

1808-33

No. 16/27/2015-PA (N)/  
Government of India  
Central Water Commission  
Project Appraisal Organization

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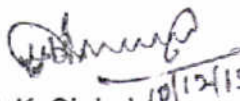
Date: 10/12/2015

**Sub: 127<sup>th</sup> meeting of the Advisory Committee for consideration of techno-economic viability of Major & Medium Irrigation, Flood Control and Multi-purpose project proposals held on Friday, 13<sup>th</sup> November, 2015 in New Delhi.**

A copy of the Summary Record of Discussions of the subject meeting held on 13<sup>th</sup> November, 2015 in New Delhi is enclosed herewith for information and further necessary action please.

Comments, if any, may kindly be forwarded to the undersigned within 15 days.

Encl: As above

  
(Dr. M. K. Sinha) 10/12/15  
Chief Engineer (PAO) &  
Member Secretary of the  
Advisory Committee

To

**Members of Committee:**

1. Chairman, CWC, Sewa Bhawan, R. K. Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, 1<sup>st</sup> Floor, North Block, New Delhi.
3. Secretary, Department of Power, Room No. 205, S.S. Bhawan, II<sup>nd</sup> Floor, New Delhi.
4. Secretary, Ministry of Environment, Forests & CC, 4<sup>th</sup> Floor, Prithvi Block, Indira Paryavaran, Jor Bagh, New Delhi.
5. Secretary, Department of Agriculture, Cooperation & Farmers Welfare, R.No. 126, Krishi Bhawan, New Delhi.
6. Secretary, Ministry of Tribal Affairs, Room No. 738, A-Wing, Shastri Bhawan, New Delhi.
7. Director General, ICAR, Room No-108, Krishi Bhawan, New Delhi.
8. Chairman, CEA, Sewa Bhawan, R. K. Puram, New Delhi.
9. Chairman, Central Ground Water Board, Jam Nagar House, New Delhi.
10. Adviser (Power), NITI Aayog, Room No. 248, Yojana Bhawan, New Delhi.
11. Adviser (WR), NITI Aayog, Room No. 230, Yojana Bhawan, New Delhi.
12. Joint Secretary & Financial Adviser, MoWR, RD & GR, Room No-401, S.S. Bhawan, New Delhi.

Special Invitees:

13. Member (WP&P), CWC, New Delhi.
14. Member (D&R), CWC, New Delhi.
15. Member (RM), CWC, New Delhi.
16. Chairman, GFCC, Patna
17. Principal Secretary, Water Resources Department, Government of Jharkhand, Nepal House, Ranchi-834 002 (Jharkhand).
18. Principal Secretary, Irrigation Department, Government of Punjab, Secretariat, Chandigarh-160 001.
19. Principal Secretary, Water Resources Department, Government of Rajasthan, Secretariat, Jaipur-302 005.
20. Principal Secretary, Irrigation & Water Resources Department, Government of Uttar Pradesh, Sachivalaya Annexe, Lucknow-226 001 (U.P.).
21. Commissioner (State Projects), MoWR, RD & GR, Room No-411, S. S. Bhawan, New Delhi.
22. Commissioner (FM), MoWR, RD & GR, CGO Complex, 11th Block, 8th Floor, Lodhi Road, New Delhi.
23. Chief Advisor (Cost), Department of Expenditure, Ministry of Finance, 2nd Floor, Lok Nayak Bhawan, New Delhi.
24. Chief Engineer (IMO), CWC, New Delhi.
- ✓ 25. Director, SM Directorate, CWC, The Summary Record of Discussions may please be uploaded in the CWC website. at [www.cwc.gov.in/main/webpages/TAC%20minutes.html](http://www.cwc.gov.in/main/webpages/TAC%20minutes.html)

Copy for information to:

26. Sr. PPS to Secretary, MoWR, RD & GR, Room No. 407, Shram Shakti Bhawan, New Delhi.

AD-II

SMA अनु/Sec/निर्देश/Dte.  
ऑर.सं./Dy. No. 252  
दिनांक/DL 15/3/16

Government of India  
Ministry of Water Resources, River Development & Ganga Rejuvenation  
**Central Water Commission**

**SUMMARY RECORD OF DISCUSSIONS OF THE 127<sup>TH</sup> MEETING OF THE ADVISORY COMMITTEE FOR CONSIDERATION OF TECHNO-ECONOMIC VIABILITY OF MAJOR & MEDIUM IRRIGATION, FLOOD CONTROL AND MULTI-PURPOSE PROJECT PROPOSALS HELD ON FRIDAY, 13<sup>TH</sup> NOVEMBER, 2015 IN NEW DELHI**

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The 127<sup>th</sup> meeting of the Advisory Committee of Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR, RD&GR) for consideration of techno-economic viability of major & medium irrigation, flood control and multi-purpose project proposals was held under the Chairmanship of Shri Shashi Shekhar, Secretary to the Government of India, MoWR, RD&GR on Friday, 13th November, 2015 at 11:00Hrs in New Delhi. The list of members of the Committee or their representatives/nominees and Special Invitees and Officers from various Ministries/Organizations and representatives of State Governments, who attended the meeting, is at Annex-I.

At the outset, the Secretary (WR, RD & GR) and Chairman, Advisory Committee welcomed the participants and asked the Member Secretary to take up the agenda items.

**(i) Confirmation of the minutes of 126<sup>th</sup> meeting of the Advisory Committee**

CE (PAO), CWC and Member Secretary informed that the 126<sup>th</sup> meeting of the Advisory Committee of MoWR, RD&GR on Irrigation, Flood Control and Multi-purpose Projects was held on 16.07.2015. Summary Record of Discussions was circulated vide letter No. 16/27/2015-PA(N)/1033-1060 dated 30.07.2015. As no comment had been received on the Summary Record of Discussion, the same was confirmed.

**(ii) Follow up of Discussions of previous Meetings**

**Karnataka Integrated and Sustainable Water Resources Management Investment Program (KISWRMIP), Tranche-2 (Major, ERM, Estimated Cost Rs. 3593.90 Crore (PL 2013-14))**

CE (PAO), CWC and Member Secretary informed that during previous, i.e., 126<sup>th</sup> meeting, above proposal was deferred for want of State Finance Concurrence (SFC) and exploring the possibility of promoting micro irrigation and less water consuming crops in the region. In spite of reminder to the State Government, compliance had not been received. He, further, stated that during the previous meeting, the Committee felt that delay in receipt of SFC may necessitate cost revision and returning the project proposals to the State Government.

The Advisory Committee decided that the Project may be taken as 'deemed returned' with the proviso that the State Govt., if they desire, may resubmit the Project Proposal afresh with updated cost for techno-economic appraisal.

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

**A. Flood Control Projects**

**1. Anti-erosion work on the right Bank of the Ganga river from Rafatola to Srighar 10 No. in Sahibganj District (Estimated Cost Rs. 52.63 Cr)**

CE (PAO), CWC and Member Secretary informed that the proposed Scheme envisages anti-erosion measures through revetment and bed bars, which would benefit a population of 85000 and 3700 ha of agricultural land in Sahibganj district of Jharkhand. The Scheme has been examined in GFCC and found techno-economically viable at cost of Rs. 52.63 crore with Benefit Cost ratio of 3.22.

The Secretary (WR, RD & GR) enquired whether feasibility of adoption of porcupines in place of revetment had been examined. Porcupines had been found effective elsewhere besides being environment friendly as they lead to silt deposition and stabilization of slope. He emphasized that for anti-erosion works, different bank protecting technologies be compared and best suitable technology/arrangement should be used. The State Govt. representative submitted that as revetment had already been used in past and have shown good performance so revetment had been proposed. The work had already been started based on techno-economic examination by GFCC in year 2014-15 and is in progress and an expenditure of Rs. 26 crores have already been incurred on the project till date.

The proposed Scheme had been recommended by GFCC for acceptance by Advisory Committee. After deliberation, the Advisory Committee accepted the proposal without any assurance of Central Assistance and with the suggestion that GFCC and Project Authority should explore the possibility of adoption of porcupines for the remaining work.

**B. Irrigation and Multi-purpose Projects**

**1. Revised Cost Estimate of Relining of Rajasthan Feeder from RD 179000 To 496000, Punjab (Revised Major, ERM, Estimated Cost Rs. 1305.267 Crore (PL 2015))**

CE (PAO), CWC and Member Secretary informed that the proposal envisages relining of Rajasthan Feeder Canal from RD 179000 to 496000, which would benefit Ganganagar, Hanumangarh, Churu, Bikaner, Jodhpur, Jaisalmer and Barmer districts of Rajasthan. The relining would save 752 cusecs, which would be utilized in stabilising/ improving irrigation in 93117 Ha (Irrigation intensity 200%, Annual irrigation 186234 Ha). The proposal was last accepted in the 98<sup>th</sup> meeting of the Advisory Committee held on 09.07.2009 for Rs. 952.10 crore (PL 2008). The present proposal has revised estimated cost of Rs. 1305.267 crore at 2015 Price Level with benefit cost ratio of 2.49.

Raising objection on citing non-release of funds by MoWR, RD&GR as one of the reason for delay in starting the project by the State Government, Commissioner (SPR), MoWR, RD&GR stated that the fund could not be released due to non-submission of



Utilization Certificate by the State Government and non-submission of proposal as per approved Guidelines.

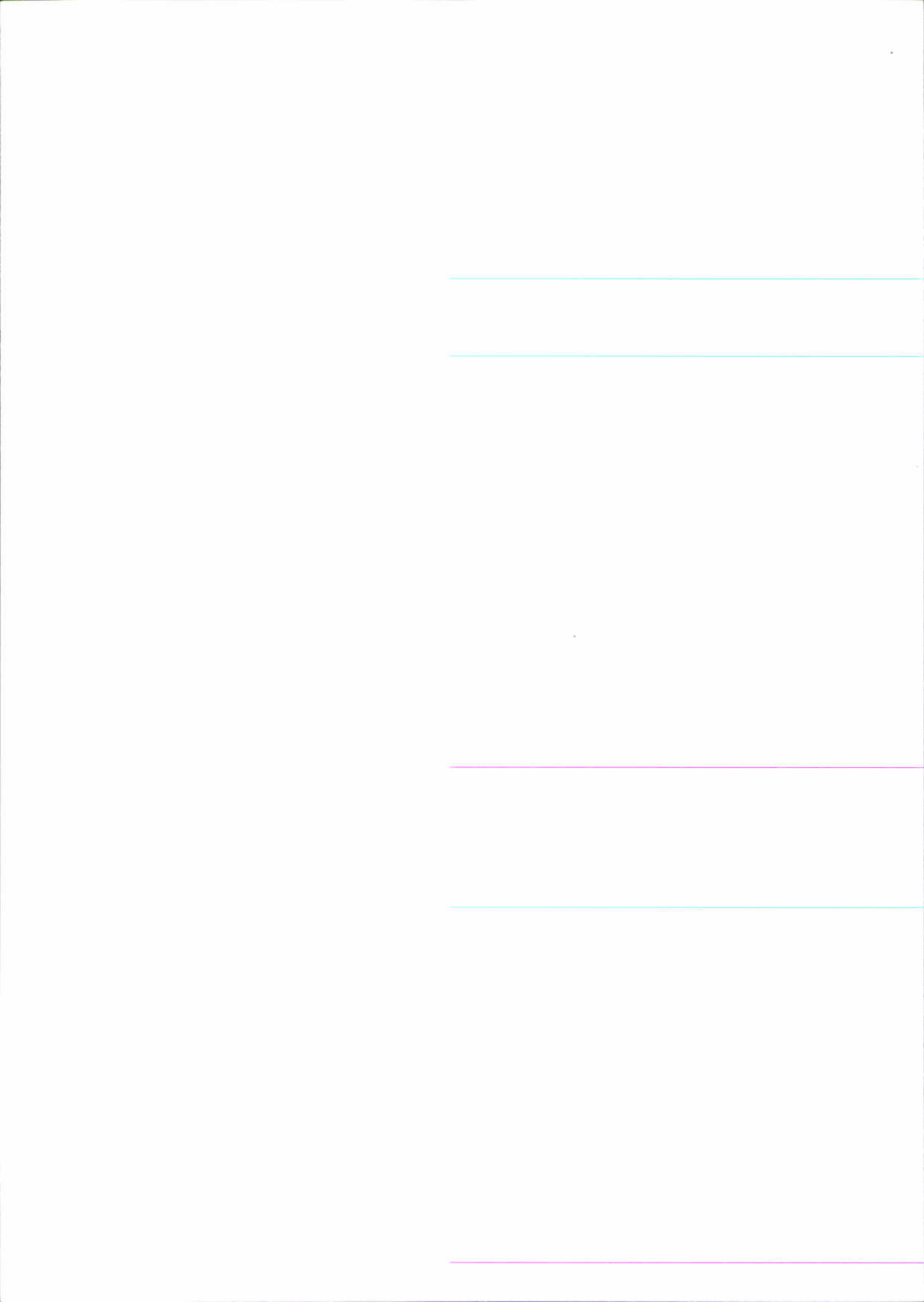
Explaining change in design, which has resulted into 69.5% increase in cost, the Chief Engineer, Punjab stated that an Expert Group under the Chairmanship of Member (D&R) with experts from IIT Chennai, IIT Roorkee had reviewed the design and suggested improvement in specifications with provisions of additional longitudinal drain, re-designing of breaches incorporation of geo-membranes, change in side-slopes, etc. Though provision of lining would reduce slightly the cross-sectional area, more discharge can be carried by canal with same depth due to reduction in roughness coefficient.

The Govt. of Rajasthan representative stated that a project proposal (which has been submitted for JICA funding) for relining of the canal in Rajasthan State is also under techno-economic appraisal in CWC and full benefit can be obtained only after implementation of that project. Observing that Benefit-Cost ratio had been worked out taking cost of the Punjab part only, the Secretary (WR, RD&GR) suggested that cost of the Rajasthan part should also be considered together. The command area, projected yield, etc., need to be got confirmed. He directed that a team of CWC Officers should visit the project site and command area and confirm the following;

- (i) The extent of lining proposed and probable saving of water,
- (ii) Possible extent of irrigation from the water additionally made available from saving due to lining,
- (iii) The present irrigation coverage of the existing command area and crop wise yield,
- (iv) Projected command area cropping pattern and projected yield and their basis including other inputs required for projected yield and their availability in the area,
- (v) Scenario analysis when the saving of water projected is likely to be less and consequent impact on crop yield and gross sown area,
- (vi) Seepage losses considered before repairs and after repairs, their basis and impact on the project viability, and
- (vii) Benefits from area in Punjab, which would be reclaimed from water logging due to reduction in seepage losses.

Chairman, CWC informed that a team of Officers headed by Chief Engineer (PPO) were already visiting the command area in Rajasthan. The same team along with representative of Irrigation Planning Directorate of CWC would visit the Project and submit its report in a week's time.

CWC has recommended the proposal for acceptance by Advisory Committee. After some deliberation, the Advisory Committee suggested that the proposal, particularly, BC ratio calculation, be reviewed in light of the Inspection Report of the Team of Officers. Design changes may also be got vetted by CWC Design Units.



**2. Revised Cost Estimate of Relining of Sirhind Feeder From RD 119700 To 447927, Punjab (Revised Major, ERM, Estimated Cost Rs. 671.478 Crore (PL 2015))**

CE (PAO), CWC and Member Secretary informed that the proposal envisages relining of Sirhind Feeder Canal from RD 119700 to 447927, which would benefit Faridkot, Muktsar & Ferozepur districts of Punjab and Ganganagar & Hanumangarh districts of Rajasthan. The relining would save 256 cusecs, which would be utilized in stabilising/improving irrigation in 34548 Ha (Irrigation intensity 200%, Annual irrigation 69096 Ha). The proposal was last accepted in the 98<sup>th</sup> meeting of the Advisory Committee held on 09.07.2009 for Rs. 489.165 crore (PL 2008). The present proposal has revised estimated cost of Rs. 671.478 crore at 2015 Price Level with benefit cost ratio of 2.24.

The Advisory Committee noted that this project proposal is similar to the earlier proposal in respect of relining of Rajasthan Feeder. Therefore, objections of Commissioner (SPR), MoWR, RD&GR regarding non-release of fund, issues related to change in design, verification by a Team of CWC Officers and review of BC ratio calculation, as in case of Rajasthan Feeder would equally apply to this project proposal also.

As regards, requirement of land acquisition, the State Govt. representative from Punjab submitted that some land is needed to be acquired for construction of escapes for safe passage of canal water in the eventuality of canal breach in order to save the villages and fields from flooding.

CWC has recommended the proposal for acceptance by Advisory Committee. After some deliberation, the Advisory Committee suggested that the proposal, particularly, BC ratio calculation, be reviewed in light of the Inspection Report of the Team of Officers. Design changes may also be got vetted by CWC Design Units within one week time and subject to these being in order, project may be recommended.

**3. Revised Cost Estimate of Extension, Renovation and Modernization of Canals being fed from river Sutlej (Revised Major, ERM, Estimated Cost Rs. 918.25 Crore (PL 2013-14))**

CE (PAO), CWC and Member Secretary informed that the proposal of Extension, Renovation and Modernization of Canals being fed from river Sutlej would benefit Ludhiana, Moga, Ferozepur, Sangrur, Faridkot, Mansa, Barnala, Bathinda, Muktsar Sahib, Jalandar, Hoshiarpur, Shaheed Bhagat Singh Nagar and Kapurthala districts of Punjab. The proposal was last accepted in the 103<sup>rd</sup> meeting of the Advisory Committee held on 11.03.2010 for Rs. 734.46 crore (PL 2010). The present proposal has revised estimated cost of Rs. 918.25 crore at 2014 Price Level with benefit cost ratio of 1.82. Revision of the cost has been necessitated due to price rise only and as such only broad examination had been carried out in CWC as per para 4.4 of the Guidelines for Submission, Appraisal and Clearance of Irrigation and Multi-purpose Projects, 2010.

CWC has recommended the proposal for acceptance by Advisory Committee. After deliberation, the Advisory Committee accepted the Project proposal without any assurance of central assistance and subject to submission of Certificate from State CDO that the canals are working well for last 5 years with existing designs.

#### **4. Revised Cost Estimate of Arjun Sahayak Pariyojna (Revised Major, Estimated Cost Rs. 2593.93 Crore (PL 2015))**

CE (PAO), CWC and Member Secretary informed that the proposal envisages irrigation benefit in 1,49,764 Ha (CCA) in Mahoba, Banda and Hamirpur districts of Uttar Pradesh with annual irrigation in 59,485 Ha. The proposal was last accepted in the 100<sup>th</sup> meeting of the Advisory Committee held on 09.10.2009 for Rs. 806.50 crore (PL 2008). The present proposal has revised estimated cost of Rs. 2593.93 crore at 2015 Price Level with benefit cost ratio of 1.13, which is acceptable being in drought prone areas. He, further, informed that the State Finance Concurrence has not been received so far.

The Chief Engineer, Irrigation Department, Uttar Pradesh explained the project layout, features and envisaged benefits. He pointed out that this is basically inter-linking of rivers project. He, further, explained that the cost escalation is mainly due to increase in cost of land acquisition, i.e., approximately Rs. 1100 crores (56% of total increase in project cost).

The Secretary (WR, RD & GR) enquired about the status of project construction. The State Govt. representative submitted that the Lahchura dam works are complete and the progress in Kabrai dam and Arjun feeder canal is 60% and 70% respectively.

In view of the fact that the SFC has not been received till date, the Committee deferred the proposal to the next meeting.

The Secretary (WR, RD & GR) suggested that in future actual site photographs with proposals should be included in presentation for better understanding by the Committee Members.

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

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**127<sup>th</sup> MEETING OF THE ADVISORY COMMITTEE FOR CONSIDERATION OF TECHNO-ECONOMIC VIABILITY OF MAJOR & MEDIUM IRRIGATION, FLOOD CONTROL AND MULTI-PURPOSE PROJECT PROPOSALS HELD ON FRIDAY, 13<sup>TH</sup> NOVEMBER, 2015 IN NEW DELHI.**

**LIST OF PARTICIPANTS**

Shri Shashi Shekhar, Secretary, MoWR, RD & GR

**Chairman**

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

- |    |                                                                                                                |                  |
|----|----------------------------------------------------------------------------------------------------------------|------------------|
| 1. | A.B.Pandya, Chairman, Central Water Commission                                                                 | Member           |
| 2. | Dr. E.Sampath Kumar, Member, Central Ground Water Board (Representing Chairman, Central Ground Water Board.    | Member           |
| 3. | Jitendra Kumar, Advisor, NITI Aayog.                                                                           | Member           |
| 4. | Umesh Dongre, Advisor (Cost), Dept. of Expenditure (Representing Secretary (Expenditure), Ministry of Finance) | Member           |
| 5. | Bhajan Lal, Assistant Commissioner (Representing Secretary, Deptt. of Agriculture & Cooperation)               | Member           |
| 6. | Uttam Kumar Kar, Under Secretary, M/o Tribal Affairs (Representing Secretary, MoTA).                           | Member           |
| 7. | Dr. M.K.Sinha, Chief Engineer, Project Appraisal Organization, Central Water Commission                        | Member Secretary |

**MoWR, RD & GR/Central Water Commission  
S/Shri**

1. G.S Jha, Member (D&R) & Chairman, GFCC
2. Narendra Kumar, Member (RM) & I/C Member (WP&P) CWC
3. Pradeep Kumar, Commissioner (State Projects), MoWR, RD & GR
4. Pramod Narayan, Director, Project Appraisal (South), CWC
5. Rajesh Kumar, Director, IP(N), CWC
6. G.L.Bansal, Director, IP(S), CWC
7. Vivek Pal, Director, Project Appraisal (North), CWC
8. Sudhir Kumar, Deputy Director, Project Appraisal (South), CWC
9. Piyush Ranjan, Deputy Director, Project Appraisal (Central), CWC
10. A.K.Singh, Deputy Director, Project Appraisal (North), CWC
11. M.S.Saravana Kumar, Deputy Director, Project Appraisal (North), CWC

**Ganga Flood Control Commission  
S/Shri**

1. G.S.Jha, Chairman,
2. G.Thakur, Member (C)
3. Manoj Kumar, Director (MP-I)

**Officers from State Governments:**

**Jharkhand**

**S/Shri**

1. Santosh Kumar, Engineer-in-Chief, WRD
2. Ashok Kumar, Chief Engineer, Project Monitoring and Planning, WRD
3. Awadesh Kumar, Executive Engineer, Ganga Pump Canal Division, WRD, Sahibganj

**Punjab**

**S/Shri**

1. G.S.Wason, Chief Engineer (Canal), Punjab Irrigation Department
2. Ashish Midha, Superintending Engineer, Punjab Irrigation Department, Patiala.
3. Sandeep Kumar, SDO, Canal Lining, Punjab Irrigation Department, Ferozpur
4. Nitin Sood, SDO, Canal, Punjab Irrigation Department, Moga.

**Rajasthan**

**S/Shri**

1. Sumnesh Mathur, Addl. Secretary cum Chief Engineer, WRD
2. Raj Kumar Choudhary, Chief Engineer, WRD
3. Saroj Sharma, Liason Officer, WRD

**Uttar Pradesh**

**S/Shri**

1. Anil Kumar Sagar, Secretary, Irrigation and Water Resources Department.
  2. V.K. Gupta, Chief Engineer, Project Betwa, Irrigation and Water Resources Department.
  3. Kalka Prasad, Junior Engineer, Mahoba, Irrigation and Water Resources Department.
-



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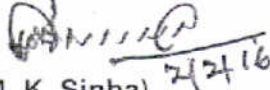
Date: 03.02.2016

**Sub: 127<sup>th</sup> meeting of the Advisory Committee for consideration of techno-economic viability of Major & Medium Irrigation, Flood Control and Multi-purpose project proposals held on Friday, 13<sup>th</sup> November, 2015 in New Delhi.**

Please refer to the Summary Record of Discussions of the subject meeting held on 13th November, 2015 in New Delhi issued vide CWC Lr. No. 16/27/2015-PA (N)/1808-33 dated 10.12.2015. During the meeting, the Advisory Committee suggested that a team of CWC officers should visit the Project site and Command area of two proposals "*Revised Cost Estimate of Relining of Sirhind Feeder From RD 119700 To 447927, Punjab (Revised Major, ERM, Estimated Cost Rs. 671.478 Crore (PL 2015))*" and "*Revised Cost Estimate of Relining of Rajasthan Feeder from RD 179000 To 496000, Punjab (Revised Major, ERM, Estimated Cost Rs. 1305.267 Crore (PL 2015))*". It was also decided that the proposals shall be reviewed in light of the Inspection Report of the Team of Officers. Design changes may also be got vetted by CWC Design Units and subject to these being in order, project may be recommended.

In pursuance, a Team of Officers comprising Commissioner (SPR), MoWR, RD & GR, CE(PPO) and other Officers of CWC and Officers from State Governments of Rajasthan and Punjab inspected the Indira Gandhi Main Canal and Rajasthan Feeder in Punjab, Haryana and Rajasthan. The design aspects of the above project proposals has been got vetted by Barrage & Canal Design Directorate of CWC. The irrigation planning aspects have also been got reviewed by the IMO, CWC.

Based on the reviews carried out by the Team of Officers, Design Unit and IMO of CWC, the above schemes are found acceptable. The details of the review is given as Annexure.

  
(Dr. M. K. Sinha)  
Chief Engineer (PAO) &  
Member Secretary of the  
Advisory Committee

To

**Members of Committee:**

1. Chairman, CWC, Sewa Bhawan, R. K. Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, 1<sup>st</sup> Floor, North Block, New Delhi.
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16. Chairman, GFCC, Patna
17. Principal Secretary, Irrigation Department, Government of Punjab, Secretariat, Chandigarh-160 001.
18. Principal Secretary, Water Resources Department, Government of Rajasthan, Secretariat, Jaipur-302 005.
19. Commissioner (State Projects), MoWR, RD & GR, Room No-411, S. S. Bhawan, New Delhi.
20. Commissioner (FM), MoWR, RD & GR, CGO Complex, 11th Block, 8th Floor, Lodhi Road, New Delhi.
21. Chief Advisor (Cost), Department of Expenditure, Ministry of Finance, 2nd Floor, Lok Nayak Bhawan, New Delhi.
22. Chief Engineer (IMO), CWC, New Delhi.
23. Director, SM Directorate, CWC, - with a request to upload in the CWC website.

**Copy for information to:**

24. Sr. PPS to Secretary, MoWR, RD & GR, Room No. 407, Shram Shakti Bhawan, New Delhi.



Government of India  
Ministry of Water Resources, River Development & Ganga Rejuvenation  
**Central Water Commission**

**1. Revised Cost Estimate of Relining of Sirhind Feeder From RD 119700 To 447927, Punjab (Revised Major, ERM, Estimated Cost Rs. 671.478 Crore (PL 2015))**

The proposal envisages relining of Sirhind Feeder Canal from RD 119700 to 447927, which would benefit Faridkot, Muktsar & Ferozepur districts of Punjab and Ganganagar & Hanumangarh districts of Rajasthan. The relining would save 256 cusecs, which would be utilized in stabilising/ improving irrigation in 34548 Ha (Irrigation intensity 200%, Annual irrigation 69096 Ha). The proposal was last accepted in the 98<sup>th</sup> meeting of the Advisory Committee held on 09.07.2009 for Rs. 489.165 crore (PL 2008). The present proposal has revised estimated cost of Rs. 671.478 crore at 2015 Price Level with benefit cost ratio of 2.24.

The Team of Officers has made no observations with regard to irrigation planning aspects including BC ratio and on the water saving aspects of Sirhind Feeder. The design aspects have already been got vetted by the CWC design unit. There is no project proposal from Govt. of Rajasthan on the Rajasthan portion of the Sirhind Feeder. As such, the project proposal would remain the same. Accordingly the Project proposal has been accepted.

**2. Revised Cost Estimate of Relining of Rajasthan Feeder from RD 179000 To 496000, Punjab (Revised Major, ERM, Estimated Cost Rs. 1305.267 Crore (PL 2015))**

The proposal envisages relining of Rajasthan Feeder Canal from RD 179000 to 496000, which would benefit Ganganagar, Hanumangarh, Churu, Bikaner, Jodhpur, Jaisalmer and Barmer districts of Rajasthan. The proposal was last accepted in the 98<sup>th</sup> meeting of the Advisory Committee held on 09.07.2009 for Rs. 952.10 crore (PL 2008).

The Team of Officers observed that the saving of water would be about 560 cusecs as against earlier indicated saving of 752 cusecs. The Team of Officers had also revised BC ratio to be 1.69 (instead of 2.49 earlier) taking data of cropping pattern and irrigation planning of Govt. of Rajasthan. The design aspects have already been got vetted by the CWC design unit.

The CE (PPO) has reported that the Government of Rajasthan has submitted estimates for relining of canals in Rajasthan State, i.e., Rajasthan Water Sector Restructuring Project in Desert Area (RWSRPDA) submitted for JICA funding. This inter-alia includes relining of Indira Gandhi Feeder canal and Main Canal at an estimated cost of Rs. 1257.62 crore, which are extensions of Rajasthan Feeder in Haryana and Rajasthan. However, DPR with technical details on hydrology, irrigation

planning, inter-State aspects, design and BC ratio have not been submitted. In absence of these details consideration of cost and benefits of the project proposal in Rajasthan State is not feasible. In fact, Indira Gandhi Nahar Pariyojana (Phase I) has a CCA of 5.53 lakh ha, whereas the benefitted area due to Rajasthan feeder is only 51131 ha during Rabi season and 47608 ha during Kharif season. Therefore, costs and benefits from RWSRPDA of Rajasthan State may be considered separately.

Team of Officers has already worked out BC ratio as 1.69 which is greater than 1.5. Accordingly the Project proposal has been accepted.

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