

No. 16/27/2019-PA (N)/ 503-611
Government of India
Central Water Commission
Project Appraisal Organization

Telefax: 011-29583512
Email: cepriap@nic.in

7th Floor (S), Sewa Bhawan,
R. K. Puram, New Delhi-66
Dated: 18/02/2019

Minutes of Meeting

A copy of the Summary Record of Discussion of the 141st Meeting of the Advisory Committee of MoWR, RD&GR on Irrigation, Multipurpose and Flood Control Projects, held under the Chairmanship of the Secretary, MoWR, RD&GR on 11/02/2019 at CWC, 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



(C K L Das)
Member Secretary of the Advisory Committee &
Chief Engineer (PAO)

To,

Members of Committee:

1. Chairman, CWC, Sewa Bhawan, R. K. Puram, New Delhi.
2. Secretary (Expenditure), Ministry of Finance, 1st Floor, North Block, New Delhi.
3. Secretary, Department of Power, Room No. 205, S.S. Bhawan, II Floor, New Delhi.
4. Secretary, Ministry of Environment & Forests & CC, 4th 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. Additional Secretary (Energy), NITI Aayog, Room No. 249, Yojana Bhawan, Sansad Marg, New Delhi.
11. Adviser (WR&LR), NITI Aayog, Room No. 209, Yojana Bhawan, Sansad Marg, New Delhi.
12. Joint Secretary & Financial Adviser, MoWR, RD & GR, Room No-401, S.S. Bhawan, New Delhi.

Special Invitees:

1. Additional Secretary, MoWR, RD&GR.
2. Member (D&R), CWC, New Delhi.
3. Member (RM), CWC, New Delhi.

4. Member (WP&P), CWC, New Delhi.
5. Chairman, GFCC, Patna, Bihar
6. Chief Executive Officer, Polavaram Project Authority (PPA), Hyderabad
7. Joint Secretary (IC&GW), MoWR, RD&GR.
8. Member-Secretary, UYRB, New Delhi.
9. Principal Secretary, Irrigation Department, Govt. of Uttarakhand, Dehradun
10. Principal Secretary, Irrigation and Water Resources Dept, Govt. of Uttar Pradesh, Lucknow.
11. Principal Secretary, WRD, Govt. of Andhra Pradesh
12. Chief Advisor (Cost), Department of Expenditure, Ministry of Finance, 2nd Floor, Lok Nayak Bhawan, New Delhi.
13. Commissioner (State Projects), MoWR, RD & GR, Room No-411, S. S. Bhawan, New Delhi.
14. Commissioner (FM), MoWR, RD & GR, CGO Complex, 11th Block, 8th Floor, Lodhi Road, New Delhi.
15. Chief Engineer (PPO), CWC, New Delhi
16. Chief Engineer (IMO), CWC, New Delhi

Copy for kind information to:

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

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

SUMMARY RECORD OF DISCUSSIONS OF THE 141st MEETING OF THE ADVISORY COMMITTEE OF MoWR, RD&GR FOR CONSIDERATION OF TECHNO-ECONOMIC VIABILITY OF MAJOR & MEDIUM IRRIGATION, FLOOD CONTROL AND MULTIPURPOSE PROJECT PROPOSALS HELD ON MONDAY, FEBRUARY 11TH, 2019 AT CENTRAL WATER COMMISSION, NEW DELHI

The 141st Meeting of the Advisory Committee of Ministry of Water Resources, River Development and Ganga Rejuvenation (MoWR, RD&GR) for consideration of the techno-economic viability of Major & Medium Irrigation, Flood Control and Multipurpose Project Proposals was held under the Chairmanship of Shri U.P. Singh, Secretary to the Government of India, MoWR, RD&GR on Monday, 11th February, 2019 at Central Water Commission, Sewa Bhawan, New Delhi. The list of members of the Committee or their representatives/nominees/special invitees and officers from various Ministries/Organizations and representatives of State Government who attended the meeting is at **Annexure**.

I. Confirmation of the Minutes of the 140th meeting of the Advisory Committee

It was informed that the 140th Meeting of Advisory Committee of MoWR, RD&GR for consideration of the techno-economic viability of the Major & Medium Irrigation, Flood Control and Multipurpose Project Proposals was held on 22/01/2019 at MoWR, RD&GR, Shram Shakti Bhawan, New Delhi. The Summary Record of Discussions of the 140th Meeting was circulated vide letter No. 16/27/2018-PA(N)/383-408 dated 30/01/2019. No comments on the same have been received.

The Advisory Committee confirmed the Summary Record of Discussion of the 140th meeting of the Advisory Committee as circulated.

II. Follow up action after the 140th Meeting of the Advisory Committee

A. Revised Cost Estimate (RCE) of the Lakhwar Multipurpose Project, Uttarakhand (National Project, Multipurpose, Estimated Cost Rs. 5747.17 Cr. @ PL July, 2018, BC Ratio 1.016)

During the discussions on the Lakhwar Multi-purpose Project, Uttarakhand in the 140th Meeting, the Advisory Committee noted that *"the cost apportionment amongst power, irrigation and drinking water components needs a relook. The irrigation benefits proposed to be accrued from the project also need a review. The Committee observed that these factors have a bearing on a number of aspects considered during the appraisal."* Therefore, the Project Authority was advised to relook into the same and submit the revised proposal for consideration in the next meeting of the Advisory Committee.

Accordingly, the revised proposal after considering the above views of the Advisory Committee was again put up in the 141st meeting of the Advisory Committee.

A presentation on project was made by the Project Authorities. An introduction to the background of the project was made, wherein it was informed that the original combined Lakhwar-Vyasi Multipurpose Project was approved by Planning Commission in 1976 (for an estimated cost of Rs. 140.97 Cr @ PL 1975). The original Lakhwar-Vyasi Multipurpose Project envisaged the construction of 192m high dam on Yamuna River near Lakhwar village to store 580 MCM of water, a power house (installed capacity 300MW) at foot of the dam, an auxiliary dam (61m high) and a balancing reservoir. The work on the project was initiated by the State Govt. of Uttar Pradesh in 1979. However, the progress of construction of the project works suffered due to the paucity of funds and the construction work was stopped during year 1992.

Further, in July, 2010, the Govt. of Uttarakhand submitted the DPR of Lakhwar Multipurpose Project for techno-economic appraisal in CWC and its 1st revised cost estimate was accepted by the Advisory Committee of MoWR, RD & GR in 116th meeting held on 14.12.2012, for an estimated cost of Rs. 3966.51 Cr @ PL of May, 2012. The Investment clearance to the project was accorded by the Investment Clearance Committee, MoWR, RD & GR in its meeting held on 24.02.2016.

Now, the 2nd revised cost estimate of the project was finalized by CWC as Rs. 5747.17 Cr. @ PL July, 2018. The revision of cost estimate has been necessitated due to price escalation, inadequate provision, change in design etc. However, no change in scope of the project is there.

During discussions the project authorities informed that claim of the State on 12% free power has been done away with and accordingly cost apportionment on power and water components (irrigation and drinking water) works out to be Rs 1074.16 Cr & Rs. 4673.01 Cr respectively. The crop input costs were also revised by adopting 25% enhancement to the earlier input costs of year 2010-11. Further, rates of industrial water supply and drinking water supply have been enhanced as Rs. 62 per KL and Rs. 11 per KL respectively. With the modified benefits, the BC ratio of the project works out to be 1.016, which is acceptable for projects in hilly States.

The Member Secretary of the Committee submitted that as per the Notification of the Planning Commission regarding the Benefit Cost Ratio, it is evident that the BC ratio criterion was not specifically meant for the revised cost estimate proposals. However, the practice of doing so for the RCE proposal is continuing.

After detailed deliberations, the proposal was accepted by the Advisory Committee subject to compliance on following specific conditions by Project Authority:

Specific conditions:

1. Submission of Statutory Clearances (Environment, Forest, Wildlife, Tribal Affairs & R & R etc. especially in light of the Court case in NGT) as applicable, by the Project Authority.
2. Submission of State Finance Concurrence by the Project Authority.

General conditions to be implemented during the project:

1. Correctness of quantities, correctness of supporting documents and fulfilment of conditions of acceptance of DPRs/RCE of specialized Directorates of CWC / CEA by the State Govt. and clearance from other Central/State agencies.
2. Adhering to all the observations/conditions communicated by specialized Directorates of CWC / CEA in respect of hydrology, inter-state aspects, irrigation planning and design aspects.



3. Participatory Irrigation Management (PIM) may be encouraged by the State Govts and Water Users Associations (WUAs) shall be formed at appropriate stage to ensure awareness and participation of farmers in order to achieve the specific objectives. Later on, once project is completed WUAs may be involved in Operation and Maintenance of Canals, Warabandi etc. to ensure PIM.
4. The micro irrigation shall be encouraged in the command as per feasibility.
5. Proper water charges from the farmers shall be collected and this revenue shall be used for Operation & Maintenance (O&M) of project in the future.
6. Minimum environmental flow in the downstream of the river may be ensured as per the prevailing law / as per the terms and conditions stipulated by MoEF & CC.
7. Acceptance of project proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as AIBP, PMKSY, RRR, FMP etc or funding from any external multilateral agency.

B. Project Proposals Considered by the Advisory Committee:

A. Irrigation and Multipurpose Projects:

1. **Revised Cost Estimate (RCE) of the Polavaram Irrigation Project, Andhra Pradesh (RCE, National Project, Multipurpose, Estimated Cost Rs. 55548.87 Cr. @ PL 2017-18, BC Ratio 1.63)**

The Secretary, Water Resources Department, Govt. of Andhra Pradesh and Engineer-in-Chief, WRD, GoAP presented the Salient Features and Revised Cost Estimate proposal of the project. The Indira Sagar (Polavaram Project) Project envisages utilization of 12735.97 Million Cum (449.78 TMC) of water by constructing a dam across the Godavari River at a village near Polavaram in West Godavari district of Andhra Pradesh. The project is proposed for feeding annual gross command area of 4.36 lakh ha spread over four districts of Andhra Pradesh namely, East Godavari, Vishakhapatnam, West Godavari & Krishna. The progress in brief of the project was also discussed in the meeting.

The original proposal of this project was earlier considered by the Advisory Committee in its 95th meeting held on 20.01.2009 and was accepted for Rs. 10151.04 Cr at Price Level (PL) 2005-06. Thereafter, the 1st Revised Cost Estimate (RCE) of

this project was considered by the Advisory Committee in its 108th meeting held on 04.01.2011 and was accepted for Rs. 16010.45 Cr at Price Level (PL) 2010-11. The State Govt. has now submitted 2nd Revised Cost Estimate (RCE) at Price Level (PL) 2017-18. The same was appraised in CWC/CEA and the cost has been finalized for Rs. 55,548.87 Crore (Price Level (PL) 2017-18). The revision in the estimated cost has been necessary due to price escalation, inadequate provision, change in design, increase in quantities/amount in land acquisition etc.

Thereafter, detailed discussions on the RCE proposal were held. The Committee was informed that total enhancement in the cost estimate is of Rs. 39,538.42 Cr (i.e. Rs. 55,548.87 – Rs. 16,010.45 Cr) out of which enhancement due to Land Acquisition and Rehabilitation & Resettlement (LA & RR) is Rs. 30,249.79 Cr (i.e. 77% of the total enhancement). Secretary, WRD, GoAP informed that main reasons for such increase are enhanced compensation after enactment of the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (RFCT, LA & RR Act, 2013) and inadequate provisions of land in earlier estimate of 2010-11 accepted by Advisory Committee of MoWR, RD & GR in 2011.

In line with MoWR, RD & GR letter No. P.31/2/2008-PR/AP/Polavaram/916-919, dated 24.07.2018 the Revised Cost Estimate of Polavaram Irrigation Project in respect of PL 2013-14 has been finalized by CWC at Rs. 27081.62 Cr (Unit-I i.e. Head Works = Rs. 22,114.42 Cr + Unit-II i.e. RMC, LMC & WSC = Rs. 4,967.20 Cr) and same was also presented before the Advisory Committee.

JS & FA asked about the status of State Finance Concurrence. Secretary, WRD, GoAP informed that the same has been communicated vide letter dated 10.02.2019 for Rs 55,548.87 Cr. As regards completion of the project is concerned the Committee was informed that the project will be completed by June, 2020.

After discussions, the Committee accepted the 2nd RCE of Polavaram Irrigation Project for Rs 55,548.87Cr. @ PL 2017-18 subject to compliance on following specific conditions by Project Authority:

Advisory Committee also noted that the Revised Cost Estimate of Polavaram Irrigation Project for Unit-I i.e. Head Works and Unit-II i.e. RMC, LMC & WSC at



2013-14 PL based on the quantities approved in Advisory Committee Meeting held on 04/01/2011 is Rs. 27081.62 Cr.

Specific Conditions:

1. Statutory clearances e.g. Environment, Forest, Wildlife, Tribal Affairs and R & R etc. especially in the light of the Court Cases as applicable.
2. Submission of State Finance Concurrence by the Project Authority.

General conditions to be implemented during the project:

1. Correctness of quantities, correctness of supporting documents and fulfilment of conditions of acceptance of DPRs/RCE of specialized directorates of CWC / CEA by the State Govt. and clearance from other Central/State agencies.
2. Adhering to all the observations/conditions communicated by specialized Directorates of CWC / CEA in respect of hydrology, inter-state aspects, irrigation planning and design aspects.
3. Participatory Irrigation Management (PIM) may be encouraged by State Govts. and Water Users Associations (WUAs) shall be formed at appropriate stage to ensure awareness and participation of farmers in order to achieve the specific objectives. Later on, once project is completed WUAs may be involved in Operation and Maintenance of Canals, Warabandi etc. to ensure PIM.
4. The micro irrigation shall be encouraged in the command as per feasibility.
5. Proper water charges from the farmers shall be collected and this revenue shall be used for Operation & Maintenance (O&M) of project in the future.
6. Minimum environmental flow in the downstream of the river may be ensured as per the prevailing law / as per the terms and conditions stipulated by MoEF & CC.

2. Revised Cost Estimate (RCE) of the Jamrani Dam Multipurpose Project, Uttarakhand (RCE, Major Multipurpose, Estimated Cost Rs. 2584.10 Crore @ PL May, 2018, BC Ratio 1.09)

A presentation on the project was made by the Project Authorities. It was informed that the Jamrani Dam Multipurpose Project, proposed by Govt. of Uttarakhand, envisages construction of Roller Compacted Concrete Gravity Dam near Jamrani village across river Gola, a tributary of river Ram Ganga in district

Nainital, Uttarakhand. Apart from benefit of hydropower to the tune of 14 MW, the project would provide irrigation benefit to 1,50,302 ha CCA in Nainital & Udham Singh Nagar districts in Uttarakhand and Rampur & Bareilly districts in Uttar Pradesh. A Memorandum of Understanding (MoU) has already been signed between the two states of Uttarakhand and Uttar Pradesh for the sharing of cost and benefits of the project.

The Project was earlier approved by the Planning Commission in May, 1975 for Rs.61.25 crore and construction was taken up in the year 1977. The construction of the Barrage at Kathgodam, 40 km length of feeder channels and 80% of distribution system had been completed by 1982 under Phase-I to reap the quick benefits from the project. Further, the 1st Revised Cost Estimate, amounting to Rs. 144.84 Crore (March, 1987 PL), was accepted by the Advisory Committee in the 43rd meeting held in 1989. Now, the 2nd Revised Cost Estimate, amounting to Rs. 2584.10 Crore @ PL May, 2018, with BC ratio 1.09 is put up to the Advisory Committee.

The Chief Engineer, Irrigation Department, Uttarakhand further informed the Committee that Jamrani Dam Multipurpose project is a crucial initiative in view of the drinking water requirements of the area and a provision of 42.70 MCM has been made for drinking water under the project.

After detailed deliberations, the proposal was accepted by the Advisory Committee subject to submission of the following by the Project Authority:

1. State Finance Concurrence for the finalized cost estimate (Rs. 2584.10 cr).
2. Stage-II Forest Clearance.
3. Environmental Clearance.
4. Concurrence of NMCG in respect of e-flow.
5. State Agriculture Department Certificate in respect of rate and yield of agricultural produce.

General conditions to be implemented during the project:

1. Participatory Irrigation Management (PIM) may be encouraged by the State Govts and Water Users Associations (WUAs) shall be formed at appropriate stage to ensure awareness and participation of farmers in order to achieve the specific objectives. Later on, once project is completed WUAs may be involved in Operation and Maintenance of Canals, Warabandi etc. to ensure PIM.
2. The micro irrigation shall be encouraged in the command as per feasibility.

3. Proper water charges from the farmers shall be collected and this revenue shall be used for Operation & Maintenance (O&M) of project in the future.
4. Minimum environmental flow in the downstream of the river may be ensured as per the prevailing law/as per the terms and conditions stipulated by MoEF & CC.
5. Acceptance of project proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as AIBP, PMKSY, RRR, FMP etc or funding from any external multilateral agency.

B. Flood Control Projects:

- 1. Revised Project Estimate for Construction of Khajuha Jhunjunia Andharpurwa Marginal Bund on the left bank of river Rapti in district Shrawasti, Uttar Pradesh (RCE, Estimated Cost Rs. 46.3726 Crore @ PL 2016, BC Ratio 2.60:1)**

A presentation on the project was made by the Project Authority. An introduction to the background of the project was made, wherein it was informed that the scheme has been formulated to overcome the damages due to flood water of river Rapti towards the left side of river. The Project Authority informed that during the floods, the water spreads in vast area and reached up to district headquarters. The link road which connects the district headquarters to other district roads get flooded during flood every year resulting in obstruction in communication, transportation, health facilities and other relief measures. The construction of the Marginal Bund has been proposed to overcome this problem.

The Marginal bund originates near village Jhunjhuniya tied up to Bahraich-Bhinga road District Shrawasti and terminates near village Andharpurwa ghat Tehsil Ikauna, District Shrawasti. The total length of the bund is 22.500 km, which would protect 15,412 Ha of agricultural land and a population of 98,350 persons of 85 villages. The current project proposal includes the construction of remaining portion of 16.76 km of total 22.500 km long earthen embankment. It is proposed to fill the remaining gaps (of 16.76 km) & raising of section due to the new HFL and maximum discharge recorded in 2017 in Rapti River. It is also proposed to construct 46 nos. of ramps for convenience of villagers as per the site conditions.



The Chief Engineer, I&WRD, UP emphasised that the project is essentially required to save large area of Shrawasti district from inundation during high floods including areas of Ikauna Tehsil where Stupas of Gautama Buddha era, site of archaeological, historical and tourist importance located.

The Chairman, GFCC informed that he had visited this project along with the officials of I&WRD, UP and the project is required to be completed to save large area and population from floods.

The project was discussed in detail and accepted by the Advisory Committee. However, the acceptance of the proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as FMP etc.

2. Revised Project Estimate for Construction of Parsia Dehariya Tilakpur Marginal Bund on the left bank of river Rapti in district Shrawasti, Uttar Pradesh (RCE, Estimated Cost Rs. 37.8631 Crore @ PL 2016, BC Ratio 3.34:1)

The presentation was made by the Project Authority. The Committee was informed that the scheme has been formulated to overcome the damages due to flood water of river Rapti towards the left side of river. The Project Authority informed that during the floods, the water spreads in vast area and reached up to district headquarters. The link road which connects the district headquarters to other district roads get flooded during flood every year resulting in obstruction in communication, transportation, health facilities and other relief measures. The construction of the Marginal Bund has been proposed to overcome this problem.

This marginal bund originates near village-Parsa Dehariya, Tehsil Jamunha in Shrawasti district and terminates near village Tilakpur, Tehsil Bhinga in Shrawasti district. The total length of the bund is 22.4 Km and the project would protect 14,868.76 Ha of agricultural land and a population of 83,900 persons of 50 villages. The current project includes construction of remaining portion of 4.80 km of the 22.4 km long earthen embankment. It is proposed to fill remaining gaps & raising of section due to new HFL recorded in 2017 in Rapti River. It is also proposed to construct 46 nos. of ramps for convenience of villagers as per site conditions and 3



nos. of inlet head regulators. The proposal also includes tie-up of initial point of embankment to higher ground level which is above HFL.

The Committee enquired about the provision of centage taken in the estimate. The Chairman, GFCC informed that the provision of centage has been examined by GFCC and taken in the estimate as per the provisions of Orders of Government of UP in this regard.

Regarding the provision of GST, it was clarified by the CE, I&WRD, UP that the GST in the estimate has been taken as per the provisions of the State Government. Secretary, MoWR, RD&GR enquired about the difficulty in land acquisition during the implementation of the project. CE, I&WRD, UP informed that in current scenario, the land acquisition is not a major issue and farmers are ready to provide land as per prevailing Land Acquisition Act.

The Chairman, GFCC informed that he had visited this project along with the officials of I&WRD, UP and the project is required to be completed to save large area and population from floods.

The issue of the period of execution of the project was also discussed by the Committee wherein it was noted that the project authority has proposed to complete the project in 3 years (2019-20 to 2021-22). At this instance, the Committee noted that since it is a flood protection scheme, all efforts should be made to complete the project within 2 years (by 2020-21).

The project was discussed in detail and accepted by the Advisory Committee. However, the acceptance of the proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as FMP etc.

3. Project Proposal for Construction of Basantpur Khajuri Marginal Embankment on the right bank of river Ghaghara in district Barabanki, Uttar Pradesh (Estimated Cost Rs. 68.6159 Crore @ PL 2018, BC Ratio 3.53:1)

A presentation on the project was made by the Project Authority. The Committee was informed that the scheme has been formulated to overcome the flood

congestion that often occurs on right bank of Ghaghara River. It was informed that at high stages of flood, the standing water in villages and agricultural land causes hardship to people in various ways. To overcome the problem, the construction of Basantpur Khajuri Marginal Embankment has been proposed to prevent the inundation during high stage of river Ghaghara. The Marginal embankment will thwart ingress of flood water of Ghaghara River towards villages of Basantpur to Khajuri.

A gap of 11.600 km. in length exists between Alinagar Ranimau Bund and Raunahi Bund, between village Basantpur and village-Khajuri. The Basantpur-Khajuri bund starts from km. 25.500 of existing Alinagar Ranimau Bund and terminates at km 0.500 of the existing Raunahi Bund on the right bank of river Ghaghara. The marginal embankment will provide protection against flood to 5,184 Ha of agricultural land and a population of 15,016 persons of 10 villages.

The current project includes the construction of 11.60 km long marginal embankment, 3 inlet head regulators, slope pitching, launching apron with boulder stones, 6 nos. of turning platforms and 12 nos. of ramps at suitable locations.

Chairman, GFCC informed that the project site has been visited by him along with the officials of I&WRD, UP in June, 2017. Secretary, MoWR, RD&GR enquired about the provision of ramps on embankment. CE, I&WRD, UP informed that the provision of ramps has been made as per Codal provisions. Chairman, GFCC emphasized that the ramps are essential requirement in embankment projects, else villagers cut and damage the embankment for their movement across the embankment. Therefore, ramps are essentially required.

The project was discussed in detail and accepted by the Advisory Committee. However, the acceptance of the proposal by Advisory Committee of MoWR, RD&GR does not guarantee any eligibility towards release of fund under any existing scheme of MoWR, RD&GR such as FMP etc.

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



Annexure

LIST OF OFFICERS PRESENT IN THE 141ST MEETING OF THE ADVISORY COMMITTEE OF MoWR, RD&GR ON IRRIGATION, FLOOD CONTROL AND MULTI-PURPOSE PROJECTS ON MONDAY, 11TH FEBRUARY, 2019 AT 10:30 AM IN THE COMMITTEE ROOM (2ND FLOOR), CWC, SEWA BHAWAN, NEW DELHI:

Shri U.P. Singh, Secretary, MoWR, RD&GR

In Chair

Members of the Advisory Committee or their representatives/nominees

S/Shri/Smt

- | | |
|---|------------------|
| 1. S. Masood Husain, Chairman, Central Water Commission | Member |
| 2. Jagmohan Gupta, JS & FA, MoWR, RD& GR | Member |
| 3. P. C. Jiloha, Chief Engineer, HPA, CEA (Representing Chairman, CEA) | Member |
| 4. Shyla Titus, Director, Ministry of Tribal Affairs
(Representing Secretary, Ministry of Tribal Affairs) | Member |
| 5. R. A. S. Patel, Assistant Commissioner, DAC&FW
(Representing Secretary, Department of Agriculture,
Cooperation& Farmers Welfare) | Member |
| 6. C.K.L. Das, Chief Engineer, PAO, CWC | Member Secretary |

Special Invitees:

MoWR, RD&GR

S/Shri

1. Akhil Kumar, Joint Secretary (A&GW)
2. K. Vohra, Commissioner (SPR)
3. Anup Kumar Srivastava, Senior Joint Commissioner (SPR-I)
4. Rakesh Toteja, Senior Joint Commissioner (FM)
5. A K Shukla, Senior Joint Commissioner (SPR-II)
6. Rahul Varshney, Deputy Director, UYRB

O/o Chief Adviser (Cost)

S/Shri

1. B. Bandyopadhyay, Adviser (Cost)

Central Water Commission

S/Shri

1. N.K. Mathur, Member (D&R)
2. S.K. Haldar, Member (WP&P)
3. R.K. Pachauri, Chief Engineer, PPO

4. Navin Kumar, Chief Engineer, IMO
5. Bhupinder Singh, Director, NP Dte
6. B. C Vishwakarma, Director (IP-S) Dte
7. Rajiv Kumar, Director, PA(C) Dte.
8. G L Bansal, Director, EA Dte.
9. Balram Kumar, Director, Cost Appraisal (Irrigation-1) Dte.
10. B P Pandey, Director, ISM-1 Dte
11. P Devender Rao, Director, CMDD Dte
12. Piyush Ranjan, Director, PA(N) Dte
13. S S Bonal, Director, CMC & CA(I)-2 Dte
14. Ashish Tripathi, Deputy Director, Cost Appraisal (Irrigation-1) Dte.
15. Sanjay Meena, Deputy Director, PA(N) Dte.
16. Mahesh Kumar Gupta, Deputy Director, NP Dte.
17. Nagendra Kumar Singh, Deputy Director, NP Dte.
18. D. S. Prasad, Deputy Director, Cost Appraisal (Irrigation)-2 Dte
19. Pradeep Kumar, Deputy Director, Cost Appraisal (HWF) Dte.
20. M Amanullah, Deputy Director, Cost Appraisal (Irrigation-1) Dte.
21. K. Iyappan, Deputy Director, PA(N) Dte.
22. Siddhant Azad, Assistant Director, NP Dte,
23. Durgendra Singh, AD-II, PA (N) Dte.
24. Sachichidanand Singh, AD-II, NP Dte.

Officers from the Ganga Flood Control Commission (GFCC)

S/ Shri

1. Arun Kumar Sinha, Chairman, GFCC, Patna
2. Joginder Singh, Member, GFCC, Patna
3. Vivek Pal, Director, GFCC, Lucknow

Officers from the State Government of Uttarakhand

S/Shri

1. M C Pandey, Chief Engineer-2, Irrigation Dept, Haldwani
2. S. K. Singh, AE, Irrigation Dept, Haldwani
3. Shah Nawaz, AE, Irrigation Dept, Haldwani
4. R P Joshi, AE, Irrigation Dept, Haldwani
5. N Papnai, AE, Irrigation Dept, Haldwani

Officers from the UJVNL, Uttarakhand

S/Shri

1. Rajeev K Agarwal, ED, Lakhwar Project, UJVNL
2. S.K. Singh, General Manager (C), UVJNL, Lakhwar



Officers from the State Government of Uttar Pradesh

S/Shri

1. R K Gupta, Chief Engineer (Sharda Sahayak), UP Irrigation Dept.
2. V K Niranjana, Chief Engineer (Saryu Project), UP Irrigation Dept.
3. Nayaz Ahmed, Superintendent Engineer
4. Utkarsh Bhardwaj, Executive Engineer, Flood Works Division, UP Irrigation Dept
5. M. K. Verma, Executive Engineer, Flood Works Division, Shravasti
6. P A Siddiqui, AE, Flood Works Division, UP Irrigation Dept
7. Pankaj Kumar, Asst. Engineer-IV
8. P. C. Sharma, Junior Engineer

Officers from the Polavaram Project Authority

S/Shri

1. R K Jain, CEO, Polavaram Project Authority
2. R K Gupta, Member Secretary, Polavaram Project Authority

Officers from the State Government of Andhra Pradesh

S/Shri/Smt

1. Shashi Bhushan Kumar, Secretary, Water Resources Dept
2. M. Venketshwar Rao, Engineer-in-Chief, Water Resources Dept
3. K. Ratna Babu, Chief Engineer, APGENCO
4. M Nagi Reddy, Deputy Chief Engineer, Polavaram Project
5. C.V. Ranganagan, Superintending Engineer (Civil), APGENCO
6. L.V. Swamy Naidu, Superintending Engineer (Hydel), APGENCO
7. C Ganga Reddy, Superintendent, O/o Commissioner, Vijayawada
8. B Sumathi, Superintendent (F), Collectorate, Elluru
9. M. Sunil Kumar, Dy. Tehsildar
10. P Sudhakar Rao, Executive Engineer, Polavaram Project
11. A.S.L.S.N Murthy, Deputy Executive Engineer, Polavaram Project
12. V. Nirmala, Deputy Executive Engineer, O/o ENC, Polavaram Project
13. J.V Satyakumar, Deputy Executive Engineer, O/o ENC, Polavaram Project
14. G.V. Narsimha, Deputy Executive Engineer, Polavaram Project
15. R.S.V.S. Raghu, Asst. Executive Engineer, Polavaram Project
16. D. Mohan Rao, Asst. Executive Engineer, Polavaram Project
17. Y. Ravi Kumar, Asst. Executive Engineer, Polavaram Project
18. G. V. Raghu, Asst. Executive Engineer, Polavaram Project
19. T. Surya Kiran, Asst. Executive Engineer, Polavaram Project
20. A. Surya Anvesh, Asst. Executive Engineer, O/o ENC, Polavaram Project
21. V. N. V. Sekhar Babu, Asst. Executive Engineer, O/o ENC, Polavaram Project
22. A.K.V.D. Narasimha Swamy, Asst. Executive Engineer, O/o ENC, Polavaram Project
23. K. Mohan Krishna Reddy, Asst. Executive Engineer, O/o ENC, Polavaram Project
24. A. V. Bhadra Rao, Asst. Executive Engineer, PIPHW
25. K. Ajay Kumar, Asst. Executive Engineer, PIPHW
26. T. Durjati Kumar, Asst. Engineer, O/o ENC, Polavaram Project

