

I/117266/2022

**Government of India  
Central Water Commission  
Project Appraisal Organization**

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R.K. Puram, New Delhi.

Dated: 13.12.2022

**Minutes of Meeting**

A copy of the Summary Record of discussions of the 151<sup>st</sup> Meeting of the Advisory Committee of DoWR, RD&GR on Irrigation, Flood Control & Multipurpose Projects held under the Chairmanship of Secretary, Department of Water Resources, River Development & Ganga Rejuvenation on 29.11.2022 is enclosed herewith for information and further necessary action, please.

It is requested that comments, if any, on the enclosed Summary Record of Discussion, may kindly be forwarded to this office within 15 days.

**Encl: As above.**

Signed by Yogesh  
Paithankar

Date: 13-12-2022 18:00:21  
(Yogesh Paithankar)  
Reason: Approved  
**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, 1<sup>st</sup> 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, 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&LR), NITI Aayog, Room No. 230, Yojana Bhawan, New Delhi.
12. Joint Secretary & Financial Adviser, DoWR, RD & GR, Room No-401, Shram Shakti Bhawan, New Delhi.

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**Special Invitees:**

1. Special Secretary, DoWR, RD & GR, New Delhi.
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. Chairman, GRMB, Hyderabad
7. Principal Secretary, WRD, Govt. of Telengana, Hyderabad.
8. Principal Secretary, Water Resources Department, Government of West Bengal, Kolkata
9. Principal Secretary, Water Resources Department, Government of Uttar Pradesh, Lucknow
10. Joint Secretary (RD&PP), DoWR, RD&GR, New Delhi.
11. Chief Advisor (Cost), Department of Expenditure, Lok Nayak Bhawan, New Delhi.
12. Commissioner (SPR), DoWR, RD & GR, New Delhi.
13. Commissioner (FM), DoWR, RD & GR, New Delhi.
14. Chief Engineer (IMO), CWC, New Delhi.
15. Chief Engineer (KGBO), CWC, Hyderabad

**Copy for kind information to:**

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

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**Government of India  
Ministry of Jal Shakti  
Department of Water Resources, River Development & Ganga Rejuvenation  
Central Water Commission  
Project Appraisal Organization  
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**ADVISORY COMMITTEE FOR CONSIDERATION OF TECHNO-ECONOMIC  
VIABILITY OF MAJOR & MEDIUM IRRIGATION, FLOOD CONTROL AND  
MULTIPURPOSE PROJECT PROPOSALS**

**151<sup>st</sup> MEETING HELD ON 29<sup>th</sup> NOVEMBER, 2022**

**SUMMARY RECORD OF DISCUSSIONS**

The 151<sup>st</sup> meeting of the Advisory Committee of Department of Water Resources, River Development & Ganga Rejuvenation (DoWR, RD & GR), Ministry of Jal Shakti (MoJS), for consideration of techno-economic viability of major & medium irrigation, flood control and multipurpose project proposals (Advisory Committee), was held under the chairmanship of Shri Pankaj Kumar, Secretary to the Government of India, DoWR, RD & GR, MoJS on Tuesday, 29<sup>th</sup> November, 2022. The list of participants is annexed.

At the outset, the Chairman welcomed the participants and thereafter, he requested Member-Secretary to take up the agenda items.

Brief records of the decisions taken in the meeting are given below:

**I. Confirmation of the Minutes of the 150<sup>th</sup> Meeting of the Advisory Committee :**

The 150<sup>th</sup> meeting of the Advisory Committee was held on 19.09.2022. Member Secretary informed that the Summary Record of Discussions of 150<sup>th</sup> meeting was circulated vide letter no T-74074/213/2022- PA (N) DTE dated 10.10.2022 and no comments have been received so far. The committee confirmed the minutes of 150<sup>th</sup> meeting of the Advisory Committee.

**II. Project Proposal Considered by the Advisory Committee :**

Member Secretary informed that there are 3 major/medium irrigation projects of Telengana in Godavari Basin and 3 flood control projects in Ganga Basin in the agenda. All 3 irrigation projects have been mentioned in the Gazette Notification dated 15.07.2021 and have been appraised in CWC as per the flow chart approved by DoWR, RD & GR vide its letter dated



16.11.2021 regarding procedure for submission, appraisal and technical clearance of DPR of Irrigation & Multipurpose projects by GRMB, KRMB and CWC in the States of Andhra Pradesh and Telengana.

In accordance with Step 5 and Step 6 of the flow chart, Project Note of these 3 (three) projects of Telangana were discussed in the 13<sup>th</sup> Board meeting of GRMB Secretariat on 27.04.2022. Observations made by Governments of Andhra Pradesh and Telangana were communicated to CWC on 30.05.2022. While finalizing the TAC Notes, concerns of Andhra Pradesh has been considered by CWC with respect to inter-State Matters and hydrology aspects.

### **Irrigation Schemes**

1. **Mukteshwar (Chinna Kaleshwaram) Lift Irrigation Scheme (major project), Govt of Telangana (Estimated Cost Rs. 545.15 crore at March 2021 PL, BC Ratio. 2.699)**

Mukteshwar (Chinna Kaleshwaram) Lift Irrigation Scheme located at Kannepalli Village, Mahadevpur Mandal of Jaya Shankar Bhupalpalli district, (erstwhile Karimnagar district) in Telangana envisages utilizing 4.50 TMC of the Godavari water to provide irrigation facilities to an extent of 18,211 ha (45,000 acres) through 14 minor irrigation tanks including supply of 0.30 TMC drinking water to 63 enroute villages of 4 mandals i.e. Mahadevpur, Kataram, Malhar & Mahamutharam in the backward and drought prone areas of Jayashankar Bhupalapally District. Project area falls between elevation +90.00 M to +166.725 M in which assured irrigation facilities are not available.

Project proposal has been mentioned as ongoing, unapproved, operational at Sl. No. 68 of Schedule – 1, Pg. 62, GRMB Part, Gazette Notification dated 15.07.2021.

A brief introduction was made by the Additional Chief Secretary, GoT highlighting main points of all the three projects of Godavari Basin. Subsequently, detailed presentation for this project was made by concerned Chief Engineer, GoTS, informing that project envisages constructing an intake structure for the Pumping Station – Stage I with approach channel on right flank of Godavari near Kannepally village, upstream of the existing Medigadda Barrage of Kaleshwaram Project. Pumping Station – Stage II is proposed with an approach channel from new tank at Garepally village, pressure mains, 6 delivery cisterns and gravity canals to supply irrigation water to the entire ayacut of 18,211 ha.

Representative from Department of Expenditure pointed out that as per Advisory Committee note, ayacut has gone up 12 times (from 1,522 ha to 18,211 ha), although the increase





in income generation is not proportionate. Member, WP&P, CWC later clarified that there is a minor correction in that and actual ayacut increase is from 9,350 ha. to 23,123 ha., which needs to be corrected. Joint Secretary, Ministry of Finance also raised issues related to completion time of the remaining 26% of work. Additional Chief Secretary, GoTS clarified that its mainly due to land acquisition issues, which need to be expedited. Joint Secretary, MoF also raised issues related to different GST charges being levied, which was clarified by Director, Cost Appraisal, CWC.

After detailed deliberations, the project was accepted by the Advisory Committee of DoWR, RD & GR subject to the following conditions:

- (i) Withdrawal on a daily basis needs to be informed to GRMB. Also a mechanism for Real Time Telemetry system may be worked out by GRMB & GoTS for better operational management.
- (ii) Project authority shall obtain all the statutory clearances (including environment, forest, wildlife, tribal affairs and R&R etc.) from the competent authority, as may be required.

2. **Rudha (Channaka – Korata) Barrage (MEDIUM)- Inter-State Project of Telangana & Maharashtra (Estimated Cost Rs. 452.50 crore at 2015-16 PL, BC Ratio. 1.848)**

Rudha (Channaka – Korata) Barrage is an inter-State project of Telangana and Maharashtra on Penganga based on the Agreement dated 07.08.1978 between Maharashtra & erstwhile Andhra Pradesh. Water sharing from Rudha (Channaka – Korata) Barrage is in 80:20 ratio between Telangana and Maharashtra, respectively. Rudha (Channaka – Korata) Barrage envisages irrigation facilities to tribal areas of Adilabad district on the right side of the barrage in Telangana and on the left side to Yavatmal district in Maharashtra. The planned annual utilization from Channaka–Korata Inter-State Barrage is 1.5 TMC (1.2 TMC for Telangana and 0.3 TMC for Maharashtra). In Telangana, nearly 5,466 ha (or 13,500 acres) in 14 villages of Adilabad district are irrigated by utilizing its share of 1.2 TMC of water. Similarly, in Maharashtra, nearly 1,214 ha (or 3,000 acres) in 9 villages of Yavatmal district are irrigated by utilizing its share of 0.3 TMC of water.

Project proposal has been mentioned as Sl. No. 61.1 (Part of 61. Lower Penganga Project Complex, which is mentioned as ongoing, approved & operational) of Schedule -I, GRMB Part of the Gazette Notification dated 15.07.2021.

In the meeting, a detailed presentation was made by the project authority informing that project component of the Rudha (Channaka – Korata) Barrage in Telangana envisages lifting of 1.20 TMC of water from the foreshore of Barrage. Pump house is located at Hattighat village,

Jainath Mandal of Adilabad district constructed at RL +315.50 in single stage with pressure mains of 3.295 km and delivery of water to the main canal 3.360 km long. The main canal with its 8 distributaries provides irrigation to an area of 5,466 ha. Similarly, Maharashtra component envisages lifting of 0.3 TMC of water from foreshore of Barrage in single stage with pressure mains of 5.40 km to provide irrigation facility to an area of 1,214 ha with underground pipe distribution system.

Project authorities also informed that the Rudha Barrage is proposed based on agreement between the two concerned States. The water sharing ratio is 80:20 between the two States. It is a second barrage in a series of planned four barrages to utilize the water downstream of Lower Penganga Dam which is yet to be constructed. The utilization is as per Godavari Water Disputes Tribunal, 1980 Award. It was intimated to the TAC that the barrage and pump house are at an advanced stage of construction. Majority of the irrigation is provided during the Kharif season, during which, water shall be pumped for a period of 90 days to the delivery cistern located at the ridge, from there through gravity canal to the ayacut. It was also informed to the TAC that the Maharashtra portion of the project is yet to be grounded and forest clearance is pending as 0.4 ha of forest land is involved. The project is located in the drought-prone districts of Telangana and Maharashtra States, and also affected by left wing extremism.

Joint Secretary, Ministry of Finance opined that establishment cost needs to be taken as actual basis and not as percentage basis varying from (1-10) %. CE, PAO, CWC and Member Secretary to the Advisory Committee clarified that these % are as per the existing guidelines. Member, WP&P, CWC also clarified that in most of the new projects, actual data is not available to project proponents at DPR stage. Additional Chief Secretary, GoTS also justified that its mainly due to remote location of the project located at Telangana-Maharashtra border, having no infrastructure and located at security sensitive area. However, he assured that wherever actual data is available, it will be taken into while finalizing actual cost.

While clarifying the power requirement and pumping capacity of the project, Member, WP&P, CWC mentioned that higher capacity pumps than required for the proposed use have already been installed by project authority. Additional Chief Secretary, GoTS clarified that these pumps were lying idle in the abandoned projects of erstwhile State of Andhra Pradesh. Member, WP&P, CWC opined that project authorities need to ensure that withdrawal is capped upto 1.5 TMC water only (1.2 TMC for Telangana & 0.3 TMC for Maharashtra). Also, he mentioned that as proposed project envisages 4 pumps of 1.13 cumecs (for pumping 1.2 TMC within Telangana) and 2 pumps of 0.49 cumecs (for pumping 0.3 TMC within Maharashtra), project authorities need to ensure that maximum discharge is capped within the stipulated limit of agreement signed between the two States. Also, the expenditure incurred due to installation of these higher capacity



pumps is not to be included in the cost of this project. Additional Chief Secretary, GoTS assured that these issues will be taken care of.

The representative from Ministry of Agriculture queried about the reason behind supplying irrigation water during Kharif when there will be precipitation. The project authorities clarified that the targeted command area at present is only rain-fed due to which the crop yield is very low and by providing irrigated water to the command, the crop yield will increase manifold and as the project is only a barrage project on a non-perennial river, supply of irrigated water during Rabi is not feasible.

Special Secretary (DoWR, RD & GR) also suggested that for better operational management, withdrawal of water needs to be monitored and to be informed to GRMB on a daily basis. Also a mechanism for Real Time Telemetry system needs to be chalked out in consultation with GRMB & GoTS. This was further clarified by Chairman, GRMB, who further added that a meeting is scheduled with GoTS officials to discuss the issues and modalities on telemetry aspects.

After detailed deliberations, the project was accepted by the Advisory Committee of DoWR, RD & GR subject to the following conditions:

- (i) The pumps having larger capacities than required for the proposed use have already been installed by project authority. The acceptance by the Advisory Committee is only for the maximum discharge mandated within limits proposed in the DPR and mentioned in foregoing paras. Project authorities need to ensure withdrawal of 1.5 TMC water only (1.2 TMC for Telangana & 0.3 TMC for Maharashtra).
- (ii) Withdrawal on a daily basis needs to be informed to GRMB. Also a mechanism for Real Time Telemetry system may be worked out by GRMB & GoTS for better operational management.
- (iii) Project authority shall obtain all the statutory clearances (including environment, forest, wildlife, tribal affairs and R&R etc.) from the competent authority, as may be required.
- (iv) Project authority for Maharashtra component shall obtain State Finance concurrence of Govt of Maharashtra for the same.

3. **Choutpally Hanmanth Reddy Lift Irrigation Scheme (medium), Govt of Telangana**  
(Estimated Cost Rs. 48. 207 crore, 2020 PL, BC Ratio. 1.53)





Choutpally Hanmanth Reddy Lift Irrigation scheme provides irrigation facilities in 18 villages of Morthad, Kammarpally and Yergatla Mandals in Nizamabad district by lifting the water from Shetpally Tank of Shetpally village of Morthad mandal, Nizamabad district.

This scheme envisages lifting of water in two stages by utilizing 0.80 TMC water from D4 distributary of Laxmi canal to provide irrigation facilities for farmers who are project oustees of Sri Ram Sagar Project (SRSP).

Project proposal has been mentioned as completed, unapproved, operational at Sl. No. 58 of Schedule – 1, Pg. 62, GRMB Part, Gazette Notification dated 15.07.2021.

A detailed presentation in this regard was made by the project authorities informing that project will irrigate an ayacut of 3,359 ha in kharif season, having 1,009 ha of direct ayacut and 2,350 ha of stabilization by filling up 28 tanks.

Additional Chief Secretary, GoTS clarified that the construction of project commenced in 2005 and was commissioned on 31.01.2015. He also explained that 0.8 TMC (22.65 MCM) water is utilized from the savings of modernization of Sriram Sagar Project.

Members of Advisory Committee enquired the need for bringing the project for approval when the project was completed seven years back. Member (WP&P), CWC clarified that the project has been mentioned in the Gazette Notification dated 15.07.2021 as unapproved and the State Government was directed to get the approval of all the unapproved projects.

It was noted that the power tariff for the project was mentioned as Rs. 2.6 per KW whereas the present rate is around Rs. 6 per KW. The project authorities clarified as the present benefits are also much higher, even if the present power tariff is taken, the B.C. Ratio shall be more than the required 1.5.

After deliberations, the Advisory Committee accepted the proposal.

At the end, Secretary (DoWR, RD & GR) stated that the recommendations of TAC for all these 3 (three) projects of Telangana may be placed in the next Apex Council meeting by concerned SMD in Ministry as mandated by flow chart for appraisal of irrigation and multi-purpose projects, finalized by Ministry in November 2021.

Further, Special Secretary (DoWR, RD & GR) suggested that for all the 3 projects the following issues need to be addressed by Govt of Telangana in implementation of the project.

- a) As CDO Certificate has been submitted by GoTS as per the Appraisal Guidelines of CWC and design drawings have been finalized by the Central Design Organization of Govt of Telangana, State Govt shall ensure the safety in respect of the structural, hydraulic and mechanical performance during operational stage.



- b) Participatory Irrigation Management (PIM) may be encouraged by State Govt. 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.
- c) Water charges from the farmers may be collected and this revenue may be used for operation & maintenance (O&M) of project in the future.
- d) Even in the lift schemes, micro irrigation needs to be promoted in the command so as to reduce the overall cost of the project, also ensuring better irrigation efficiency.

#### **Flood Protection Schemes**

4. **Anti-erosion work to the right bank of river Padma at AOR or BOP Atrosia and Renu for a total length of 1830.00 m in Block & P.S – Lalgola, District – Murshidabad, West Bengal (Estimated Cost Rs. 73.83 crore at 2022 PL, BC Ratio. 1.27)**

A braided channel, off-shooting from the right bank of river Padma, along its right bank is engulfing the area at Lalgola block of district Murshidabad. The width of erosion for last 5 years is to the tune of 255 m (51 m per year) and about 46.67 ha cultivable land including 5 pillars of India-Bangladesh border (37/4s to 37/8s of 35 Bn BSF) has been engulfed recently. The proposal has been envisaged for restricting the shifting of off-shoot channel and erosion towards Indian boundary at Lalgola block by strengthening 1.83 km of river embankment and construction of bamboo porcupine screen for 1.15 km in the upstream of the river as an indirect measure to divert the Padma water in its original/main course. The project components also include protection works to the right bank of the river for the length of 1.83 km. The project has been planned to benefit area of about 2,500 ha and 35,000 people in Lalgola block of district Murshidabad, West Bengal.

A detailed presentation on the scheme was made by the project authority informing that fast approaching river Padma has come very close to the Indo Bangladesh Border fencing, threatening the border fencing and may cause loss of life, land and property. Commissioner (FM) submitted that the subject matter is being flagged in other forum also for its strategic importance.



After detailed deliberations, the Advisory Committee accepted the scheme. The acceptance of the proposal by Advisory Committee of DoWR, RD& GR does not guarantee any eligibility towards release of fund under any existing scheme of DoWR, RD& GR such as FMP etc.

5. **Project for construction of embankment on right bank of river Ganga at Hastinapur, district- Meerut, Uttar Pradesh (Estimated Cost Rs. 73.39 crore at 2021 PL, BC Ratio. 8.85)**

Hastinapur Khadar area situated at tehsil Mawana in district Meerut faces the threat of flood of Ganga River every year affecting about 15 villages and thousands hectare of crops during the monsoon season. There is a bund made by the villagers which breaks every year and creates water logging in areas upto 5 km. The proposal has been envisaged for protection of 15 villages against the flooding and drainage congestion. The project components include construction of 10.8 km long embankment with top width of 5.0 m on right bank of the river Ganga at Hastinapur. Further, in vulnerable reach where bund is very close to the river edge, slope pitching and launching apron have also been proposed. The proposal envisaged land acquisition to the tune of 18.95 ha. The project has been planned to benefit area of about 6,672.20 ha and 7,915 people of 15 villages in the Meerut district of Uttar Pradesh.

A detailed presentation on the scheme was made by the project authority informing that construction of embankment from the d/s end of Ramrej Tatbund to Chetawala Bridge is essential towards a permanent solution to the issue of flooding and drainage congestion. The scheme has been approved by the State Technical Advisory Committee and Flood Control Board of Uttar Pradesh in 2021. However, finance concurrence from the State Government is awaited.

After detailed deliberations, the Advisory Committee accepted the scheme. The acceptance of the proposal by Advisory Committee of DoWR, RD& GR does not guarantee any eligibility towards release of fund under any existing scheme of DoWR, RD& GR such as FMP etc.

6. **Project Estimate for construction of Marginal Bund in Purkaji Khadar along right bank of river Solani in district- Muzaffarnagar, Uttar Pradesh (Estimated Cost Rs. 113.88 crore at 2021 PL, BC Ratio. 2.70)**

Solani river originates in the Siwalik range of Uttarkhand and run through several districts of Uttarakhand and Uttar Pradesh before joining river Ganga at upper stream of Bijnor Ganga Barrage. The river creates havoc during floods in major portions of Muzaffarnagar district of Uttar Pradesh, situated on the right bank of river Solani. The proposal has been envisaged for flood protection works from village Bulakipur to Faridpur in Purkaji Khadar along right bank of

river Solani in Muzaffarnagar district. The project components include construction of 23 km long embankment with top width of 5.0 m and 4 inlets. The proposal also envisages land acquisition to the tune of 47.58 ha. The project has been planned to benefit area of about 3,425 ha and 17,200 people of 20 villages in the Muzaffarnagar district of Uttar Pradesh.

A detailed presentation on the scheme was made by the project authority informing that every year 20 villages in Purkaji Khadar are affected due to flood during monsoon season by river Solani. Further, the scheme has been approved by the State Technical Advisory Committee in 2018 and Flood Control Board of Uttar Pradesh in 2019. However, finance concurrence from the State Government is awaited.

After detailed deliberations, the Advisory Committee accepted the proposal. The acceptance of the proposal by Advisory Committee of DoWR, RD& GR does not guarantee any eligibility towards release of fund under any existing scheme of DoWR, RD& GR such as FMP etc.

### **Other Issues**

In the meeting, Member Secretary submitted that as a follow-up action to the decision of exploring the possibility of standardization of rates for major items/works, CWC is looking forward to deliberate with the State Governments in this regard as there is a very wide variation in the rates of major items/works across the States because of variable site condition and nature of the irrigation/ multipurpose projects. Further, issue of examination of design aspects of the projects for which project authority submits Central Design Organization (CDO) certificate was also discussed. In this context, Secretary (WR) advised that:

- (i) CWC may come out with suggestion regarding standardization of the rates for major items/works in respect of irrigation/multipurpose projects and similar exercise may be done in association with GFCC in respect of flood control projects. Efforts may be made to come out with the preliminary suggestions within 3 months' time.
- (ii) States having CDOs give certificate with regard to design of projects, and as per guidelines, CWC does not examine the design in such cases. To monitor the capacity of CDOs, a system of review of CDOs in critical parameters should be developed and proposed by CWC. Such review mechanism can be finalized in consultation with the State Governments concerned for operationalization.

The meeting ended with vote of thanks to the Chair.





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**Government of India**  
**ADVISORY COMMITTEE FOR CONSIDERATION OF TECHNO-  
ECONOMIC VIABILITY OF MAJOR & MEDIUM IRRIGATION, FLOOD  
CONTROL AND MULTIPURPOSE PROJECT PROPOSALS**  
**151<sup>st</sup> MEETING HELD ON, NOVEMBER 29<sup>th</sup>, 2022**

**List of Participants**

Shri Pankaj Kumar, Secretary, DoWR, RD & GR

In Chair

**Members of the Advisory Committee or their representative / nominees:  
S/Shri**

|    |  |                  |
|----|--|------------------|
| 1  | Dr. R. K. Gupta, Chairman, Central Water Commission  | Member           |
| 2  | Avinash Mishra (Representing Advisor (WR&LR), NITI Aayog)  | Member           |
| 3  | Dr. Saurabh Upadhyay, Scientist-C (Representing Secretary MoEF & CC)   | Member           |
| 4  | S.K. Mohiddin, Scientist-D (representing Chairman, CGWB)   | Member           |
| 5  | Smt. Richa Misra, JS&FA, DoWR, RD & GR   | Member           |
| 6  | Adlul Islam, Pr. Scientist, ICAR (Representing DG, ICAR)   | Member           |
| 7  | Shri P.K. Shukla, Chief Engineer, CEA (Representing Secretary, Department of Power & Chairman, CEA)                | Member           |
| 8  | Dr. Dhura Ram, Additional Commissioner (NRM) (Representing Secretary, Department of Agriculture & Farmers Welfare) | Member           |
| 9  | Shri V.K Jindal, Additional Chief Advisor (Cost) (Representing Deptt. of Expenditure)                              | Member           |
| 10 | Shri Yogesh Paithankar, Chief Engineer, Project Appraisal Organization, CWC  | Member Secretary |

**Special Invitees:**

**Deptt of Water Resources, RD & GR  
S/Shri**

1. Smt. Debashree Mukherjee, Special Secretary
2. Anand Mohan, JS (PP & RD)
3. A.S. Goel, Commissioner (SPR)
4. Atul Jain, Commissioner (FM)

**Deptt. of Expenditure, Ministry of Finance  
S/Shri**

1. M.K Sahoo, Advisor (Cost)

**Central Water Commission  
S/Shri**

1. Kushvinder Vohra, Member (WP&P), New Delhi
2. J. Chandrashekhar Iyer, Member (D & R), New Delhi
3. P.M Scott, Member (RM), New Delhi



4. B.P Pandey, Chief Engineer, IMO, New Delhi
5. D. Ranga Reddy, Chief Engineer, KGBO, Hyderabad
6. M. Ramesh Kumar , Director, M&A, Hyderabad
7. N.N. Rai, Director, Hydrology (S)
8. Nityanand Mukherjee, Director, PA(S)
9. Kiran Pramanik, Director, PA(N) Dte , New Delhi
10. Manoj Kumar, Director, ISM Dte
11. Piyush Kumar, Director, FM-I, Dte., New Delhi
12. A.S Banode, Director, CA (Irr.)-I Dte., New Delhi
13. Ashish Kumar, Deputy Director, IP (S) Dte.
14. M K Gupta, Deputy Director PA(N) Dte, New Delhi
15. Nitish Nitin, Assistant Director PA(N) Dte, New Delhi
16. Satyajit Burman, Assistant Director, PA(S) Dte.
17. Pramod K., Assistant Director-II, Cost Appraisal Dte.

**Godavari River Management Board (GRMB), Hyderabad  
S/Shri**

1. Dr. M.K Sinha, Chairperson

**Ganga Flood Control Commission (GFCC), Patna  
S/Shri**

1. C.K.L Das , Member (C)
2. Vivek Pal, Director
3. Pradeep Kumar, Deputy Director

**Officers from State Government of Telangana  
S/Shri**

1. Dr. Rajat Kumar, Special Chief Secretary to Government, Irrigation & C.A.D Department
2. C. Muralidhar, Engineer-in-Chief(General)
3. N. Venkateshwarlu, Engineer-in-Chief,Irrigation, Ramagundam
4. R. Madhusudhana Rao, Chief Engineer, Irrigation, Nizamabad District
5. T. Srinivas, Chief Engineer, Irrigation, Adilabad District
6. S. Srinivas Reddy, Superintending Engineer, Irrigation Circle, Kothagudem
7. Sridhar Rao Deshpande, Officer on Special Duty to Hon'ble Chief Minister(Irrigation),
8. C. Tulsiram, Deputy Executive Engineer, Irrigation Sub-division no.1, Korata
9. V. Suryaprakash, Deputy Executive Engineer, Irrigation Sub-division no.1, Kaleshwaram
10. G. Paven Kumar, AEE
11. Md. Mahboob Hussain, DPR Consultant (Retd. Executive Engineer), ISWR unit, Irrigation & CAD Department, Hyderabad

**Officers from State Government of West Bengal  
S/Shri**

1. Sanjoy Kumar Bandyopadhyay , SE, NIC-II, Berhampore, Murshidabad, I & W Dte
2. Jayanta Das, AE, Jangipur Irrigation Subdivision , Ragnathganj, Murshidabad, I & W Dte



**Officers from State Government of Uttar Pradesh**  
**S/Shri**

1. Upendra Nath Kunwar, Superintending Engineer Ganga Nahar Sanchalan Mandal, Meerut
2. Pramod Kumar, Executive Engineer, Drainage Div-I, Meerut
3. N.P.S. Mathuria, Assistant Engineer, Drainage Div-I, Meerut
4. V.K. Pandey , Assistant Engineer, Drainage Div-I, Meerut
5. Pramod Kumar , Junior Engineer, Drainage Div-I, Meerut

