental Monitoring Committee.

Superintending Engineer, UP explained that some measures have already been initiated in the last two years and further stress will be laid to speed up the balance work of environmental safeguards.

Since this is only a Revised Project, the same was accepted subject to concurrence of State Finance Department.

(Action : State Government/
Planning Commission)

Sl. No. 9/96-97 : Rengali Irrigation Sub Project LBC-II
(Major), Orissa.
CCA : 93501 ha.
Annual Irrigation : 177651 ha.
Estimated cost : Rs. 705.15 Crore (SOR 1995)

Chairman, Advisory Committee, enquired about the status of clearance of the project from Ministry of Environment & Forest & Social Welfare. The Project Authorities apprised the Committee about the status of clearance from Ministry of Environment & Forest and Ministry of Welfare and that the proposal for dereservation of forest area for whole of the Rengali Irrigation Project has been furnished by Government of Orissa to Ministry of Environment & Forest. Representatives of Ministry of Environment & Forest, informed that the compliance has mostly been done and the clearance is expected to be issued shortly. The Committee was informed that the processing of the clearance from Ministry of Welfare is in advanced stage and the clearance letter is likely to be issued shortly.

The Committee was informed that at the time of clearing the Rengali Irrigation Project earlier, Planning Commission had observed to consider the irrigation intensity of 140% and for completion of Soil Survey by the State and to review the cropping pattern. The irrigation intensity at 190% now proposed for this sub-Project was also discussed. It was informed that detailed soil surveys has now been done and the State Agriculture Department of Orissa has concurred for the irrigation intensity of 190%. The financial concurrence of the State Finance & Planning Department of Government of Orissa for the estimated cost of the project has also been received.

The project was found acceptable subject to arranging the following by Government of Orissa.

(i) The clearance from Ministry of Environment & Forest, regarding Environmental & Forest aspects, and

(ii) Clearance of R&R Plan from Ministry of Welfare. (The clearance from the Ministry of Welfare has since been received).

(Action : State Government/
Planning Commission)

Sl. No. 8/96-97 : K.C. Canal Modernisation Project (Major),
Andhra Pradesh.
CCA : 146200 ha.
Annual Irrigation : 110482 ha.
Estimated cost : Rs. 674.29 Crore (SOR 1994-95)

Chairman, Advisory Committee, enquired about the status of clearance of the project from Ministry of Environment & Forest and Ministry of Welfare. It was informed that this aspect has been discussed in the Environment Appraisal Committee meeting of Ministry of Environment & Forest.

Regarding clearance from Ministry of Welfare, the Committee felt that since only one ST family is affected, the same may be covered in Ministry of Environment & Forest clearance.

The issue raised by Ministry of Agriculture, about the crop yields adopted for the project was also considered. As the crop yields adopted are similar to those adopted in already approved Srisaillam Right Branch canal Project (SRBC Project) the Committee decided to adopt the crop yield as furnished by Agriculture Department of Government of Andhra Pradesh.

Regarding the regeneration of 2.6 TMC of water and availability of 2.5 TMC of ground water for conjunctive use, the Project Authorities assured to make available to CWC (i) the observed data on regeneration of flows & the report of CGWB regarding the conjunctive use of surface and ground water. The Project Engineers also assured the Committee to furnish the concurrence of APSEB regarding availability of power for exploitation of ground water to CWC. Member (WP&P) pointed out that regeneration should not be considered as additional water availability for the purpose of KWDT allocations.

The project was found acceptable subject to (i) Environmental clearance from Ministry of Environment & Forest and (ii) Submission of APSEB concurrence regarding availability of power for exploitation of ground water.

(Action : State Government/
Planning Commission)

Sl. No. 10/96-97 : Indira Gandhi Nahar Project stage-I,
(Extension, Renovation & Modernisation)
Major - Rajasthan.
CCA : 557600 ha.
Annual Irrigation : 557600 ha.
Estimated cost : Rs. 121.92 Crore (SOR 1992-93)

On being enquired about the status of clearnace of Ministry of Environment & Forest, the Project Authorities expressed t' view that this Project has been cleared earlier and since the Project envisages completion of the left over works of Stage-I, clearance from Ministry of Environment & Forest may not be required.

The Committee after considering all aspects found the Project acceptable subject to clearance from Ministry of Environment & Forest.

(Action : State Government/
Planning Commission)

Sl. No. 10/96-97 : Indira Gandhi Nahar Project stage-II,
(Major), Rajasthan.

CCA : 1316265 ha.

Annual Irrigation : 859115 ha.

Estimated cost : Rs. 1398.00 Crore (SOR 1992-93)

The Committee was informed that the project authorities have not been able to furnish the monthly working table for establishing the success rate of 75% required for Irrigation Projects. The Chairman, TAC enquired about the problems in regard to the prepartion of integrated monthly working tables for establishing the irrigation success rate in the Project. The Project Authorities explained their practical problems in this regard and this was taken note of. Thereupon, Member(WP&P), Central Water Commission clarified to the Project Authorities that upto 50% dependable flow may be considered for Project in Drought Prone Areas but the irrigation success rate has to be kept as 75% with the final scenario of development of the system and attempt should be made for preparation of integrated working tables for establishing irrigation success rate.

Regarding clearance from Ministry of Environment & Forest, the Committee decided that since there is no change in water utilisation, Gross Command Area etc. the clearance from Ministry of Environment & Forest for this Project may not be required.

The Committee was also informed that Stage-I was approved for 110% intensity of irrigation and the Project Authorities have now proposed an irrigation intensity of 100% for Stage-I. The saving of water resulting will be utilised for Stage-II. The Committee took note of this.

The Project was found acceptable.

(Action : Planning Commission)

The meeting ended with vote of thanks to the chair.

LIST OF PARTICIPANTSMEMBERS OF COMMITTEE

S/Shri

- | | |
|---|------------------|
| 1. M.S. Reddy, Secretary, Water Resources. | In the Chair |
| 2. Ramesh Chandra, Chairman, CWC. | Member |
| 3. J Sinha, Consultant(PF-I), Dept. of Expenditure
(Representing Secretary (Expenditure)
Ministry of Finance). | Member |
| 4. Dr. S.C. Verma, Jt. Director, Ministry of
Environment & Forest
(Representing Secretary, MOEF). | Member |
| 5. N.K. Sahu, Jt. Project Director, Department of
Agriculture & Cooperation, Crops Division
(Representing Secretary, Agri. & Coop.) | Member |
| 6. N.C. Jain, Dy. Director, CEA
(Representing Chairman, CEA). | Member |
| 7. Dr. A.N. Bhowmick, Member, CGWB
(Representing Chairman, CGWB). | Member |
| 8. Hemant Kumar, Dy. Adviser (I&CAD) and | |
| 9. A.S.Gupta, Dy. Adviser (I&CAD)
(Representing Adviser (I&CAD), Planning Commission) | Member |
| 10. Kanwal Nath, JS&FA, MOWR. | Member |
| 11. S.C. Chitkara, Chief Engineer (PAO), CWC. | Member-Secretary |

Special Invitees:

1. Z. Hasan, Member (WP&P), CWC.
2. G.R. Keshkar, Member (RM), CWC.
3. K.C. Aggarwal, Commissioner (PR), MOWR.
4. S.B. Srivastava, Jt. Commissioner (I), MOWR.
(Representing Commissioner (I), MOWR).

CWC and Other Officers:

1. S.L. Pahuja, Chief Engineer (PPO) & (BPMO), CWC.
2. K.C. Manchanda, Chief Engineer (PMO), CWC.
3. V.K. Mathur, Chief Engineer (UGB), CWC, Jal Tarang Bhawan,
Pratap Bagh, Aliganj, Lucknow - 226020.
4. K.N. Keshri, Director (PPO N&S), CWC.
5. R.K. Khanna, Director (PPO), CWC.
6. M. Ganeshan, Director (ECO), CWC.
7. R.S. Goel, Director (EM) & (EIA), CWC.
8. O.P. Khanda, Director (M&A), CWC, Jal Tarang Bhawan,
Pratap Bagh, Aliganj, Lucknow - 226020.
9. A.K. Kharya, Dy. Director (PA-N), CWC.
10. B.B. Halder, Dy. Director (PA-N), CWC.
11. S.K. Srivastava, Dy. Director (PA-C), CWC.
12. R.K. Jain, Dy. Director (PA-S), CWC.
13. V.K.R. Das, Dy. Director (PPO), CWC.
14. Jalal-uddin, Dy. Director (PPO), CWC.
15. I.S. Gupta, Asst. Director (PPO), CWC.
16. S.B. Dey, Extra Asst. Director (PA-N), CWC.
17. P.K. Burman, Extra Asst. Director (PA-N), CWC.
18. R.N. Dakshy, Extra Asst. Director (PA-N), CWC.

State Government Officers: Andhra Pradesh

1. P.K. Agarwal, Secretary(Irrigation), Government of AP, Secretariat, Hyderabad, (AP).
2. G. Prabhakar, Dy. Chief Engineer, Irrigation Department, Errum Manzil, Hyderabad, (AP) - 500 487.
3. Ch. Venkateshwara Rao, Superintending Engineer, Irrigation Construction Circle, Kurnool, (AP) - 518 005.
4. Y. Abdul Basheer, Executive Engineer(I&CAD), Kurnool, (AP).

Orissa

1. Dr. B.P. Das, Engineer-in-Chief(Water Resources), Bhubneshwar, (Orissa) - 400180.
2. K.C. Panda, Executive Engineer, Government of Orissa, K-11-12, NDSE - II, - 110 049.

Rajasthan

1. A.S. Kapoor, Chairman, IGNB, Bhawani Singh Road, Jaipur - 302 005.
2. S.P. Sharma, Chief Engineer, IGNP, Canal Colony, Bikaner - 334 002.
3. R.P. Mathur, Assistant Engineer, Lift Irrigation, Sub-division, Kota, Rajasthan.
4. P.D. Mahanandani, Superintending Engineer, IGNP, Bikaner - 334 002.
5. S.N. Mathur, PO, IGNB, Bhawani Singh Road, Jaipur - 302 005.
6. N.K. Agrawal, Assistant Engineer, IGNP, Canal Colony, Bikaner - 334 002.
7. R.K. Gupta, Assistant Engineer, IGNP, Canal Colony, Bikaner - 334 002.

Uttar Pradesh

1. Rajiv Kumar, Superintending Engineer, ICC, DA-7, Dhukwan Colony, Civil Lines, Jhansi - 284 001.
2. Mahendra Singh, Assistant Engineer, ICD, DA-4, Dhukwan Colony, Civil Lines, Jhansi - 284 001.

No. 16/27/96-PA(N)/273-329

Dt. 17/02/97.

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK PURAM, NEW DELHI-66.
FAX : 91-11-6875516.

Subject: 66th meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 4/02/97.

Find enclosed a copy of the Summary Record of discussions of the above mentioned meeting for information and necessary action please.

Encl.: aa.

वि. और नि. न. व. प्रभाग
I & C.A.D. Division
हावरी सं. 6.4.23(9)
Dy. No.
दिनांक 21/2/97
Date

(SC CHITKARA)
CE, PAO &
Member Secretary -
Advisory Committee.

Copy to:

MEMBERS OF COMMITTEE

S/Shri

- | | |
|--|--------------|
| 1. Mata Prasad, Secretary, Water Resources. | In the Chair |
| 2. Ramesh Chandra, Chairman, CWC. | Member |
| 3. B.N. Navalawala, Adviser (I&CAD)
Planning Commission | Member |
| 4. B.K. Aggarwal, Chief Engineer,
(Representing Chairman, CEA). | Member |
| 5. Mrs. Amita Paul, Director
(Representing Secretary, Ministry of Welfare) | Member |
| 6. R. Ranjan, Director (Finance)
(Representing Financial Adviser, MQWR) | Member |
| 7. D.S.S. Murthy, Director, CGWB,
(Representing Chairman, CGWB). | Member |
| 8. S. Bhowmik, Addl. Director,
(Representing Secretary, MOEF). | Member |
| 9. A.K. Raina, Asstt. Director
(Representing Secretary (Expenditure)
Ministry of Finance). | Member |
| 10. Secretary, Department of Power, S.S. Bhawan, New Delhi. | Member |
| 11. Director General, ICAR, Krishi Bhawan, New Delhi. | Member |
| 12. Secretary, Department of Agriculture & Cooperation,
Krishi Bhawan New Delhi. | Member |
| 13. Advisor (Energy), Planning Commission, Yojna Bhawan,
New Delhi. | Member |

1. Z. Hasan, Member (WP&P), CWC.
2. N. Suryanarayana, Member (RM), CWC.
3. N.V.V. Char, Chairman-in-charge, Brahmaputra Board & Commissioner (ER), MOWR.
4. K.C. Manchanda, Chief Engineer (PMO), CWC.
5. Suresh Chandra, Chief Engineer (FM), CWC.
6. P.V. Rao, Director (PA-N), CWC.
7. K.N. Keshri, Director (EIA), CWC.
8. M.K. Sinha, Director (PA-S), CWC.
9. S.K. Srivastava, Director (PA-C), CWC.
10. B.G. Kaushik, Director (PPO-C), CWC.
11. L.D. Jangde, Director, CE(I), CWC.
12. B.B. Halder, Dy. Director (PA-N), CWC.
13. Lalji, Dy. Director (PA-C), CWC.
14. Jalal-Uddin, Dy. Director (PPO-C), CWC.
15. Lalit Kumar, Dy. Director (Monitoring & Appraisal), CWC, Jaipur.
16. B.M. Jha, Scientist-D, CGWB, Faridabad.
17. M.P. Singh, Dy. Director, CEA.
18. Deena Nath, Sr. Investigator, Ministry of Finance, Dept. of Expenditure.

State Government Officers:

Orissa

1. R.N. Senapati, Secretary, Water Resources, Govt. of Orissa.
2. Dr. B.P. Das, Engineer-in-Chief (Water Resources), Bhubneshwar.
3. K.C. Panda, Executive Engineer, Government of Orissa, K-11-12, NDSE - II, New Delhi-110 049.

Rajasthan

1. H.K. Hingorani, Chief Engineer, Irrigation (IDR), Jaipur.
2. Krishna Chandra, Director MIS (Irrigation Deptt.).
3. T.M. Shah, Executive Engineer, SE I Dn., Irrigation Deptt., Udaipur.
4. Bhupendra Mehta, Asstt. Engineer, S&I Dn., Udaipur.
5. G.L. Arora, Asstt. Engineer, S&I Dn., Irrigation Deptt., Udaipur.

Uttar Pradesh

1. B.S. Lali, Principal Secretary, Govt. of Uttar Pradesh, Lucknow.
3. Ram Singh, CE (Saryu), Irrigation Deptt., Faizabad.
3. Roop Chand, Chief Engineer, Irrigation, U.P.
4. S.K. Agrawal, SE I & P (F), Lucknow.
5. Rakesh Mohan, Ex. Engineer, CBNK, Balrampur.
6. O.P. Singhal, Liaison Officer, Govt. of U.P., New Delhi.

Gujarat

1. V.M. Yagnik, SE, NWRD, Govt. of Gujarat, Gandhinagar, Gujarat.
2. S.H. Trivedi, Dy. Ex. Engineer, NWRD, Govt. of Gujarat, Sachivalaya, Gandhinagar, Gujarat.
3. P.I. Patel, Ex. Engineer, NWRD, Govt. of Gujarat, Gandhinagar.
4. Y.H. Valikarimwala, Asstt. Engineer, Narmada & Water Resources, Vadodara.

Assam

1. P. Neog, Secretary, Govt. of Assam, Irrigation Department, Guwahati.
2. P.C. Kalita, Chairman, CAD Authority, Upper Assam.
3. K. C. Sarma, Add. Chief Engineer, F.C. Deptt., Guwahati.
4. J.N. Mazumdar, Ex. Engineer, Irrigation Deptt., Assam.

Brahmaputra Board Officers

1. S.F. Chakravorty, General Manager, Brahmaputra Board, Guwahati.
2. K.K. Sharma, Ex. Engineer, Liaison Office, Palika Bhavan, New Delhi.
3. R.M. Das, Ex. Engineer, Brahmaputra Board, Guwahati.

Summary Record of discussions of the 66th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 4/02/97 at 1100 Hrs. in the Committee Room of Central Electricity Authority, Sewa Bhawan, R.K.Puram, New Delhi.

The 66th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held on 4/02/97 at 1100 Hrs. at New Delhi, under the Chairmanship of Secretary, Ministry of Water Resources. The Chairman, Advisory Committee welcomed the participants and requested them to introduce themselves. Thereupon he requested the Member-Secretary to start the proceedings by taking up the Projects one by one.

A list of participants is enclosed at Annexure - I.

CONSIDERATION OF PROJECTS BY THE ADVOSORY COMMITTEE

Irrigation Projects

Sl. No. 26/96-97 : Lower Suktel Irrigation Project, Orissa
CCA : 23500 ha.
Annual Irrigation : 29845 ha.
Estimated cost : Rs. 217.1279 Crore

Chairman, Advisory Committee requested the representatives of Orissa to present briefly the project proposals for consideration of the Committee. Accordingly, Engineer-in-Chief, Irrigation Department, Government of Orissa explained the project proposals and requested the Committee to accept the proposal in view of drought conditions prevailing in the District Bolangir and visit of the Hon'ble Prime Minister to the affected area. The Chairman, Advisory Committee desired to know the problems in complying the outstanding comments (as mentioned on page 5 & 6 of the TAC Note), such as clearance of the project by the Ministry of Environment and Forests, including clearance for submergence of forest land; concurrence of State Finance Department and Planning Department for the cost estimate as finalised in CWC; clearance of Ministry of Welfare for R&R of tribal population, conjunctive use of surface and ground water, possibilities of participatory management, dam design aspects and so on.

The Engineer-in-Chief, Orissa assured that necessary clearance of MOE&F and MOW will be obtained within three months period and other outstanding comments attended to. The Adviser, I&CAD, Planning Commission, affirmed the need for following single window clearance procedure instead of accepting the proposal subject to clearance of MOW/MOE&F etc. The Advisor (I&CAD), Planning Commission pointed out that in view of drought conditions in the area crops which require less water than paddy

should be considered for covering more command area by following the principle of extensive irrigation. Engineer-in-Chief, Irrigation Deptt., Orissa assured that the study would be carried out. After discussion the Advisory Committee accepted the project subject to condition that necessary clearance of MOE&F and MQW, concurrence of State Finance Department for modified cost and compliance of other observations should be completed within six months.

(Action : State Government)

Sl. No. 27/96-97 : Lower Indra Irrigation Project, Orissa
CCA : 29900 ha.
Annual Irrigation : 38,870 ha.
Estimated cost : Rs. 211.70 Crore

Explaining the project proposal and urgency of irrigation facilities required to be provided in Kalahandi District which is drought prone, the Engineer-in-Chief, Irrigation Department, Government of Orissa requested the Advisory Committee to accept the proposal. The Chairman pointed out about the outstanding comments and desired to know the problems/status in compliance of the outstanding comments of this project which were more or less similar to the outstanding comments in case of Lower Sultel Project.

The Engineer-in-Chief explained the position of clearance required from MOEF and MQW and assured that requisite clearance would be obtained and other outstanding comments complied within six months. Representative from Ministry of Welfare, stated that Govt. of Orissa should give an undertaking that R&R Plan will conform to National Rehabilitation Policy as and when approved. After some discussion, Advisory Committee accepted the project subject to condition that necessary clearance of MOEF and MQW, and compliance of other observations should be completed within six months.

(Action : State)

Sl. No. 29/96-97 : Subernarekha Irrigation Project (Major),
Orissa
CCA : 109627 ha.
Annual Irrigation : 187462 ha.
Estimated cost : Rs. 1013.68 Crore
(Rs. 790.32 Crore for works in Orissa +
Rs. 223.36 Crore Orissa share cost for
common work in Bihar)

Engineer-in-Chief, Government of Orissa explained in brief about the project. Member Secretary pointed out that the project was accorded investment clearance by the Planning Commission in December, 1995 for Rs. 790.32 Crore. In this clearance the share cost of Orissa for common works in Bihar amounting to Rs. 223.36 crore was not included though the same was considered in B.C. Ratio calculations. He added that in order to include this share cost the supplementary TAC note has been put up to TAC. Representative of Ministry of Welfare desired to know about R&R aspects of Ichha Dam which was explained by Engineer-in-Chief, Government of Orissa. The project note was found acceptable by the Advisory Committee.

(Action : Planning Commission)

Sl. No. 24/96-97 : Bandisendra Medium Irrigation Project,
Rajasthan
CCA : 2784 ha.
Annual Irrigation : 4091 ha.
Estimated cost : Rs. 13.041 Crore

The correction made in the TAC Note circulated with the Agenda regarding canal transmission efficiency was read out by Member-Secretary.

After detailed discussion the project was found acceptable by the Advisory Committee subject to the clearance of R&R Plan from the Ministry of Welfare, Government of India, and concurrence of State Finance Department for finalised cost within six months.

(Action : State Government/
Planning Commission)

Sl. No. 25/96-97 : Sukli Medium Irrigation Project, Rajasthan
CCA : 3978 ha.
Annual Irrigation : 3889 ha.
Estimated cost : Rs. 18.698 Crore (SOR 1994-95)

After brief discussion the Project was accepted by the TAC subject to the Concurrence of R&R Plan from the Ministry of Welfare, Government of India, and concurrence of State Finance Department within six months.

(Action : State Government/
Planning Commission)

Sl. No. 22/96-97 : Goma Irrigation Scheme, Gujarat.
CCA : 4804 ha.
Annual Irrigation : 7039 ha.
Estimated cost : Rs. 47.59 Crore

After a brief discussion the Advisory Committee decided to accept the project as techno-economically viable and recommended for investment clearance subject to the concurrence of the State Finance Department for the updated cost.

(Action : State Government/
Planning Commission)

Sl. No. 28/96-97 : Upper Beda Medium Irrigation Project, M.P.
CCA : 9900 ha.
Annual Irrigation : 13365 ha.
Estimated cost : Rs. 89.5146 Crore (SOR 1995-96)

The representative of the Ministry of Environment and Forests pointed out that since the cost of the project is more than Rs. 50 Crore, the project is required to be cleared from the environmental angle in accordance with para 3(b) of Environment Impact Assessment Notification 1994 (as amended on 4.5.1994). Director, EIA, CWC asserted that according to Item No. 2.3(i) of Forest Conservation Act, 1980 (as amended on October 25, 1992), all Hydel Projects, Irrigation Projects with a command area of over 10,000 ha. and all mining projects involving diversion of forest area of more than 20 ha. should require clearance from the environmental angle. Therefore, only such proposals shall be simultaneously referred to the Environment Wing of the MOE&F for clearance from environmental angle alongwith the proposals for forest clearance. Member (WP&P) and Advisor (I&CAD) also opined that the condition for environmental clearance of medium projects should be delinked from the cost criteria rather it should be on physical basis. Finally, the project was accepted subject to the

clearance from MOE&F, State Finance Department and Ministry of Welfare within six months.

(Action : State Government/
Planning Commission)

Sl. No. 31/96-97 : Chittaurgarh Reservoir Project, U.P.
CCA : 22834 ha.
Annual Irrigation : 16098 ha.
Estimated cost : Rs. 34.0646 Crore

Chief Engineer, UP Irrigation Department explained in brief about the project. He informed that construction of the project was started in 1977 and presently almost 80% of the work has been completed which started yielding benefits also. Director, Ministry of Welfare, desired to know if there are any SC/ST families affected by the project. The representatives of UP State confirmed that out of the 16 families displaced from the submergence area of the project, no tribal population is involved and as such no clearance from Ministry of Welfare is required. It was also informed that arrangements for resettlement and rehabilitation of those 16 families has already been made. Chairman, CWC pointed out that this project was started prior to the enactment of Forest Conservation Act and for that reason forest clearance for the project may not have been obtained. According to the project authorities, the cost of forest land as well as cost of plantation have already been paid to the Forest Department.

The project has been accepted by the Advisory Committee subject to the following observations:

- (i) Obtaining clearance of Ministry of Environment and Forests from R&R aspects and Forest angle.
- (ii) Examination by the State CDO the additional provisions for the spillway.
- (iii) Obtaining concurrence of State Finance for the finalised cost.

(Action: State Government/
Planning Commission)

Sl. No. 23/96-97 : Modernisation of Jamuna Irrigation
Project, Assam.
CCA : 27705 ha.
Additional benefits : 13758 ha.
due to modernisation
Estimated cost : Rs. 60.27 Crore (SOR 1995-96)

The Project, being a modernisation scheme in the North-Eastern Region was accepted subject to the following conditions:

- (i) Concurrence of the State Finance Department for the updated cost.
- (ii) The review of design flood studies to be taken up by the State Government at the earliest.
- (iii) The overall efficiency accepted as 60% to be revised in actual operation (say five years) and cropping pattern modified, if needed subsequently and CWC informed accordingly.

(Action : State Government/
Planning Commission)

Drainage Schemes

Sl. No. 30/96-97 : Drainage of Patidarang and its adjoining
Low-lying area under Mangaldai Civil
Sub-Division
Estimated Cost : Rs. 7.65 Crore
Area Benefitted : 41.08 Sq.Km.
Population Benefitted : 84,375

Chairman-in-charge, Brahmaputra Board and Commissioner (ER), MOWR explained briefly about the scheme. He informed that the scheme is to be financed under Grant-in-aid.

The scheme with a B.C. Ratio of 2.48 was found acceptable by the Committee.

(Action: Planning Commission/
Flood Control Deptt./
Government of Assam)

1. No. 32/96-97 : Harang Sub-Basin Drainage Development Scheme, Assam.
Estimated Cost : Rs. 10.81 Crore
Area Benefitted : 11,850 ha.
Population Benefitted : 41,540

Chairman-in-Charge, Brahmaputra Board and Commissioner (ER), MOWR explained in brief about the scheme. He mentioned that the scheme, originally envisaged under the North East Council, is one of the schemes of the Prime Minister's package for the North-Eastern Region. He informed that the Brahmaputra Board will be executing the scheme and this is the first scheme to be executed by Brahmaputra Board. The Advisor (I&CAD), Planning Commission pointed out that under the Brahmaputra Board Act, 1980, no project can be taken up by the Board unless the State Government make available land free of cost for this purpose and also undertake to take over the maintenance in the post construction stage. He wanted to know whether the concurrence of the State Government had been obtained. Officers of the Brahmaputra Board clarified that Government of Assam have furnished a "No Objection Certificate" for implementation of the scheme by the Board and if any private lands are to be acquired, Brahmaputra Board will have to pay the compensation although the action to acquire the land will be taken by the Assam Government.

The scheme was found acceptable.

(Action : Planning Commission/
Brahmaputra Board)

The meeting ended with vote of thanks to the Chair.

LIST OF PARTICIPANTSMEMBERS OF COMMITTEE

S/Shri

- | | |
|--|------------------|
| 1. Mata Prasad, Secretary, Water Resources. | In the Chair |
| 2. Ramesh Chandra, Chairman, CWC. | Member |
| 3. B.N. Navalawala, Adviser (I&CAD)
Planning Commission | Member |
| 4. B.K. Aggarwal, Chief Engineer,
(Representing Chairman, CEA). | Member |
| 5. Mrs. Amita Paul, Director
(Representing Secretary, Ministry of Welfare) | Member |
| 6. R.Ranjan, Director (Finance),
(Representing Financial Adviser, MOWR) | Member |
| 7. D.S.S. Murthy, Director, CGWB,
(Representing Chairman, CGWB). | Member |
| 8. S.Bhowmik, Addl. Director,
(Representing Secretary, MOEF). | Member |
| 9. A.K. Raina, Asstt. Director
(Representing Secretary (Expenditure)
Ministry of Finance). | Member |
| 10 S.C. Chitkara, Chief Engineer (PAQ), CWC. | Member-Secretary |

Special Invitees:

1. Z. Hasan, Member (WP&P), CWC.
2. N. Suryanarayanan, Member (RM), CWC
3. N.V.V. Char, Chairman-in-charge,
Brahmaputra Board & Commissioner (ER), MOWR.

CWC and other Officers:

1. K.C. Manchanda, Chief Engineer (PMO), CWC.
2. Suresh Chandra, Chief Engineer (FM), CWC.
3. P.V. Rao, Director (PA-N), CWC.
4. K.N. Keshri, Director (EIA), CWC.
5. M.K. Sinha, Director (PA-S), CWC.
6. S.K. Srivastava, Director (PA-C), CWC.
7. B.G. Kaushik, Director (PPO-C), CWC.
8. L.D. Jangde, Director, CE(I), CWC.
9. B.B. Haldar, Dy. Director (PA-N), CWC.
10. Lalji, Dy. Director (PA-C), CWC.
11. Jalal-Uddin, Dy. Director (PPO-C), CWC.
12. Lalit Kumar, Dy. Director (Monitoring & Appraisal), CWC,
Jaipur.
13. B.M. Jha, Scientist-D, CGWB, Faridabad.
14. M.P. Singh, Dy. Director, CEA.
15. Deena Nath, Sr. Investigator, Ministry of Finance, Dept. of
Expenditure.

State Government Officers:

Orissa

1. R.N. Senapati, Secretary, Water Resources, Govt. of Orissa.
2. Dr. B.P. Das, Engineer-in-Chief (Water Resources), Bhubneshwar.
3. K.C. Panda, Executive Engineer, Government of Orissa, K-11-12, NDSE - II, New Delhi-110 049.

Rajasthan

1. H.K. Hingorani, Chief Engineer, Irrigation (IDR), Jaipur.
2. Krishna Chandra, Director MIS (Irrigation Deptt.).
3. T.M. Shah, Executive Engineer, SE I Dn., Irrigation Deptt., Udaipur.
4. Bhupendra Mehta, Asstt. Engineer, S&I Dn., Udaipur.
5. G.L. Arora, Asstt. Engineer, S&I Dn., Irrigation Deptt., Udaipur.

Uttar Pradesh

1. B.S. Lali, Principal Secretary, Govt. of Uttar Pradesh, Lucknow.
3. Ram Singh, CE (Saryu), Irrigation Deptt., Faizabad.
3. Rood Chand, Chief Engineer, Irrigation, U.P.
4. S.K. Agrawal, SE I&P (FY), Lucknow.
5. Rakesh Mohan, Ex. Engineer, CBNK, Balrampur.
6. O.P. Singhal, Liaison Officer, Govt. of U.P., New Delhi.

Gujarat

1. V.M. Yagnik, SE, NWRD, Govt. of Gujarat, Gandhinagar, Gujarat.
2. S.H. Trivedi, Dy. Ex. Engineer, NWRD, Govt. of Gujarat, Sachivalaya, Gandhinagar, Gujarat.
3. P.I. Patel, Ex. Engineer, NWRD, Govt. of Gujarat, Gandhinagar.
4. Y.H. Valikarimwala, Asstt. Engineer, Narmada & Water Resources, Vadodara.

Assam

1. P. Neog, Secretary, Govt. of Assam, Irrigation Department, Guwahati.
2. P.C. Kalita, Chairman, CAD Authority, Upper Assam.
3. K. C. Sarma, Addl. Chief Engineer, F.C. Deptt., Guwahati.
4. J.N. Mazumdar, Ex. Engineer, Irrigation Deptt., Assam.

Brahmaputra Board Officers

1. S.K. Chakravorthy, General Manager, Brahmaputra Board, Guwahati.
2. K.K. Sharma, Ex. Engineer, Liaison Office, Palika Bhavan, New Delhi.
3. R.M. Das, Ex. Engineer, Brahmaputra Board, Guwahati.

No. 16/27/96-PA(N)/ DL. 1402-36
GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK PURAM, NEW DELHI-66.
FAX : 91-11-6875516.

Subject : 67th meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 09/09/97.

Find enclosed a copy of the Summary Record of discussions of the above mentioned meeting for information and necessary action please.

Encl.: aa.

(Signature)
16/9/97
(SC CHITKARA)
CE, PAO &
Member Secretary
Advisory Committee

Copy to:

S/Shri

- | | |
|---|--------------|
| 1. Mata Prasad, Secretary, Water Resources | In the Chair |
| 2. Ramesh Chandra, Chairman, CWC. | Member |
| 3. Mahendra Singh, Asstt. Director (Representing Secretary (Expenditure), Ministry of Finance). | Member |
| 4. Secretary (Power), SS Bhavan, Ministry of Power, New Delhi. | Member |
| 5. Secretary (Environment & Forests), CGO Complex, MOEF, New Delhi | Member |
| 6. Secretary, Deptt. of Agriculture & Coop., Krishi Bhavan, New Delhi | Member |
| 7. MD Paliath, Director, (Representing Secretary, Ministry of Welfare). | Member |
| 8. BR Sharma, Asst. Director-General (IWM), (Representing Director-General ICAR). | Member |
| 9. MP Singh, Deputy, Director, (Representing Chairman, CEA). | Member |
| 10. Capt. (Ex) SS Singh, Jt. Advisor, (Representing Advisor (I&CAD), Planning Commission) | Member |
| 11. Advisor (Energy), Planning Commission | Member |
| 12. Shailendra Pandey, Financial Advisor, MOWR, SS Bhavan, New Delhi. | Member |
| 13. AR Bakshi, Scientist D, (Representing, Chairman, CGWB). | Member |

Copy also to:-

1. Member (D&R), CWC.
2. Member (WF&F), CWC.
3. TD Sundarababu, Member (RM), CWC.
4. RK Parashar, Commissioner (Projects), MOWR.
5. SC Sud, Commissioner (Indus), MOWR.
6. Commissioner (FP), MOWR
7. Commissioner (IR), MOWR
8. K C. Manchanda, Chief Engineer (FMO), CWC.

*Please put up in the file
and send to RO/SROs concerned.
Section *(Signature)*
18/09/97*

9. Chief Engineer (PPO), CWC.
10. Chief Engineer (FMO), CWC.
11. SC Chadha, Chief Engineer (Indus), CWC, Chandigarh.
12. AK Chakrabarti, Chief Engineer (BB Basin), CWC, Shillong.
13. Chief Engineer (Upper Ganga Basin), CWC, Lucknow.
14. Chief Engineer (Narmada Basin), CWC, Bhopal.
15. PV Rao, Director (PA-N), CWC.
16. MK Sinha, Director (PA-S), CWC.
17. ASP Sinha, Director (PA-C), CWC.
18. KN Keshri, Director (EIA), CWC.
19. RK Khanna, Director, CA(I), CWC.
20. YK Sharma, SE(C), Indus Basin, Chandigarh, CWC.
21. Jatinder Kumar, US(B&T), MOWR.
22. Avinash Mishra, SRO, I&CAD, Planning Commission.

State Government Officers:

Assam

1. Secretary, Irrigation, Government of Assam, Secretariat, Gauhati (Assam).
2. S Sen, Chief Engineer, Irrigation Department, Chandmari, Guwahati - 3, Assam.
3. P Debnath, Executive Engineer, Karbi Anglong, Irrigation Deptt., Assam.
4. R Amin, Assistant Executive Engineer, Karbi Anglong, Irrigation Deptt., Assam.

Himachal Pradesh

1. Arvind Kaul, Financial Commissioner cum Secretary (IPH), Govt. of Himachal Pradesh, HP - 171002
2. Abhigya Chauhan, Chief Engineer (Project), I&PH, Shimla.

Jammu & Kashmir

1. Secretary, Irrigation & Power IIE Department, Government of J&K, Civil Secretariat, Srinagar - 191001.
2. Inderjit Singh, Chief Engineer, Irrigation & Flood Control Department, Jammu

Madhya Pradesh

1. MS Billore, Advisor, NVDA, Narmada Bhavan, Tulsi Nagar, Bhopal, Madhya Pradesh
2. AM Naik, Member (Engineering), NVDA, Narmada Bhavan, Tulsi Nagar, Bhopal, Madhya Pradesh.

Manipur

1. Secretary (IEC), Irrigation & Power Department, Government of Manipur, Imphal - 795001
2. K Ibombia Singh, Superintending Engineer, Irrigation & Flood Control Deptt., Manipur.

Uttar Pradesh

1. Secretary, Irrigation Department, Government of Uttar Pradesh, Lucknow (UP) - 226001.
2. Engineer-in-Chief, Irrigation Department, Government of Uttar Pradesh, 4-Canal Colony, Lucknow (UP) - 226001
3. FM Siddiqui, Superintending Engineer, IWC, Kanpur, Uttar Pradesh
4. Shri Prakash Singh, EE, Irrigation Division -2, Irrigation Deptt., Allahabad.
5. IA Rizvi, AE-III, Irrigation Division -2, Irrigation Deptt., Allahabad.

**Summary Record of discussions of the 67th Meeting of
Advisory Committee on Irrigation, Flood Control and
Multipurpose Projects held on 09/09/97 at 1100 Hrs.
in the Committee Room of Central Water
Commission, Sewa Bhawan, R.K.Puram, New Delhi.**

The 67th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held under the Chairmanship of Secretary, Ministry of Water Resources on 09/09/97 at 1100 Hrs. at Sewa Bhawan, R.K.Puram, New Delhi.

Secretary (WR) welcomed the participants and requested them to introduce themselves. Subsequently, he called upon the Member Secretary to take up the projects for discussion as per the Agenda. Brief of discussions on the projects is as under.

A list of participants is enclosed at Annexure - I

ITEM - I CONSIDERATION OF PROJECTS BY THE ADVISORY COMMITTEE

Irrigation Projects

Sl.No.1 : Bhabour Sahib Lift Irrigation Project, Phase-II (Medium-Revised), H.P.

CCA	2640 ha.
Annual Irrigation	3432 ha.
Estimated cost	Rs. 11.42 Crore

The representative of Government of Himachal Pradesh briefly explained about the project and informed that an expenditure of Rs. 11.35 Cr. had already been incurred and the project is likely to be completed during the current financial year, 1997-98. He also clarified that neither displacement of people nor diversion of forest land is involved in the project. It was agreed that no clearance is required from MOEF. The project was accepted by the Advisory Committee, subject to concurrence from State Finance Deptt. According to the State Representative, concurrence of State Finance Department had already been obtained and copy of the same will be communicated to CWC and Planning Commission.

(Action : State Government/Planning Commission)

Sl.No.2 Sidhata Irrigation Project (Medium), H.P.

CCA	3150 ha.
Annual Irrigation	5348 ha.
Estimated cost	Rs. 33.62 Crore

The Chief Engineer (Project), I&PE Deptt., Government of Himachal Pradesh briefly presented the project and informed that concurrence of the State Finance Deptt., for taking up the project, had been obtained. He mentioned that no expenditure had yet been made on the project. Secretary, WR

pointed out that the clearance of Finance Deptt. was subject to the fulfillment of a number of conditions laid down and also the estimated cost was different. Therefore, a revised clearance from Finance Deptt. may be submitted. The State representative informed that they were exploring the possibility of assistance from NABARD as well as some other sources. To a query from Secretary (WR), Chief Engineer (PAO), CWC clarified that since the forest land involved is only 5 ha. and no displacement of population is involved, clearance from MOEF is not required. It was further mentioned that clearance of Regional Conservation of Forests would, however, be required. The representative from the State informed that the case had already been submitted for obtaining the forest clearance from the concerned authorities.

The project was found acceptable by the Advisory Committee, subject to forest clearance and clearance from State Finance Department.

(Action : State Government/Planning Commission)

Sl.No.3 : Jangrauli Irrigation Canal Project (Major), U.P.

CCA	64495 ha.
Annual Irrigation	39748 ha. (additional)
Estimated cost	Rs. 47.92 Crore

The representative of Govt. of U.P. explained briefly about the project and stated that an amount of Rs. 2.92 Cr. had already been spent. He also informed that funds for the project were stopped for want of its techno-economic clearance. It was also brought out that neither displacement of population, nor diversion of forest land is involved in the project and no clearance from MOEF is required.

The project was accepted by the Advisory Committee subject to the concurrence by the State Finance Deptt.

(Action : State Government/Planning Commission)

Sl.No.4: Thoubal Irrigation Project, (Revised-Major), Manipur.

CCA	21862 ha.
Annual Irrigation	33400 ha.
Estimated cost	Rs. 254 Crore

Project proposals of First Revised Report of Thoubal Irrigation Project estimated to cost Rs. 254 Cr. were presented by Superintending Engineer, Thoubal Project, Govt. of Manipur to the Advisory Committee for consideration. Secretary, MOWR desired to know about the current year budget allocation and how the project is proposed to be financed. S.E., Govt. of Manipur informed that provision for current year i.e. 1997-98 is Rs. 20 Cr. and it is proposed to take financial assistance for the project under AIBP. Further, Secretary (WR) desired to know about the clearance of R&R Plan from ministry of Welfare. The representative of Ministry of Welfare informed that R&R Plan of Thoubal Project had been prepared in consultation with the persons likely to be affected which is a favourable point. However, he indicated that clarification on a few points such as monetary

7

compensation in place of land compensation for the acquired lands are required from State Government officials before according clearance to its R&R Plan. Regarding environmental clearance, S.E., Govt. of Manipur indicated that it would be obtained from MOEF within three months time.

Finally after these deliberations, the project was found acceptable for Rs. 254 Cr., subject to the following conditions:

- i) Environment and Forest clearance from Ministry of Environment and Forests should be obtained, preferably within 3 months.
- ii) Clearance of R&R Plan from Ministry of Welfare should also be obtained, preferably within 3 months.
- iii) Monitoring of ground water levels in the connected area in post project stage should be undertaken for a couple of years and conjunctive use of surface and ground water be planned, if found feasible.

Sl.No.5: Modernisation of Ranbir Canal Project (Major), J&K

CCA	38608 ha.
Annual Irrigation	49418 ha.
Estimated cost	Rs. 84.4 Crore

Chief Engineer, Irrigation and Flood Control Department, Government of J&K briefly presented the project to the Committee and emphasised the importance of the project which is situated in hilly area. He mentioned that the project would be proposed for inclusion in AIBP for which its techno-economic clearance is a pre-requisite. He also informed that the State Finance Department concurrence for the project was already given. CE(PAO), CWC and Member-Secretary informed about the letter of MOEF regarding requirement of public hearing for environmental clearance of the project. The Committee, however, felt that since this is a 90 years old existing canal and the present proposal involves only modernisation, and neither displacement of population nor diversion of forest land was involved in the project, need for public hearing should not be insisted upon by MOEF. The project was found acceptable by the Committee, subject to clearance from MOEF.

(Action : /Planning Commission)

Sl.No.6 : Maudha Dam Project (Major), U.P.

CCA	41117 ha.
Annual Irrigation	28234 ha.
Estimated cost	Rs. 117.23 Crore

The Representative of Government of Uttar Pradesh briefly explained about the project for which an expenditure of about Rs. 107 Cr. had already been incurred. He informed that efforts were being

made for obtaining clearance from MOEF. After brief discussion, the project was accepted by the Advisory Committee, subject to clearance from MOEF and State Finance Department.

(Action : State Government)

Sl.No.7 : Hawaipur Lift Irrigation Scheme (Medium) 1st Revised - Assam.

CCA	3040 ha.
Annual Irrigation	3887 ha.
Estimated cost	Rs. 14.93 Crore

Chief Engineer, Irrigation Department, Government of Assam outlined the brief details of the Scheme. The representative of ICAR pointed out that being a lift scheme, costly water is proposed to be utilised for cultivation of sugarcane, in about 20% of CCA which is not a main crop of Assam. As such, cropping pattern may be modified. Chief Engineer, Irrigation, Assam informed that cropping pattern has been finalised by the State Agriculture Department. Secretary, MOWR added that it may be due to high remunerative value of sugarcane. ICAR representative further added that he can suggest many high value crops like horticultural crops in place of sugarcane. Chief Engineer, Irrigation Department, Assam stated that he has noted the point and will consult Agriculture Department in this regard.

After discussion the project was accepted by the TAC subject to concurrence of State Finance Department for the updated cost and forest clearance from competent authority.

(Action : State Government/Planning Commission)

Sl.No.8: Barideching Lift Irrigation Scheme (Medium) 1st Revised - Assam

CCA	3050 ha.
Annual Irrigation	5054 ha.
Estimated cost	Rs. 17.27 Crore

After brief discussion, the project was accepted by the TAC, subject to the concurrence of State Finance Department for the updated cost.

(Action: State Government/Planning Commission)

ITEM -II Extension of time for Upper Beda Medium Project, M.P. for compliance of TAC observation.

Area	2200 ha.
Annual Irrigation	13365 ha.
Estimated cost	Rs. 89.51 Crore (1995-96 Price level)

The above project was accepted by the Advisory Committee in its 66th meeting held on 4.2.97, subject to the clearance from MOEF, State Finance Deptt. and Ministry of Welfare within six month

The representative of Narmada Valley Development Authority informed that clearance for R&R Plan had already been accorded by Ministry of Welfare and full efforts were being made for obtaining clearance from MOEF and State Finance Deptt. He requested the Advisory Committee to extend the time limit by another four months for completing the task towards compliance of TAC observations. The Committee accepted the request.

(Approved by the Government/NVD/Planning Commission)

The meeting ended with vote of thanks to the Chair



LIST OF MEMBERS

MEMBERS OF THE COMMISSION

3/Share

1	Mata Prasad, Secretary, Water Resources	In the Chair
2	Ramesh Chandra, Chairman, CWC.	Member
3	Mahendra Singh, Asstt. Director, (Representing Secretary (Expenditure), Ministry of Finance).	Member
4	MD Palathi, Director, (Representing Secretary, Ministry of Welfare).	Member
5	BR Sharma, Asst. Director General (WPA) (Representing Director General, ICAR)	Member
6	MP Singh, Deputy Director, (Representing Chairman, CEA).	Member
7	Capt. (Ex) SS Singh, Jt. Advisor, (Representing Adviser (I&CAD), Planning Commission)	Member
8	Shalendra Pandey, Joint Secretary & Financial Adviser, MOWR	Member
9	AR Bakshi, Scientist D, (Representing Chairman, CGWB)	Member
10	SC Chikara, Chief Engineer (P&N), CWC	Member-Secretary

Special Invites:

1. TD Sundarababu, Member (RM), CWC.
2. RK Parashar, Commissioner (Projects), MOWR
3. SC Srid, Commissioner (Indus), MOWR

CWC and other Officers:

1. KC Manchanda, Chief Engineer (ITD), CWC
2. SC Chadha, Chief Engineer (Indus), Chandigarh, CWC.
3. AK Chakrabarti, Chief Engineer (IB Basin), Shillong, CWC.
4. PV Rao, Director (P&N), CWC
5. MK Sinha, Director (P&S), CWC.
6. ASP Sinha, Director (P&C), CWC
7. K.N. Keshu, Director (P&A), CWC
8. RK Khanna, Director, C&D, CWC
9. YK Sharma, SE(C), Indus Basin, Chandigarh, CWC
10. Ram Saran, Dy. Director (P&N), CWC
11. R.R. Jain, Dy. Director (P&S), CWC
12. Jatinder Kumar, US(P&T), MOWR
13. Avinash Mishra, SRO, I&A, Planning Commission.

State Government Officers:

Assam

1. S Sen, Chief Engineer, Irrigation Department, Chandmari, Guwahati - 3, Assam.
2. P Debnath, Executive Engineer, Karbi Anglong, Irrigation Deptt., Assam
3. R Anon, Assistant Executive Engineer, Karbi Anglong, Irrigation Deptt., Assam

Himachal Pradesh

1. Arvind Kaul, Financial Commissioner, Govt. of Himachal Pradesh



2. Abhigya Chauhan, Chief Engineer (Project), I&PH, Shimla

Jammu & Kashmir

1. Jinderjit Singh, Chief Engineer, Irrigation & Flood Control Department, Jammu

Madhya Pradesh

1. MS Billore, Advisor, NVDA, Bhopal, Madhya Pradesh.
2. AM Naik, Member Engineering, NVDA, Bhopal, Madhya Pradesh.

Manipur

1. K Ibotomba Singh, Superintending Engineer, Irrigation & Flood Control Dept., Manipur.

Uttar Pradesh

1. FM Siddiqi, Superintending Engineer, IWC, Kanpur, Uttar Pradesh.
2. Shri Prakash Singh, EE, Irrigation Division -2, Irrigation Deptt., Allahabad.
3. IA Rizvi, AE-III, Irrigation Division -2, Irrigation Deptt., Allahabad.

No. 16/27/96-PA (N)/ 1160-1254
GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK PURAM,
NEW DELHI-110 066.
FAX: 91-11-6875516.

Dated: 09/07/1998.

Subject: 68th meeting of Advisory Committee on Irrigation, Flood Control and
Multipurpose Projects held on 12/06/98.

Summary record of discussions of the above meeting held at New Delhi on 12th
June 1998 is enclosed for information and necessary action please.

Encl.: As stated above.

राजरा आवास
12/06/98
13/7/98
Date

R.N.P. Singh
(R.N.P.SINGH)
CE (PAO) &
Member Secretary -
Advisory Committee

Copy to:

MEMBERS OF COMMITTEE:

1. Chairman, Central Water Commission, Sewa Bhawan, R.K.Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi.
3. Secretary, Department of Power, S.S.Bhawan, New Delhi.
4. Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
5. Secretary, Ministry of Welfare, Room No. 604, A-Wing, Shastri Bhawan, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Director General, ICAR, Krishi Bhawan, New Delhi.
8. Chairman, CEA, Sewa Bhawan, R.K.Puram, New Delhi.
9. Chairman, Central Ground Water Board, Jam Nagar House, Man Singh Road, New Delhi-11.
- ✓ 10. Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi.
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Financial Adviser, Ministry of Water Resources, S.S.Bhawan, New Delhi.

16(25)/68/98

For no

12/15/98

Dir (N)

13/7/98
SAC (M)

Pl. get photo copies
and submit each officer
for further necessary action
13/07/98

Special Invitees:

1. Member (D&R), CWC.
2. Member (WP&P), CWC.
3. Member (RM), CWC.
4. Principal Secretary, Irrigation & CAD Department, A.P. Secretariat, Hyderabad-500 022.
5. Secretary, Irrigation & Power Department, Government of Maharashtra, Mantralaya, Mumbai-400 032.
6. Commissioner and Secretary, Irrigation & Power Department, Govt. of Orissa, Bhubaneswar.
7. Secretary, Irrigation Department, Government of Uttar Pradesh, Lucknow - 226001. (UP).
8. Secretary, Irrigation Department, Government of Assam, Chandmari, Guwahati-3.
9. Commissioner (Projects), Ministry of Water Resources.
10. Commissioner (PP), Ministry of Water Resources.
11. Commissioner (Indus), Ministry of Water Resources, CGO Complex, Lodhi Road, New Delhi.
12. Commissioner (ER), Ministry of Water Resources, CGO Complex, Lodhi Road, New Delhi.
13. Chief Engineer (PPO), CWC.
14. Chief Engineer (PMO), CWC.
15. Chief Engineer (FMO), CWC.
16. Chief Engineer, Brahmaputra & Barak Basin, CWC, Jamir Mansion, Nongshillong, Shillong-793014.
17. Chief Engineer, Upper Ganga Basin, CWC, Jaltarang Bhawan, Pratapnagar, Aligarh, Lucknow-226020 (UP).
18. Chief Engineer, Narmada Basin, CWC, Bhopal (M.P.).
19. Engineer-in-Chief, Irrigation Department, Government of Uttar Pradesh, 4-Canal Colony, Lucknow-226001 (U.P.).
20. Engineer-in-Chief, Irrigation Department, Govt. of Orissa, Bhubaneswar-751001.
21. Engineer-in-Chief, Irrigation Department, Govt. of Andhra Pradesh, Eram Manzil, Hyderabad-500 841.
22. Chief Engineer, Irrigation Planning Department, Govt. of Maharashtra, Mantralaya, Bombay-400 032.
23. Member (Engineering), Narmada Valley Development Authority, Narmada Bhawan, Tulsi Nagar, Bhopal (M.P.).
24. Director, Project Appraisal (North), CWC.
25. Director, Project Appraisal (Central), CWC.
26. Director, Project Appraisal (South), CWC.
27. Director, Cost Appraisal (Irrigation), CWC.
28. Director, Project Preparation (Central), CWC.
29. Director (EIA), CWC.
30. Director (Mon. & Appraisal), CWC, Guwahati.
31. Director (Mon. & Appraisal), CWC, Bhubaneswar.
32. Director (Mon. & Appraisal), CWC, Nagpur.

Copy for information to:

1. PPS to Secretary, Ministry of Water Resources.

Summary Record of discussions of the 68th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 12/06/98 at 1200 Hrs. in the Committee Room of Central Water Commission, New Delhi.

The 68th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held on 12/06/98 at 1200 Hrs. at New Delhi, under the Chairmanship of Secretary, Ministry of Water Resources.

A list of participants is enclosed at Annexure - I.

Chairman welcomed the participants and made introductory remarks highlighting the need for making concerted efforts to make fuller utilization of the irrigation potential already created and early completion of the ongoing projects. To facilitate this, Government of India has already launched AIBP. Thereafter he called upon the Member Secretary to take up the Projects for discussions. Summary of discussions on the Projects is as under:

1. RENGALI IRRIGATION SUB-PROJECT (RIGHT BANK CANAL FROM 0.00 KM TO 112 KM) – ORISSA (REVISED-MAJOR)

<i>Estimated Cost</i>	:	<i>Rs. 738.27 (1996 Prices)</i>
<i>CCA</i>	:	<i>1,00,500 ha.</i>
<i>Annual Irrigation</i>	:	<i>1,70,850 ha.</i>

After brief introduction of the project proposal and its likely benefits etc. by the Member Secretary the project was taken up for discussion.

Chairman desired to know whether the apportioned cost of dam and barrage has been taken into account while working out benefit cost ratio. It was informed that the Rengali Dam and the Samal Barrage were completed in 1984 and 1995 respectively. Their apportioned costs have been added to the cost of Rengali Irrigation Project RBC while working out the B.C.Ratio. Chairman, CWC pointed out that the intensity of irrigation of 170% considered in the project is on the higher side and may lead to water logging in the command area. It was clarified by the State representatives that the command area with slope of 6 to 7% towards river has good natural drainage system. Ground water table being low in 90% of the command area as well as basin receiving low rain fall, the problem of water logging is not expected. For drainage in the remaining area, a provision of Rs. 1.17 Cr. has been made in the estimates of the project. However, conjunctive use of ground and surface water as practiced in Hirakud Project and regular monitoring of ground water table in the command area were suggested. The State representatives informed that the study has indicated the ground water has only marginally increased in the vicinity of Rengali Dam during last 10-15 years. It was also informed that a separate Environmental Cell has been created under a Director for monitoring the rise in water table and to study water logging problems.

After the above discussions and the Rengali Irrigation Sub-project RBC (0-112 km.) being a part of already cleared Rengali Irrigation Project in (March 1978) without any change in scope, the scheme was found acceptable by Advisory Committee subject to:

- (i) Concurrence of State Finance Department for the revised cost estimate of Rs. 738.27 Cr.
- (ii) Conjunctive use of ground and surface water.
- (iii) Monitoring of rise in water table in the command area with information to MOEF.

(Action: State Government/CWC)

2. DHAURAGOTH IRRIGATION PROJECT-ORISSA (NEW- MEDIUM)

<i>Estimated Cost</i>	:	<i>Rs. 16.80 Cr. (SOR – 3/1997)</i>
<i>CCA</i>	:	<i>2230 ha.</i>
<i>Annual Irrigation</i>	:	<i>3010 ha.</i>

Discussions on the project started with the brief introduction of the project proposal and its benefits etc. by Member Secretary. Chairman desired to know the outstanding issues related with the project from State Government Officers. It was informed that 'in principle' forest clearance had been accorded by Ministry of Environment and Forests. However, formal approval after compliance of some of their observations is to be issued. In this connection, it was intimated that Ministry of Welfare wanted the plan to have provision of irrigated land for tribal family @ 5 acres per family. For this purpose state authorities informed that, land is being earmarked and the modified proposal would be submitted to the Ministry of Welfare shortly for clearance of R&R Plan. As regards R&R plan it was noted that a provision of Rs. 57.25 lakh has been made in the project estimate. Representative of Ministry of Welfare, however, pointed out that the copy of R&R Plan has not been received. State Officers agreed to send the copy of the Plan shortly and assured to pursue the matter to obtain the clearance of R & R plan by MOW in about six months time. The need for conjunctive use of surface and ground water was also suggested which could enhance irrigation facilities to more areas besides warding off any water logging problems. This suggestion was agreed to by the State officials.

Finally, the project was acceptable for Rs. 16.80 Cr. (at March 1997 price level) subject to the following conditions:

- (i) Clearance of R&R Plan by Ministry of Welfare.
- (ii) Concurrence of State Finance Department for estimated cost of Rs. 16.80 Cr.
- (iii) Regular monitoring of ground water levels in the command area and possibility of conjunctive use of ground and surface water.

(Action: State Government/CWC)

3. TALAMBA IRRIGATION PROJECT – MAHARASHTRA (NEW-MAJOR)

<i>Estimated Cost</i>	:	<i>Rs. 289.09 Cr. (SOR – 1994-95)</i>
<i>CCA</i>	:	<i>20,000 ha.</i>
<i>Annual Irrigation</i>	:	<i>28,900 ha.</i>

The Project was introduced by the Member Secretary indicating brief proposal, benefits, submergence details etc.

Representative from Ministry of Environment and Forests informed that since the project was cleared from environmental angle way back in May 1985, fresh EIA Report and Management Plan would be needed for their concurrence. As regards the forest clearance of 197 ha. Coming under submergence, the project authorities assured to obtain it expeditiously. It was suggested that the forest clearance and concurrence of EIA and management plan from MOEF should be obtained in about six month's time. It was noted that provision of Rs. 665.18 lakh under Environment & ecology, Rs. 25.81 lakh under plantation and Rs. 286 lakh towards R&R package have been made in the estimate. Since no tribal population is involved, the R&R plan would require clearance by MOEF only. The State officers assured to follow up and obtain necessary clearances.

It was pointed out that the cost of project is Rs. 289.09 Cr. while the provision in 9th Plan for this project is only Rs. 10.00 Cr. which would affect the construction schedule. State representative clarified that the additional funds for this project would be available from Konkan Irrigation Development Corporation and the project will be completed as per schedule.

After discussions the project was accepted by the Advisory Committee with the following conditions:

- (i) Approval of R&R Plan by the Ministry of Welfare.
- (ii) Concurrence of Environmental Impact Assessment Report and Management Plan by Ministry of Environment and Forests.
- (iii) Clearance for 197 ha. of forest land by Ministry of Environment and Forests.
- (iv) Concurrence of State Finance Department for the cost of project i.e. Rs. 289.09 Cr.

(Action: State Government/CWC)

4. PROVIDING KHARIF CHANNELS IN HINDON KRISHNI DOAB – UTTAR PRADESH (REVISED-MAJOR).

<i>Estimated Cost</i>	:	<i>Rs. 39.24 Cr. (SOR – 1996-97)</i>
<i>CCA</i>	:	<i>31420 ha.</i>
<i>Annual Irrigation</i>	:	<i>11600 ha.</i>

Member Secretary briefly outlined the project proposal and its benefits etc. Chairman desired to know from the project authorities about the source of water. It was informed that the water would be drawn from Eastern Yamuna Canal with its necessary remodelling. It was also clarified that the requirement of 10 cumec of water for the project (during kharif period only) is from within the allocated share of Yamuna water to the Uttar

Pradesh State. On a query from Commissioner (Projects), MOWR, the State Officers confirmed that no barrage has been constructed on Krishni River as per the earlier proposal cleared by the Planning Commission and thus no infructuous expenditure has been incurred on the project.

Finally, the Committee accepted the project for Rs. 39.24 Cr. subject to the following observations:

- (i) Concurrence of the State Finance Department for the estimated cost.
- (ii) Regular monitoring of ground water levels in the command area.

(Action: State Government/CWC)

5. NOTE ON CHAGALNADU LIFT IRRIGATION SCHEME-A.P.
(NEW – MAJOR).

<i>Estimated Cost</i>	:	<i>Rs. 43.05 Cr. (SOR: 1994-95)</i>
<i>CCA</i>	:	<i>19,263 ha.</i>
<i>Annual Irrigation</i>	:	<i>10,118 ha.</i>

The project proposals were explained in brief by Member Secretary. Chairman desired to know from the project authorities about the status of compliance of CSMRS observations. It was informed that they had received the comments recently and would comply shortly.

The project was accepted at an estimated cost of Rs. 43.05 Cr. (at 1994-95 SOR) subject to compliance of CSMRS observations.

(Action: State Government/CWC)

6. KAR MEDIUM IRRIGATION PROJECT– MAHARASHTRA (NEW-
MEDIUM)

<i>Estimated Cost</i>	:	<i>Rs. 44.71 Cr.</i>
<i>CCA</i>	:	<i>8,220 ha.</i>
<i>Annual Irrigation</i>	:	<i>6359 ha.</i>

The Member Secretary briefly described the project proposal, its benefits, submergence details and project affected people etc. It was also informed that the forest clearance has already been given by the MOE&F and MOW has also approved the R&R Plan. After brief discussion, the project was accepted by the Committee with the following observations:

- (i) Concurrence of the State Finance Department.
- (ii) Monitoring of ground water level in the command area.

(Action: State Government/CWC)

7. BURISUTI IRRIGATION PROJECT- ASSAM (NEW-MEDIUM)

<i>Estimated Cost</i>	:	<i>Rs. 34.70 Cr. (SOR: 1995-96)</i>
<i>CCA</i>	:	<i>7060 ha.</i>
<i>Annual Irrigation</i>	:	<i>11500 ha.</i>

After brief introduction of the project proposal, it was taken up for discussions by the Committee. The Chairman enquired about the necessity of the project in view of availability of ground water. The project authorities clarified that the utilization of ground water has already been considered and provision for some 20 shallow tube wells has been made in the project as suggested by CGWB. The Chairman pointed out that a number of projects are under construction and it would be desirable to take up new project only after completion of at least one of the on-going projects.

The project was accepted by the Committee subject to the following:

- (i) Monitoring of ground water level in command area.
- (ii) Concurrence of State Finance Department.

(Action: State Government/CWC)

8. UPPER BEDA MEDIUM IRRIGATION PROJECT- MADHYA PRADESH
(Extension of time for compliance of TAC observation regarding)

<i>Estimated Cost</i>	:	<i>Rs. 89.51 Lakh (SOR: 1995-96)</i>
<i>CCA</i>	:	<i>9900 ha.</i>
<i>Annual Irrigation</i>	:	<i>13365 ha.</i>

This project was accepted by the Advisory Committee in its 66th Meeting held on 4.2.97 subject to the clearance of MOEF, State Finance Department and Ministry of Welfare within six months.

The Project authorities informed that the necessary statutory clearances have now been obtained and submitted to CWC. It was decided that the scheme could be recommended to Planning Commission for the same cost as accepted earlier by the Advisory Committee. for investment clearance.

(Action: Planning Commission /CWC)

The meeting ended with vote of thanks to the Chair.

LIST OF PARTICIPANTS**MEMBERS OF COMMITTEE:**

S/Shri

1. Arun Kumar, Secretary, Ministry of Water Resources.	In the Chair
2. Z.Hasan, Chairman, CWC.	Member
3. Dr.S.C.Verma, Jt. Director, (Representing Secretary Environment & Forests)	Member
4. K.P.S.Verma, Dy. Commissioner (Representing Secretary, Department of Agriculture & Coop.)	Member
5. Lokesh Jha, Dy. Secretary (Representing Secretary, Ministry of Welfare)	Member
6. Dr. D.K.Paul, Principal Scientist (IWM) (Representing Director General, ICAR)	Member
7. K.K.Narang, Director (Representing Adviser (I&CAD), Planning Commission.	Member
8. Rakesh Ranjan, Director Finance (Representing Financial Adviser, MOWR.	Member
9. A.D. Joseph, Scientist-D (Representing Chairman, CGWB), Faridabad.	Member
10. R.N.P. Singh, Chief Engineer (PAO) & Member Secretary – TAC	Member-Secretary

Special Invitees:

1. R. S.Prasad, Member (WP&P), CWC.
2. R.K.Parashar, Commissioner (Projects), MOWR.

CWC Officers:

1. A.B.Pal, Chief Engineer (PMO), CWC.
2. R.B.L.Tewari, Chief Engineer (PPO), CWC.
3. R.Shukla, Chief Engineer (UGB), CWC, Lucknow, U.P.
4. R.Jeyaseelan, Chief Engineer (Mon-C), CWC, Nagpur, Maharashtra
5. S.C.Gupta, Director (M&A), CWC, Gauhati, Assam.
6. P.V.Rao, Director (Project Appraisal-North), CWC.
7. R.S.Goel, Director, CA (HWF), CWC.
8. M.K.Sinha Director (PA-S), CWC.
9. R.K.Khanna, Director, CA (I), CWC.
10. A.S.P. Sinha, Director (PA-C), CWC.
11. K.N.Keshri, Director (EIA), CWC.
12. B.G.Kaushik, Director (PPO), CWC.
13. Ram Saran, Dy. Director (PA-N), CWC.
14. R.N.Ray, Dy. Director (PA-N), CWC.
15. R.K.Jain, Dy. Director (PA-S), CWC.
16. D.N.Dahiya, Dy. Director (PA-C), CWC.
17. Jalaluddin, Dy. Director (PPO-C), CWC.
18. T.D.Sharma, Assistant Director (PA-N), CWC.
19. S.K.Jha, Assistant Director (PA-S), CWC.

20. P.P.Abdurahiman, Assistant Director (PPO-C), CWC.
21. R.C.Malhotra, Assistant Director (PPO-C), CWC.
22. A.Kumar, Assistant Director (PA-S), CWC.
23. R.N.Dakshy, EAD (PA-N), CWC.
24. P.K.Barman, EAD (PA-N), CWC.
25. S.B.Dey, EAD (PA-N), CWC.
26. G.Rami Reddy, EAD (PA-N), CWC.
27. P.K.Ghosh, EAD (PA-C), CWC.

Sh R R Rao
D. 11/11/01
6108026

State Government Officers:

Andhra Pradesh:

1. C.Umamaheswara Rao, IAS, Joint Secretary, I&CAD, Department of Govt. of A.P., Hyderabad.
2. T.Venkata Ratnam, Executive Engineer, Changalnadu Lift Irrigation Scheme, Dowlaiswaram, Andhra Pradesh.

Assam:

1. P.B.Goswami, Chief Engineer, Irrigation, Gauhati, Assam.
2. H.P.Bhattacharjee, Director, Irrigation, Govt. of Assam.

Madhya Pradesh:

1. A.M.Naik, Member (Engg.), NVDA, Bhopal (M.P.).
2. M.S.Billore, Adviser to Chairman, NVDA, Bhopal (M.P.).

Maharashtra:

1. R.M.Landge, Chief Engineer, Irrigation, Deptt. of Maharashtra.
2. V.Thampi, Superintending Engineer, Kar Project, Maharashtra.
3. B.B.Pati Superintending Engineer, K-I Circle, Ratnagiri, Maharashtra.
4. A.G.Patil, Ex. Engineer, N.M.P. Division, Nagpur.
5. D.P. Deshpande, Dy. Ex. Engineer, Kar River Project, Maharashtra.
6. T.Murigendaupri, SDO, R&B, Sub-Division, Maharashtra.
7. H.A.Gowda, L.O. Irrigation Department, Govt. of Maharashtra.

Orissa:

1. R.N.Senapati, Commissioner-cum-Secretary, Water Resources Department, Govt. of Orissa.
2. Dr.B.P.Das, Chief Advisor (Projects), Water Resources Department, Govt. of Orissa.
3. K.C.Panda, L.O., Department of Water Resources, Govt. of Orissa.

Uttar Pradesh:

1. P.C.Jain, Executive Engineer, Irrigation Department, U.P.
2. O.P.Singhal, Executive Engineer, Planning Organisation, Canal Colony, Okhla.
3. P.K.Sharma, Assistant Engineer, DD, Muzaffar Nagar, U.P.

No. 16/27/96-PA (N)/ 2165-98
GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
PROJECT APPRAISAL (NORTH) DIRECTORATE

407, SEWA BHAVAN,
RK PURAM,
NEW DELHI-110 066.
FAX: 91-11-6875516.

Dated: 16/10/1998.

Subject: 69th meeting of Advisory Committee on Irrigation, Flood Control and
Multipurpose Projects held on 6/10/1998.

Summary record of discussions of the above meeting held at New Delhi on 6th
October 1998 is enclosed for information and necessary action please.

Encl.: As stated above.

 16/10/98

(R.N.P. SINGH)
CE (PAO) &
Member Secretary -
Advisory Committee

Copy to:

MEMBERS OF COMMITTEE:

1. Chairman, CWC, Sewa Bhawan, R.K.Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, North Block, New Delhi
3. Secretary, Department of Power, S S. Bhawan, New Delhi.
3. Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex,
New Delhi
5. Secretary, Ministry of Welfare, R. No. 604, A-Wing, Shastri Bhawan, New Delhi.
6. Secretary, Department of Agriculture & Cooperation, Krishi Bhawan, New Delhi.
7. Director General, ICAR, Krishi Bhawan, New Delhi.
8. Chairman, CEA, Sewa Bhawan, R.K.Puram, New Delhi.
9. Chairman, Central Ground Water Board, Jam Nagar House, Man Singh Road,
New Delhi-110011.
10. Adviser (I&CAD), Planning Commission, Yojana Bhawan, New Delhi
11. Adviser (Energy), Planning Commission, Yojana Bhawan, New Delhi.
12. Financial Adviser, Ministry of Water Resources, S.S.Bhawan, New Delhi.

Special Invitees:

1. Member (D&R), CWC.
2. Member (WP&P), CWC.
3. Member (RM), CWC.
- ① 4. Secretary, Irrigation Department, Govt. of Nagaland, Kohima - 797 001
(FAX NO. 03968-22004)
5. Commissioner (Projects), Ministry of Water Resources.
6. Commissioner (PP), Ministry of Water Resources.
7. Commissioner (Indus), Ministry of Water Resources, CGO Complex, Lodhi Road, New Delhi.
8. Commissioner (ER), Ministry of Water Resources, CGO Complex, Lodhi Road, New Delhi.
9. Chief Engineer (PMO), CWC.
- ② 10. Engineer-in-Chief, Irrigation Department, Govt. of Andhra Pradesh, Fram Manzil,
Hyderabad-500841.
11. Shri O C. Kaushal, Chief Engineer, Himachal Pradesh State Electricity Board, Shimla,
Himachal Pradesh - 174 402. — 16/17
- ③ 12. Superintending Engineer, I & PH Circle, Sunder Nagar, Himachal Pradesh - 174402.
(FAX No. 01907-62422).
13. Director, Project Appraisal (North), CWC.
14. Director, Project Appraisal (Central), CWC.
15. Director, Project Appraisal (South), CWC.
16. Director, Cost Appraisal (Irrigation), CWC.
17. Director (EIA), CWC.
- ④ 18. Director (Mon & Appraisal), CWC, Shimla.

Copy for information to:

1. PPS to Secretary, Ministry of Water Resources.
- ⑦ 2. Principal Secretary, Irrigation & CAD Department, A.P. Secretariat, Hyderabad - 500 022.
(FAX No. 040-233511 & 233700).
- ⑤ 3. Secretary, Power Department, Govt. of Himachal Pradesh, Shimla - 171 002.
- ⑥ 4. Chief Engineer, Indus Basin, CWC, Block-4, 6th Floor, Kendriya Sadan, Sector-9,
Chandigarh - 160 017.

Summary Record of discussions of the 69th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects held on 6/10/1998 at 1100 Hrs. in the Committee Room of Central Water Commission, New Delhi.

The 69th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held on 6/10/1998 at 1100 Hrs. at New Delhi, under the Chairmanship of Secretary, Ministry of Water Resources.

List of participants is enclosed at Annexure - I.

Chairman welcomed the participants. Summary of discussions on the Projects is as under:

1. PRIYADARSHINI JURALA PROJECT - ANDHRA PRADESH
(NEW - MAJOR)

<i>Estimated Cost</i>	:	<i>Rs. 545.82 Cr. (1997-98 Prices)</i>
<i>CCA</i>	:	<i>41,360 ha.</i>
<i>Annual Irrigation</i>	:	<i>47,835 ha.</i>

The project had earlier been considered by the Advisory Committee in its 39th Meeting held on 12th April 1988 and found acceptable for an estimated cost of Rs. 204.75 Cr. at 1985-86 price level subject to environmental clearance from Ministry of Environment and forests. The Ministry of Environment and Forests' accorded approval to the project in April 1994 subject to implementation of mitigative measures.

The project estimates were updated at the current price level incorporating the provisions for environmental mitigative measures and progress made thereon.

The estimated cost of the project was finalized in CWC for Rs. 545.82 Cr. and put up to TAC for consideration and acceptance.

A brief presentation of the project proposals, likely benefits and the progress of the project was made by Shri K.Prakash, Superintending Engineer, Irrigation Department, Government of Andhra Pradesh. He intimated that the project is in advance stage of construction and likely to be completed by October 2000. Regarding the land acquisition issue in Karnataka portion, it was informed that the matter has already been settled. As regards R/R for the

project-affected persons, it was informed that out of 7 Rehabilitation Centres, 5 have already been developed with necessary civic and other amenities and people have moved into them. Development works in remaining 2 centres are under progress. Representative from MOW asked the project authorities to submit the R&R action plan which was agreed to by the project representative. Adviser (I&CAD), Planning Commission stated that as the agenda notes were received late he was not in a position to offer any comments. Regarding water logging problems raised by Chairman, CWC, the project representative intimated that the entire command area was well drained and ground water was also 10 to 15 m below the ground level. However, it was suggested that project authority should monitor the ground water level with view to plan and encourage ground water utilization in future. The project was found acceptable for modified estimated cost of Rs.545.82 Cr. (at 1997-98 price level) subject to following observations:

- (i) that State Government will take up monitoring of groundwater on long term basis and will formulate proposal for conjunctive use of ground water with surface water in due course.
- (ii) that the R&R action plans for the Project affected persons will be submitted to Ministry of Welfare for their perusal and acceptance even though no tribal population is affected by the project.

(Action: State Government/CWC/Planning Commission)

2. DZUZA IRRIGATION PROJECT-NAGALAND (NEW- MEDIUM)

<i>Estimated Cost</i>	:	<i>Rs. 49.00 Cr. (1996-97 Prices)</i>
<i>CCA</i>	:	<i>7500 ha.</i>
<i>Annual Irrigation</i>	:	<i>11500 ha.</i>

A brief discussion was held during the meeting on the project. Chairman, CWC informed that annual irrigation from the project was 11500 ha. (instead of 13500 ha. as mentioned in the TAC note) and hence the intensity of irrigation was only 153% (instead of 180% as per the TAC note). The project was found very attractive with B.C. Ratio of 2.04 and cost per ha. of annual irrigation as Rs. 42,600/-. The Committee accepted the project for an estimated cost of Rs. 49 Cr. (At 1996-97 price level)

(Action: CWC/Planning Commission)

3. RENUKA DAM PROJECT – HIMACHAL PRADESH
(NEW-MULTIPURPOSE)

<i>Estimated Cost</i>	:	<i>Rs. 1224.64 Cr. (May 1997 Price)</i>
<i>Power Generation</i>	:	<i>212 MKwh.</i>
<i>Water Supply to Delhi</i>	:	<i>542.5 Mm3 Annually</i>

Chairman, Advisory Committee expressed concern about the economic viability of the project as the cost per cubic metre of water supply at the dam site itself was Rs. 2.46 and it would go up considerably considering the cost of water carrier system for conveying water from Renuka Reservoir to Delhi and the cost of water treatment and distribution etc. In view of this it was suggested that it would be desirable to obtain concurrence of Government of Delhi before taking decision on the project proposal. Chairman, CWC opined that the project should be first discussed in the Upper Yamuna River Board in which all the basin States including Government of Delhi are represented., Adviser (I&CAD), Planning Commission suggested circulation of the detailed project reports to all the basin States. Chairman, Advisory Committee indicated that this could be considered in specific cases as the project reports undergo changes during the process of examination. It was also felt that the project representative should be present in the meeting to clarify any point raised in the meeting.

In view of above, the Committee decided to defer consideration/acceptance of the project for the time being and suggested that:

- (i) the project should be discussed in the Upper Yamuna River Board;
- (ii) specific views/concurrence of Government of Delhi should be obtained; and
- (iii) the project should be put up to the Advisory Committee again after doing the needful as in (i) and (ii) above.

(Action: CWC)

4. BALH VALLEY IRRIGATION PROJECT – H.P.
(2ND REVISED-MEDIUM).

<i>Estimated Cost</i>	:	<i>Rs. 12.02 Cr. (1998 Price)</i>
<i>CCA</i>	:	<i>2410 ha.</i>
<i>Annual Irrigation</i>	:	<i>3037 ha</i>

The Project proposal was briefly explained by Shri A.K.Mahajan, Superintending Engineer, Irrigation Department, Government of Himachal Pradesh. He mentioned that the project was earlier accorded investment clearance by the Planning commission twice for an estimated cost of Rs. 302.71 Lakh in 1982 and Rs. 822.00 Lakh in 1992. He also informed that an amount of Rs. 1166 Lakh has already been spent and the project would be completed during the current financial year.

Chairman, CWC pointed out that the economic analysis did not include the loss to power generation due to diversion of water for irrigation. However, he appreciated the concept of giving priority for providing irrigation facilities to the enroute cultivable lands of the Beas-Sutlej Link Hydel Channel.

After some discussion, the project was accepted by the Advisory Committee for an estimated cost of Rs. 12.02 Cr. at 1998 price level.

(Action: CWC/Planning Commission)

The meeting ended with vote of thanks to the Chair.

LIST OF PARTICIPANTS

MEMBERS OF COMMITTEE:

S/Shri

- | | |
|--|------------------|
| 1. Z.Hasan, Secretary, Ministry of Water Resources. | Chairman |
| 2. A.D.Mohile, Chairman, CWC. | Member |
| 3. B.N.Navalawala, Advisor (I&CAD), Planning Commission. | Member |
| 4. Dr.Shankar Manjhi, ADG (IWM), ICAR
(Representing Director General, ICAR) | Member |
| 5. Dr. D.K.Chadha, Chairman, CGWB. | Member |
| 6. Lokesh Jha, Deputy Secretary
(Representing Secretary, Ministry of Welfare) | Member |
| 7. B.K.Aggarwal, Chief Engineer, CEA
(Representing Chairman, CEA) | Member |
| 8. R.N.P. Singh, Chief Engineer (PAO) | Member-Secretary |

Special Invitees:

1. R. S.Prasad, Member (WP&P), CWC.
2. R.K.Parashar, Commissioner (Projects), MOWR.
3. B.S.Ahuja, Commissioner (PP), MOWR.
4. A.C.Gupta, Commissioner (Indus), MOWR.
5. K.K.Narang, Director (I&CAD), Planning Commission.
6. S.C.Anand, Deputy Director, CEA

CWC Officers:

1. A.B.Pal, Chief Engineer (PMO), CWC.
2. S.C.Sud, Chief Engineer (IB), CWC, Chandigarh.
3. P.V.Rao, Director (Project Appraisal-North), CWC.
4. N.C.Chakrabarty, Director (M&A), CWC, Shimla.
5. K.N.Keshri, Director (EIA), CWC.
6. A.S.P. Sinha, Director (PA-C), CWC.
7. Ram Saran, Dy. Director (PA-N), CWC.
8. R.K.Jain, Dy. Director (PA-S), CWC.
9. D.N.Dahiya, Dy. Director (PA-C), CWC.
10. R.N.Ray, Dy. Director (PA-N), CWC.
11. B.B.Haldar, Deputy Director CA (I), CWC.
12. S.L.Kewalramani, Deputy Director (M&A), CWC, Shimla.
13. M.Jagannathan, Assistant Director (PA-C), CWC.
14. A.Kumar, Assistant Director (PA-S), CWC.
15. Manoj Kumar Gupta, Assistant Director (PA-N), CWC.

16. R.N.Dakshy, EAD (PA-N), CWC.
17. S.B.Dey, EAD (PA-N), CWC.
18. B.Samanta, EAD (PA-S), CWC.
19. S.C.Chandhuri, EAD (CA-I), CWC.
20. S.K.Mandal, EAD (PA-C), CWC.
21. B.K.Sinha, EAD, (PA-C), CWC.

State Government Officers:

Andhra Pradesh:

1. K.Prakash, Superintending Engineer, Jurala Project, Mahbubnagar, Andhra Pradesh.

Himachal Pradesh:

1. A.K.Mahajan, Superintending Engineer, IPH Circle, Sundernagar, District Mandi, H.P.
2. Dharmendra Gill, Assistant Engineer, IPH Sub Division, Sundernagar, District Mandi, H.P.

no. 16/23/99 AA(N)/330-367
dt. 5.2.1999

1

**Summary Record of discussions of the 70th Meeting of Advisory Committee
on Irrigation, Flood Control and Multipurpose Projects held on 27/01/1999 at 1500 Hrs.
in the Committee Room of Ministry of Labour, Shram Shakti Bhawan, Rafi Marg,
New Delhi.**

The 70th Meeting of Advisory Committee on Irrigation, Flood Control and Multipurpose Projects was held on 27/01/99 at 1500 Hrs. at New Delhi, under the Chairmanship of Secretary, Ministry of Water Resources. A list of participants is enclosed at Annexure - I.

Chairman of the Advisory Committee welcomed all the participants and thereafter discussions on the following projects were taken up as per the agenda.

**1. LIFT IRRIGATION PROJECT IN CHANGER AREA - HIMACHAL
PRADESH (NEW MEDIUM)**

Estimated Cost : *Rs. 28.37 Cr.*
CCA : *2508 ha.*
Annual Irrigation : *3041 ha.*

Chief Engineer (PAO) explained the project proposal and put up the project for the consideration of the Committee. Chairman, CWC enquired about the rate of energy charges considered in working out B.C. Ratio of the project. Representative from Planning Commission pointed out that the fund provided for the project during the 9th Five Year Plan is not adequate. As such State Government may be advised to provide adequate fund for the project so that the project is executed as per the schedule. Further he suggested that a certificate to the effect that no forest land is involved in this project should be obtained from the Forest Department. Representatives from Ministry of Agriculture pointed out that the water rate taken in this case is on lower side and should be increased. Secretary (MOWR) also agreed with this view and suggested that water rates should be increased to recover the O&M cost of the project. However, the water rates are not project specific and Government of Himachal Pradesh would need to review it separately. After some discussions, the project was accepted techno-economically viable subject to following conditions:

- (i) Concurrence of State Finance Department for the accepted cost; and
- (ii) Certificate from the Forest Department stating that no forest land is involved.

(Action: State Government)

2. GUMANI PROJECT - BIHAR (REVISED-MAJOR)

<i>Estimated Cost</i>	:	<i>Rs. 85.55 Cr.</i>
<i>CCA</i>	:	<i>22,923 ha.</i>
<i>Annual Irrigation</i>	:	<i>16,194 ha.</i>

Discussions on the project started after a brief description of the project proposal and the history of clearances accorded to the project in the past by CE (PAO). Chairman, CWC desired to know the reasons for very high escalation in the estimated cost of the project. The representative of the State Government intimated that the cost of the distributory, watercourses and water supply which were not included in the original project report approved in 1976 had been taken in the present proposal. Representative from Ministry of Agriculture pointed out that the yield of paddy adopted for post project condition was on higher side. He also suggested that some other crops should be tried in the command area instead of taking annually one crop of paddy. Representative from the State Government clarified that the yield of paddy in post project condition had been taken as per the advice of State Agriculture Department. As regards cropping pattern, he clarified that the area was predominantly rice growing. However, he agreed to consult the State Agriculture Department again. Secretary (MOWR) desired to know the status of environment and forest clearance of the project. The representative from Bihar intimated that only 2.5 ha. of forest land was involved for which equivalent area of non-forest land had already been transferred to the Forest Department. However, formal clearance from Ministry of Environment and Forest is still awaited. He also informed that the proposal for environmental clearance had also been submitted to the State Forest Department for clearance. He was informed that the proposal for environmental clearance was required to be submitted with Ministry of Environment and Forests directly for their clearance, ~~and there was no need to route it through State Forest Department.~~ Representative of Planning Commission emphasized the need for provision of adequate fund so that the completion of the project is ensured within the stipulated period of three years. After discussions the project was accepted subject to following conditions:

- (i) Concurrence of State Finance Department;
- (ii) clearance by Ministry of Environment & Forests; and
- (ii) Provision of adequate fund to ensure completion of the project within the stipulated period of three years.

(Action: State Government)

3. SIKTIA BARRAGE PROJECT – BIHAR (NEW-MAJOR)

<i>Estimated Cost</i>	:	<i>Rs. 248.10 Cr.</i>
<i>CCA</i>	:	<i>41,334 ha.</i>
<i>Annual Irrigation</i>	:	<i>40,509 ha.</i>

While explaining the project proposal, Chief Engineer (PAO), CWC intimated that the project was earlier considered by the Advisory Committee in its meeting held on 17.8.88 and found acceptable subject to following observations:

- (i) Concurrence of the State Finance Department for the updated cost of Rs. 110.76 Cr.
- (ii) Clearance from the Department of Environment and Forests, Government of India.

Though, the concurrence of the State Finance Department for Rs. 110.76 Cr. was communicated by Government of Bihar vide letter dated 7.12.91, it has to be obtained again for updated cost. Further, it was pointed out that environmental clearance of the project is still awaited. Secretary (MOWR) desired to know the status of environmental clearance from the State Authorities. Chief Engineer, Government of Bihar intimated that the project involved 19.54 ha of forest land for which non-forest land had been handed over to Forest Department along with cost of compensatory afforestation. It was also intimated that they had submitted the proposal of environmental clearance to the Ministry of Environment and Forest earlier and would now try to get it expedited. Representative of Planning Commission emphasized the need for providing adequate fund in the 9th Five Year Plan for timely completion of the project. After discussions, the project was accepted by the Advisory Committee subject to following conditions:

- (i) Environment and Forest clearance from Ministry of Environment & Forests;
- (ii) Concurrence of State Finance Department for the updated cost of Rs. 248.10 Cr.; and
- (iii) Provision of adequate fund.

(Action: State Government)

4. JIRI IRRIGATION PROJECT – MANIPUR & ASSAM (NEW-MEDIUM).

<i>Estimated Cost</i>	:	<i>Rs. 48.68 Cr.</i>
<i>CCA</i>	:	<i>5,750 ha.</i>
<i>Annual Irrigation</i>	:	<i>9,775 ha.</i>

The project had earlier been considered by the Advisory Committee in its 39th Meeting held on 12.4.88 and found acceptable for Rs. 15.86 Cr. However, Planning Commission had made the following observations for compliance before according investment clearance to the project:

- (i) Formation of Jiri Control Board;
- (ii) Forest clearance from Assam and Manipur;
- (iii) Signing of inter-state agreement between beneficiary States of Assam and Manipur to take care of post construction scenario including ownership, operation and maintenance and financing.

Chief Engineer (PAO), CWC informed that North Eastern Council had already constituted Jiri Control Board and this Board had held six meetings so far. During these meetings the draft inter-state agreement to be signed by beneficiary States of Assam and Manipur has been finalized. However, the agreement is yet to be signed by Assam and Manipur. Regarding forest land it was informed that Ministry of Environment & Forests had already agreed in principle for diversion of 15 ha. of forest land in Assam for the project. However, formal forest clearance is yet to be issued. No forest land in Manipur State is involved in this project. Chairman, CWC was of the view that produce of paddy adopted for post project condition is on higher side and it should be suitably reduced for economic analysis. Representative of Planning Commission stressed the need for signing of agreement by the beneficiary States. After discussion, the project was found techno-economically viable. However, it was decided that acceptance of the project will be considered after inter-state agreement is signed by Assam and Manipur.

(Action: North Eastern Council - Assam & Manipur)

5. UPPER INDRAVATI EXTENSION PROJECT - ORISSA (NEW – MAJOR).

<i>Estimated Cost</i>	:	<i>Rs.136.67 Cr.</i>
<i>CCA</i>	:	<i>25,484 ha.</i>
<i>Annual Irrigation</i>	:	<i>41,794 ha.</i>

Chief Engineer (PAO) informed that the project envisaged extension of Left and Right Bank Canal of Upper Indravati Multipurpose Project to provide annual irrigation benefit of 41,794 ha. in Kalahandi District of Orissa. The proposal has been framed by the State Government in place of lift canal of Upper Indravati Project. The present intensity of irrigation is 164% whereas the intensity of irrigation approved for Upper Indravati Project was 170%. Secretary (MOWR) desired to know the area proposed to be commanded by the Lift Canal in the Upper Indravati Project. Representative from Orissa informed that command under lift irrigation was 32,000 ha. It was felt that water availability should not be a problem in this project as the command under flow irrigation of this extension project is less than 32,000 ha. and intensity of irrigation has also been reduced. He further emphasized the need of the project as this project benefitted drought prone area of KBK Region of Orissa. Representative of Ministry of Agriculture was of the view that the funds allotted for KBK Region should be utilized fully for irrigation development of that area only and should not be diverted for development in other area. He was also of the view that possibility of conjunctive use of surface and ground water in this area should be examined and use of ground water be encouraged as large number of projects are coming in this area. Regarding forest land, representative from the State Government intimated that no such land was involved in this project. After discussion, the project was accepted subject to following conditions:

- (i) Environmental ^{and forest} clearance from Ministry of Environment & Forests;
- (ii) Clearance of R&R Plan from Ministry of Welfare;
- (iii) Concurrence of State Finance Department for updated cost of Rs. 136.67 Cr.; and
- (iv) Monitoring of ground water data in post project condition to consider conjunctive use of surface and ground water in future.

(Action: State Government)

6. JAM IRRIGATION PROJECT- MAHARASHTRA (NEW-MEDIUM)

<i>Estimated Cost</i>	:	<i>Rs. 42.63 Cr.</i>
<i>CCA</i>	:	<i>6,804 ha.</i>
<i>Annual Irrigation</i>	:	<i>5,474 ha.</i>

The project had earlier been considered by the Advisory Committee in its meeting held in May 1986 and found acceptable for Rs. 11.75 Cr. subject to provision of adequate fund in the 7th Five Year Plan and Annual Plan and approval of diversion of forest land. CE (PAO), CWC informed that this project has now been included in the 9th Five Year Plan and provision of Rs. 5.27 Cr. has been made in the Annual Plan for 1998-99. Further Ministry of Environment and Forests had accorded forest clearance in January 1994. It was also informed that the project is getting financial assistance from NABARD. Secretary (MOWR) desired to know the status of progress of work. Representative from Maharashtra intimated that Head Works is almost complete while 50% of canal network has been completed. He also intimated that a sum of Rs.35 Cr. has already been spent on this project. Regarding R&R package it was informed that the persons effected by the project had been rehabilitated by the Project Authority. It was pointed out that the clearance of R&R Plan should be obtained from the Ministry of Welfare as this project affects tribal population. Representative from Maharashtra also informed that the concurrence of State Finance Department had already been accorded for Rs. 40.6 Crore and enclosed in the Project Report. After discussions, the project was accepted subject to clearance of R&R Plan from Ministry of Welfare and concurrence of State Finance Department for the accepted cost of Rs. 42.63 Crore.

(Action: State Government)

7. PUNASI RESERVOIR PROJECT – BIHAR (NEW-MAJOR)

<i>Estimated Cost</i>	:	<i>Rs.221.65 Cr.</i>
<i>CCA</i>	:	<i>30,325 ha.</i>
<i>Annual Irrigation</i>	:	<i>24,292 ha.</i>

The project had earlier been considered by the Advisory Committee in its 15th Meeting held on 28.11.1980 and was accepted for Rs. 26.09 Cr. subject to following observations:

- (i) To study for determining the benefits from the additional live storage and its incorporation in benefit-cost ratio.
- (ii) To formulate proposal for the rehabilitation of the persons affected by this project keeping in view the contents of Ministry of Irrigation letter No. 26(9)/80-P.C. dt. 19.5.1980.
- (iii) To furnish concurrence of the State Finance Department.
- (iv) Planning and implementation of Soil Conservation Measures by catchment area treatment.
- (v) To examine the possibility of extending irrigation on the right bank.
- (vi) To obtain environmental clearance from the Department of Science and Technology.

Chief Engineer (PAO), CWC informed about compliances of TAC observations made by the State Government. Chairman, CWC was of the view that hydrology of such projects, which are being put up after 10 to 15 years should be updated. Secretary (MOWR) also agreed with his view and stated that guidelines in this regard should be sent to all concerned. Further, he desired to know the status of progress of work. Representative from Bihar intimated that about 50% of the dam alongwith a part of canal network had already been constructed and only river needed to be plugged to provide partial irrigation benefit from the Project. He also informed that a sum of Rs. 58 Cr. had already been spent on the project and they were trying to provide some irrigation benefits to the farmers from the coming kharif season. Representative from Ministry of Agriculture wanted that area under rabi crop should be increased as additional live storage was available in the reservoir. Secretary, MOWR was of the view that water available would not be much as the 75% dependable yield was less than the live storage of the reservoir. Regarding environmental and forest clearance, representative of Bihar intimated that the environmental clearance to the project was accorded by Ministry of Environment & Forests in June 1982. However, forest clearance of the project from Ministry of Environment & Forests

is yet to be obtained as an area of 146.54 ha. barren forest land was involved in this project. After discussion, the project was accepted subject to:

- (i) Forest clearance from Ministry of Environment & Forests;
- (ii) Clearance of R&R Plan from Ministry of Welfare; and
- (iii) Concurrence of State Finance Department for updated cost of Rs. 221.65 Cr.

(Action: State Government)

The meeting ended with vote of thanks to the Chair.

Annexure - ILIST OF PARTICIPANTSMEMBERS OF COMMITTEE:

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|---|------------------|
| 1. Z.Hasan, Secretary, Ministry of Water Resources. | In the Chair |
| 2. A.D.Mohile, Chairman, CWC. | Member |
| 3. K.K. Narang, Director (I&CAD), Planning Commission (Representing Adviser, I&CAD, Planning Commission) | Member |
| 4. V.M.Sikka, Director, CGWB (Representing Chairman,CGWB) | Member |
| 5. M.M.Rawal, Director, CEA (Representing Chairman, CEA) | Member |
| 6. Dr.D.K.Paul, Principal Scientist (Representing Director General of (ICAR) | Member |
| 7. R.K.Srivastava, Assistant Commissioner(Crops) (Representing, Secretary, Department of Agriculture and Cooperation) | Member |
| 8. Rakesh Ranjan, Director Finance (Representing Financial Adviser, MOWR). | Member |
| 9. R.N.P. Singh, Chief Engineer (PAO) | Member Secretary |

Special Invitees:

1. R. S.Prasad, Member (WP&P), CWC.
2. B.K.Mittal, Member (D&R), CWC.
3. S.M.Sood, Joint Commissioner (Project), MOWR.

CWC Officers:

1. R.B.L.Tewari, Chief Engineer (PPO), CWC.
2. M.K.Sinha Director (PA-N), CWC.
3. R.K.Khanna, Director, CA (I), CWC.
4. A.S.P. Sinha, Director (PA-C), CWC.
5. S.T.Hasnain, Director (PA-S), CWC
6. K.N.Keshri, Director (EIA), CWC.
7. S.P.Singh, Director (PP-N&S), CWC.
8. B.G.Kaushik, Director (PP-C), CWC.
9. N.C.Chakrabarty, Director (M&A), CWC, Shimla.
10. A.Mahendran, Director (Appraisal), CWC, Nagpur.
11. Jhamman Singh, Director (M&A), CWC, Guwahati.
12. Ram Saran, Dy. Director (PA-N), CWC.
13. R.N.Ray, Dy. Director (PA-N), CWC.
14. R.K.Jain, Dy. Director (PA-S), CWC.
15. Jalal-Uddin, Deputy Director (PP-C), CWC
16. D.N.Dahiya, Dy. Director (PA-C), CWC.
17. R.C.Malhotra, Deputy Director (PP-N&S), CWC.
18. R.N.Dakshy, EAD (PA-N), CWC.
19. P.K.Barman, EAD (PA-N), CWC.
20. S.B.Dey, EAD (PA-N), CWC.
21. G.Rami Reddy, EAD (PA-N), CWC.

State Government Officers:

Bihar

1. P.N.Sinha, Chief Engineer, WRD, Deogarh.

Himachal Pradesh:

1. D.R.Gupta, Superintending Engineer, Shimla.
2. P.S.Verma, Ex.Engineer, IPH, Bilaspur.

Maharashtra:

1. A.G.Patil, Executive Engineer, Medium Project Division, Nagpur.
2. P.V.Morghade, Assistant Engineer (Gr.I), Medium Project Division, Nagpur.

Orissa:

1. G.C.Sahu, Chief Engineer, Upper Indravari Project.
2. K.C.Panda, L.O., Department of Water Resources, Govt. of Orissa.