

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

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Date: 10.09.2024

Minutes of Meeting

A copy of the Summary Record of discussions of the 156th 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 03.09.2024 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.


(Yogesh Paithankar)

**Member Secretary of the Advisory Committee &
Chief Engineer (PAO)**

To,

Members of Committee:

1. Chairman, CWC, SewaBhawan, 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, JorBagh, New Delhi.
5. Secretary, Department of Agriculture, Cooperation & Farmers Welfare, R. No. 126, KrishiBhawan, New Delhi.
6. Secretary, Ministry of Tribal Affairs, Room No. 738, A-Wing, ShastriBhawan, New Delhi.
7. Director General, ICAR, Room No-108, KrishiBhawan, New Delhi.
8. Chairman, CEA, SewaBhawan, R. K. Puram, New Delhi.
9. Chairman, Central Ground Water Board, Jam Nagar House, New Delhi.
10. Adviser (Power), NITI Aayog, Room No. 248, YojanaBhawan, New Delhi.
11. Adviser (WR&LR), NITI Aayog, Room No. 230, YojanaBhawan, New Delhi.
12. Joint Secretary & Financial Adviser, DoWR, RD & GR, Room No-401, Shram Shakti Bhawan, New Delhi.

Invitees from State Government concerned:

1. Additional Chief Secretary, Water Resource Department, Government of Assam, Assam Secretariat, Dispur, Guwahati
2. Additional Chief Secretary, Water Resources Department, Government of Bihar, Patna
3. Additional Chief Secretary, Irrigation and Water Resources Department, Government of Uttar Pradesh, Lucknow
4. Secretary, Department of Water Resources, Govt. of Arunachal Pradesh, Itanagar

5. Additional Chief Secretary, Department of Water Resources, Government of Odisha, Bhubaneswar

Special Invitees:

1. Additional Secretary, DoWR, RD&GR, New Delhi.
2. Member (WP&P), CWC, New Delhi.
3. Member (D&R), CWC, New Delhi.
4. Member (RM), CWC, New Delhi.
5. Chairman, GFCC, Patna, Bihar
6. Chairman, Brahmaputra Board, Guwahati, Assam
7. Joint Secretary (RD&PP), DoWR, RD&GR, New Delhi.
8. Chief Advisor (Cost), Department of Expenditure, LokNayak Bhawan, New Delhi.
9. Commissioner (SPR), DoWR, RD & GR, New Delhi.
10. Commissioner (FM), DoWR, RD & GR, New Delhi.
11. Chief Engineer (IMO), CWC, New Delhi.
12. Chief Engineer (FMO), CWC, New Delhi.
13. Chief Engineer (BBO), CWC, Guwahati.
14. Chief Engineer (M&ERO), CWC, Bhubaneswar.

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

**ADVISORY COMMITTEE FOR CONSIDERATION OF TECHNO-ECONOMIC VIABILITY
OF MAJOR & MEDIUM IRRIGATION, FLOOD CONTROL AND MULTIPURPOSE
PROJECT PROPOSALS**

156th meeting held on 3rd September 2024

SUMMARY RECORD OF DISCUSSIONS

The 156th 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, was held under the chairpersonship of Ms. Debashree Mukherjee, Secretary to the Government of India, DoWR, RD & GR, MoJS on Tuesday, 3rd September 2024. The list of participants is **Annexed**.

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

Brief records of the discussion & decisions taken in the meeting are summarized below:

I. Confirmation of the Minutes of the 155th Meeting of the Advisory Committee :

The 155th meeting of the Advisory Committee was held on 08.03.2024. Member Secretary informed that the Summary Record of Discussions of 155th Meeting was circulated on 13.03.2024 and no comments have been received. The committee confirmed the Minutes of 155th meeting of the Advisory Committee.

II. Project Proposal Considered by the Advisory Committee :

Member Secretary informed that there are 10 proposals to be discussed during the meeting. Out of these 10 proposals, 2 are Irrigation and 8 Flood control schemes. State wise breakup is as under:

A. Irrigation schemes (2 Nos.)

1. From Govt. of Bihar: RCE Major Irrigation Project (1 No.)
2. From Govt. of Odisha: Medium Irrigation Project (1 No.)

B. Flood control schemes (8 Nos.)

1. Govt. of Bihar: 3 Nos.
2. Govt. of Arunachal Pradesh: 1 No.
3. Govt. of Assam: 1 No.
4. Govt. of Uttar Pradesh: 3 Nos.



Irrigation Schemes

1. **1st RCE of Eastern Gandak Canal System (Gandak Phase-II) (RD 538 to RD 909.4), Govt. of Bihar (Estimated Cost Rs 3030.95 Crores @ July 2023 PL), BC Ratio 3.25:1)**

A detailed presentation was made by the Chief Engineer, Irrigation Creation, WRD, Bihar, mentioning that the Gandak Project was originally approved in 1961 by the Planning Commission, aiming to provide irrigation to the plains of North Bihar, Uttar Pradesh, and parts of Nepal. The left side was known as Eastern Canal System and right side was known as Western Canal System. As per the advice of Planning Commission, the Gandak Project was closed in 6th Five Year Plan i.e. on 31st March, 1985. The completed portion of the Eastern Canal System up to 1985 has been classified as the Eastern Gandak Canal System, Gandak Phase-I. The remaining residual works of the Eastern Gandak Canal and its distribution system from RD 538 to 909.40, has been categorized as the Gandak Phase-II. It was further informed that the demography of the area has been changed significantly compared to 1961 and many section of the canal has been encroached.

The Gandak Phase-II ERM Project proposal was approved by the Advisory Committee in January 2012. Subsequently, the Planning Commission granted investment clearance for the project in September 2012, with an estimated cost of Rs. 1799.50 crore (2011 price level). As per the work plan, the project was expected to be completed by 2016. However, due to insufficient financial resources, encroachment and other constraints, only Rs. 287.19 crore has been incurred from state funds, and the physical and financial progress of the project stands at 16.50% and 15.95%, respectively upto March 2024 and 3000 ha potential is created.

After the presentation, Secretary, DOWR, RD & GR enquired about the land acquisition issues to which it was informed that the issue has largely been resolved, except in case of few distributaries, which is ongoing.

It was informed by the Project Authorities that since the current proposal is integral part of Gandak Project approved by the Planning commission in the year 1961 and Environmental clearance became a statutory requirement since 1994, being above mentioned project, a part of existing approved project which was started before 1994, no fresh environmental clearance is required for the project. To which, Secretary, DOWR, RD & GR asked the Project Authorities that there may be change in laws since the project was initiated, so these issues may be looked into again before pursuing the project for Investment Clearance.

JS & FA, DOWR, RD & GR enquired about the reason for inadequate provision of Rs. 68.07 Cr and additional requirement of Rs. 142.07 Cr taken in the estimate to which Project Authorities informed that these has been taken because of change in quantities and additional requirement viz. bridges/cross drainage works etc. as per site conditions and change in demographic condition. Further on the query raised by JS & FA on fund requirement to the tune of Rs 1000 crore per year as per work plan as well as capacity of the state to incur huge amount. The State Govt stated that they have already recently executed one project of this amount.

Chairman, CGWB, enquired whether the recommendation of CGWB given in 2011 to *look into the aspect of conjunctive use of surface and groundwater and periodical reviewing of groundwater situation in Command area* has been addressed. Project Authorities assured that the same will be reviewed periodically.



After detailed deliberations, project was accepted by the Advisory Committee of DoWR, RD & GR with the following observations.

- i. Acceptance of project 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 AIBP, PMKSY, RRR, FMP etc or funding from any external multilateral agency.*
- ii. Statutory clearance (Environment, Forest, Wildlife, Tribal Affairs & R & R etc.) as applicable may be ensured by the Project Authority.*
- iii. Project Authorities shall obtain State Finance Concurrence.*
- iv. Project Authorities shall look into the aspect of conjunctive use of surface and groundwater and periodical reviewing of groundwater situation in Command area.*

2. Hidsing Medium Irrigation Project, Govt. of Odisha (Estimated Cost Rs.332.26 Cr (Price Level:2023), BC Ratio 1.83:1)

A detailed presentation was made by Engineer-in-Chief, Planning and Design, WRD, Govt of Odisha mentioning that this scheme is reservoir project proposed in Brahmani basin on Bauli nallah, a tributary to river Brahmani near village Karadasing in Angul block of Angul district. The project envisages construction of a 933 m. long and 32.50 m. height earthen dam besides a central spillway proposed at the centre of river gap portion and Right Main Canal of Length 8.460 Km and Left Main Canal of length 17.70 Km. The project will provide irrigation to 2958 ha of CCA out of 3943 ha GCA with annual irrigation of 3106 ha in the drought prone areas under Angul Block.

Chairman, CWC informed that the all the aspects of the proposal has been examined in field office of CWC. Further, the project does not have any interstate ramification.

Additional Secretary, DoWR, RD & GR advised that Project Authorities may consider for more than 10% command area under micro irrigation for optimum use of water.

Chairman, CGWB enquired whether the proposal has provision of field to field supply to which Project Authorities informed that provision for field to field supply has been taken in the project.

Member, RM opined that Project Authorities may consider switching to underground pipeline from open channels, wherever possible.

Representative from NITI Aayog inquired about the status of land acquisition. The Project Authority informed that negotiations for land acquisition have not commenced yet. A significant portion of the required land is forest land and revenue land, and the acquisition process will be initiated following acceptance from the Advisory Committee.

Secretary, DOWR, RD & GR stressed that since the project is comparatively small, Project Authorities may experiment and consider the recommendation of underground pipeline distribution system and to increase the use of micro irrigation in the command area well beyond

10%. Further, Project Authorities may come up with comprehensive plan for the same at Investment Clearance stage.

After detailed deliberations, project was accepted by the Advisory Committee of DoWR, RD & GR with the following observations.

- i. Acceptance of project 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 AIBP, PMKSY, RRR, FMP etc or funding from any external multilateral agency.*
- ii. Statutory clearance (Environment, Forest, Wildlife, Tribal Affairs & R & R etc.) as applicable may be ensured by the Project Authority.*
- iii. Project Authorities shall obtain State Finance Concurrence*
- iv. Project Authorities shall come up with comprehensive plan for pipeline distribution system and micro irrigation in the command area well beyond 10% at Investment Clearance stage.*

Flood Protection Schemes

3. Anti-Erosion work over Kameng river in East Kameng district, Govt. of Arunachal Pradesh (Estimated Cost: Rs 66.41 Cr (Price Level: December 2023), BC Ratio 1.10:1)

A detailed presentation was made by the Chief Engineer, WRD, Govt of Arunachal Pradesh. It was mentioned that present scheme comprises of following works:

1. RCC Retaining Wall for a total length of 90 mt
2. Gabion Guide Wall at Seppa Town on both banks for a total length of 5.10 Km
3. Gabion Guide Wall at Pachi Village on left bank for a total length of 1.270 Km

He further informed that the necessary clearances from the State Technical Advisory Committee, State Flood Control Board, Forest Department, and Finance Department have been obtained.

The NITI Aayog questioned the three-year timeline for project completion, considering the relatively smaller scale of the project and the potential for optimization. The State Government responded that they would adhere to the timeline established by the Central Government.

Commissioner (FM), inquired about the potential vulnerability of the glacial lake, given that the river originates from it to which the State Government responded that no such studies has been conducted by the State Government till now.

Secretary, DoWR, RD & GR recalled requesting the State Govt to take up non-structural measures such as Flood Plain Zoning, Asset Monitoring, and Encroachment Prevention Mechanisms to address flood risks during the previous Advisory Committee meeting. Secretary, WRD, Arunachal Pradesh assured that they will take up non structural aspects as well. Secretary, DoWR, RD & GR asked the State Government to come up with Flood Plain Zone notification or come up with schedule of Flood Plain Zoning in this area before Investment Clearance stage.



After detailed deliberations, project was accepted by the Advisory Committee of DoWR, RD & GR with the following observations.

- i. *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.*
- ii. *The Project Authority should ensure that the flood plain zoning for this area is finalized/ notified in accordance with the Flood Plain Zoning Act or come up with schedule of Flood Plain Zoning before Investment Clearance stage.*

4. Anti-erosion measures at different reaches of rivers Garuphella and Longa in Kokrajhar district, BTC region, Govt. of Assam (Estimated cost Rs. Rs.170.00 Crores @ January 2024 PL, BC Ratio 1.43:1)

A detailed presentation was made by the Additional Chief Engineer cum Council Head of Department, Water Resources Department, BTC, Assam informing that the proposal was placed before the 155th Advisory Committee meeting held on 08.03.2024 but scheme was deferred, and they were instructed to prepare comprehensive master plan after consulting Govt. of Assam and Brahmaputra Board. He informed the committee that Brahmaputra Board, Guwahati has conveyed that master plan for Tipkai basin approved during year 2011 recommended anti-erosion works.

Further, after 155th Advisory Committee meeting of DoWR, RD&GR, site visit by Chief Engineer, BBO, CWC was conducted in the month of June 2024 and it was recommended to consider the project as standalone project in public interest to save valuable land, properties and habitation.

During the presentation, it was mentioned that present scheme comprises of following works:

- i. Revetment with Launching Apron on Garuphella & Longa river for a total length of 18.935Km
- ii. 2180 PSC porcupines on both rivers at U/S and D/S of revetment reaches

After implementation of the scheme, approx. 100000 persons are envisaged to be benefitted from the area of approx.5703 Ha. of Kokrajhar district in Assam.

CE, BBO however informed that the scheme is not included in master plan of Brahmaputra Board as BTC is independent/ autonomous body.

Further, Chairman, Brahmaputra Board stated that this river is in the master plan of Brahmaputra Board, however, the master plan does not mention structural measures specific to the location. He also informed that the velocity of the river is high in BTC region, causing erosion in the area.

Secretary, DoWR, RD & GR asked CWC and Brahmaputra Board to look into potential for preventive measures like basin treatment to reduce erosion. She further emphasized that given the relatively small size of the BTC region, flood plain zoning for this area may be finalized/ notified in accordance with the Flood Plain Zoning Act or come up with schedule of Flood Plain Zoning before Investment Clearance stage.

After detailed deliberations, project was accepted by the Advisory Committee of DoWR, RD & GR with the following observations.

- i. *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.*
- ii. *The Project Authority should ensure that the flood plain zoning for this area is finalized/ notified in accordance with the Flood Plain Zoning Act or come up with schedule of Flood Plain Zoning before Investment Clearance stage.*

5. Construction of Left and Right embankments and allied works of Masan river under West Champaran District, Govt. of Bihar (Estimated Cost: Rs. 214.96 Crores @ 2022 PL, BC ratio 1.26:1)

A detailed presentation was made by the Engineer in Chief, Flood Control & Drainage, WRD, Bihar informing that the Masan River is a flashy monsoon river. The water flows at high speed in the river spreading water in the surrounding country side areas and thereby creating huge losses of life and property. Flood in this river causes massive devastation by inundation as well as by erosion during monsoon annually.

In this context, out of 35.45 km total length on right side of the river only 15.90 km is embanked. Therefore, remaining about 34.86 km length may be covered with embankment starting from Hariharpur village to Bahuwari village on right bank. Similarly, a length of 8.34 km approximately covered with embankments on left bank of the river.

Secretary, DoWR, RD & GR enquired about the reasons for construction of ramps at different locations to which the project authorities stated that construction of ramps are incorporated to reduce the damages to the slope of embankment done by animals while crossing the embankment.

Commissioner, FM pointed out shortcomings in respect of hydrological aspects as design discharge of 383.60 cumecs is significantly low and the construction of embankments for such a small amount of discharge needs thorough investigation. To this, State Government responded that the river is a flashing river, if a discharge of 383.60 cumecs comes in a short span, it creates flash flood situation. In addition, river along this reach has a low carrying capacity due to deposition of silt.

Secretary, DoWR, RD & GR directed GFCC to look into the technical aspects again especially hydrological aspects and may consult CWC/ FM wing of DoWR, RD & GR for necessary guidance/support.

After detailed deliberations, the project was deferred by the Advisory Committee with an instruction to GFCC to re-examine the hydrological aspects of the proposal in consultation with CWC and as per requirement with FM wing of DoWR, RD & GR.

6. River linking Gandak-Akali nala (Chhari)-Gandaki-Mabi-Ganga, Govt. of Bihar (Estimated cost: Rs. 69.75 Crores @ 2023 PL, BC Ratio 2.19:1)

A detailed presentation was made by the Engineer in Chief, Flood Control & Drainage, WRD, Bihar informing that due to heavy discharge in river Gandak along with drainage congestion & inability of small rivers to carry heavy monsoon discharge, flood like situation is created in Gopalganj, Siwan and Saran. The Chhari-Gandaki-Mahi river system extends in 170 km length in Gopalganj (43 km), Siwan (44 km) and Saran (83 km) districts. It originates from Gandak river at Hirapakar Sluice (139.50 km of Saran embankment) in Gopalganj district and the confluence of this system with river Ganga is situated at Hasilpur in Saran districts. This natural system is highly affected by silt deposition and encroachment, which aggravates flooding in the region.

The project is proposed with the primary objective to link Gandak-Ganga river via Chhari river/ Gandaki river/ Mahi river by diverting water from river Gandak & different drainage channels to have final outfall in river Ganga. The physical and financial progress of the project stands at 68.54 % (Earthwork completed in 116 km out of Total 170 km) and Rs. 45.85 Cr. (66.56%) respectively.

Commissioner, FM opined that the project seems to be broadly an irrigation project and the flood protection is only an incidental benefit as the project involves diverting water for consumptive use. To this, State Government informed that the project is not a irrigation project as no canal system is developed and it involves decongestion of drainage and reviving of a natural channel.

After detailed deliberations, project was accepted by the Advisory Committee of DoWR, RD & GR. 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.

7. Restoration work at Saran embankment as per BIS code with provision of Bituminous Road on the top of Embankment from km 80.00 to km 120.280 Dist.- Gopalganj, block-Baikunthpur, Sidhwaliya, Barauli, Govt. of Bihar (Estimated Amount: Rs. 124.11 Crores @ 2023 PL, BC Ratio: 1.71:1)

A detailed presentation was made by the Engineer in Chief, Flood Control & Drainage, WRD, Bihar informing that length of Saran embankment is 152.00 km out of which 80.00 km (km 0.00 to 80.00) lies in Saran district while rest 72.00 km (km 80.00 to 152.00) lies in Gopalganj district. This embankment is mostly blacktopped in the downstream reach in Saran district whereas it is completely earthen in Gopalganj district. Due to heavy discharge and morphology of the river, Saran embankment remains highly vulnerable & sensitive during flood in Gopalganj district. The project is proposed with the primary objective of raising, strengthening and puccikaran of Saran Embankment between km 80.00 to km 120.28.

JS & FA, DoWR, RD & GR enquired about the cost of road component in the project to which State Government stated that it was around 100 Crores. JS & FA, DoWR, RD & GR asked for justification for putting the project before the Advisory Committee when the major component (around Rs. 100 Crs. out of Rs. 124.11 Crores) is road works. The State Government responded that the black topping prevents the deterioration of embankment which will significantly increase its life. He further informed that blacktopped roads provide easy access to several most-vulnerable sites for inspection and transportation of materials during flood season as prompt response is required to reach the embankment in case of breach of the embankment. It also significantly reduces expenditure incurred on Anti Erosion/flood fighting works.



Secretary, DoWR, RD & GR instructed project authorities that the first priority of the committee is to check the strengthening of embankment, Anti Erosion and Flood protection measures and not the blacktopping of the embankments. *However, since the major portion of the works is towards construction of road on the embankment therefore it cannot be funded under FMP.* She further instructed the GFCC that all the flood projects appraised by them may also be consulted with FM wing of DoWR, RD & GR before placing the project before the Advisory Committee for consideration.

After detailed deliberations, project was accepted by the Advisory Committee of DoWR, RD & GR. However, 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.

8. Project for construction of Sahayak Tatbund of Surajpur Bund on Right Bank of River Saryu in District – Mau, Govt. of Uttar Pradesh (Estimated Amount: Rs. 52.23 Cr (Price Level:2023), BC Ratio 1.56:1)

A detailed presentation was made by the Chief Engineer (Gandak), WRD, UP informing that during monsoon season, the Saryu river carries heavy silt load with flood water, causing meandering and severe floods in Lakhimpur Khiri, Sitapur, Gonda, Barabanki, Ayodhya, Ambedkar Nagar, Basti, Gorakhpur, Azamgarh, Mau, Deoria and Ballia districts of U.P. On the right bank of Saryu River in Madhuban Tehsil of Mau district, there exists a situation of yearly inundation between river Saryu and existing Surajpur embankment, affecting more than 48500 population of 15 villages, 2880 hectares of cultivable land (Flood affected area). To address the situation of water inundation in Madhuban Tehsil of Mau district, a ring bund on existing Surajpur embankment/ Haha Nala Bund has been proposed. Accordingly, a project for construction of Surajpur Sahayak Tatbund on the Right Bank of river Saryu, starting from chainage 0.400 km of existing Surajpur embankment and ending at chainage 0.800 km of Haha Nala bund has been formulated.

Secretary, DoWR, RD & GR remarked that the construction of proposed tatbund will result in further narrowing of the river, thereby causing future problems. To this the State Government informed that the existing tatbund was constructed long back and now there is a settlement of considerable number of villages between the river and existing embankment. To protect the settlement, ring bund on existing Surajpur embankment/ Haha Nala Bund have been proposed.

Secretary, DoWR, RD & GR remarked that the proposal goes against the principles of flood plain zoning. Therefore, being a policy decision, State Government needs to look at it further at highest level.

After detailed deliberations, project was deferred by the Advisory Committee of DoWR, RD & GR.

9. Construction of pumping station on Kalan nala near Kalyanpur at km 18.200 of Machhligaon Algotpur bund on right bank of river Rohin in distt Gorakhpur, Govt. of Uttar Pradesh (Estimated Amount: Rs.54.52 Crores @ 2023 PL, BC Ratio 3.48:1)

A detailed presentation was made by the Chief Engineer (Gandak), WRD, UP informing that the objective of the proposal is to protect the area from water inundation of 36 villages (120000 Population) and 4643.96 hectare of agricultural land in Tehsil Campierganj of District Gorakhpur during monsoon season. When the stage of the river Rohin is higher than the water level of country side of the area & there is heavy rainfall in catchment of the Kalan Nala, the flapper gates of the regulators closes automatically, consequently the countryside water inundates in 36 villages of tehsil Campierganj of District Gorakhpur

Additional Secretary, DoWR, RD & GR suggested for using solar powered pump instead of diesel run pump to which State Government responded that the high capacity pumps will be used for only 1-2 month in a year during floods season as per requirement. Further, the operation of pumps will be continuous 24x7 to pump out the water. Therefore, the use of solar powered pumps will not be feasible.

Chairman, CWC advised the State Government to prepare the operational manual and SOP for running of the pump during flood season.

Secretary, DoWR, RD, & GR recommended that the a team from CWC and ministry should visit the flood prone areas of UP and conduct a half day brainstorming session with State Government for arriving at better solutions to the flood prone area as the pump schemes might be expensive and not feasible as a long term solution. She also recommended that capacity building programme regarding the flood plain zoning may be organised by NWA for officials of regional offices of CWC and State Government.

After detailed deliberations, project was accepted by the Advisory Committee of DoWR, RD & GR. 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.

10. Construction of Pumping Station near village Siuria at km 10.000 Of Maniram Domingarh Bund on right bank of river Rohin in distt Gorakhpur, Govt. of Uttar Pradesh (Estimated Amount: Rs. Rs. 57.1957 Crore @ 2023 PL, BC Ratio 2.84:1)

A detailed presentation was made by the Chief Engineer (Gandak), WRD, UP , informing that the objective of the proposal is to protect the area from water inundation of 60 villages (98000 Population) and 4941 hectare of agricultural land in Tehsil Sadar & Campierganj of District-Gorakhpur during monsoon season. When the stage of the river is higher than the water level of country side of the area & there is heavy rainfall in catchment of the Siuria Tal, the flapper gates of the regulators close automatically, consequently the countryside water inundates in 60 villages of tehsils Sadar & Campierganj in District Gorakhpur.

The committee observed that the proposal is similar to the proposal of pumping station on Kalan nala, discussed above, but on different reach.

After detailed deliberations, project was accepted by the Advisory Committee of DoWR, RD & GR. 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

The meeting ended with vote of thanks to the Chair.



ANNEXURE

**GOVERNMENT OF INDIA
ADVISORY COMMITTEE FOR CONSIDERATION OF TECHNO-ECONOMIC
VIABILITY OF MAJOR & MEDIUM IRRIGATION, FLOOD CONTROL AND
MULTIPURPOSE PROJECT PROPOSALS
156th MEETING HELD ON 03.09.2024**

List of Participants

Ms. Debashree Mukherjee, Secretary, DoWR, RD & GR

In Chair

Members of the Advisory Committee or their representative / Nominees:
Smt./Shri

1	KushvinderVohra, Chairman, Central Water Commission	Member
2	A. Murlidharan, Deputy Advisor, NITI Aayog	Member
3	Dr. Sunil Kumar Ambast, Chairman, CGWB	Member
4	Richa Mishra , Joint Secretary, & Financial Advisor , DoWR, RD & GR)	Member
5	Mohd. Haneef, Additional Chief Advisor (Cost) (Representing Deptt. of Expenditure)	Member
6	Inder Mohan, Under Secretary (Representing Secretary, Ministry of Power)	Member
7	Balwan Kumar , Director (Representing Chairman , CEA)	Member
8	Asha Sota, Director (FRM), MoA& FW (Representing Secretary, Department of Agriculture & Farmers Welfare)	Member
9	Dr. Adlul Islam, Pr. Scientist, ICAR (Representing Director General, ICAR)	Member
10	Yogesh Paithankar, Chief Engineer, Project Appraisal Organization, CWC	Member Secretary

Special Invitees:

**Deptt of Water Resources, RD & GR
Smt./Shri**

1. Rakesh Verma, Addl. Secretary
2. Praveen Kumar, Commissioner (SPR)
3. Sharad Chandra, Commissioner (FM)
4. Rajesh Kumar , Senior Joint Commissioner-II

**Brahmaputra Board
Smt./Shri**

1. Dr. Ranbir Singh, Chairman, Guwahati

**Central Water Commission
Smt./Shri**

1. Navin Kumar, Member (WP&P), New Delhi
2. Bhopal Singh, Member (D&R), New Delhi
3. A.S. Goel, Member (RM), New Delhi
4. B. K. Karjee, Chief Engineer, FMO, New Delhi

5. G.L. Bansal, Chief Engineer, BBO, Guwahati
6. A.K. Pradhan, Chief Engineer, M&ERO, Bhubaneswar
7. B.C.Vishwakarma, Director,CA(Irr)-I, New Delhi
8. Piyush Kumar, Director, FMP, New Delhi
9. S.K. Samal, Director, M&A, Bhubaneswar
10. Hitesh Kumar Gupta, Deputy Director, PA(N) Dte, New Delhi
11. Rakesh Gupta, Deputy Director, FMP, New Delhi
12. Ram Pratap Singh Tomar, Assistant Director, PA(N) Dte, New Delhi
13. Ankesh Ranjan Sinha, Assistant Director-II, PA(N) Dte, New Delhi

O/o Chief Advisor (Cost), Department of Expenditure, Ministry of Finance

1. Amit Kumar, Director (Cost)
2. Jitendra K. Verma, Assistant Director

**Ganga Flood Control Commission (GFCC),
Smt./Shri**

1. S.K. Rajan, Member (C), Patna
2. Vivek Pal, Director, Lucknow

**Officers from State Government of Odisha
Smt./Shri**

1. Lingaraj Goud , Engineer in Chief (Planning & Design)
2. Sagar Mohanty, Chief Engineer, Planning
3. Golak Bihari Pattanaik, Director, Palnning(South & Coordination)
4. Priyaranjan Sahoo, Deputy Director (Coordination)
5. Narmada Padhi, Assistant Engineer (O/o Interstate Water Dispute Cell)

**Officers from State Government of Bihar
Smt./Shri**

1. Manoj Raman, Engineer-in-Chief, Flood Control and Drainage, WRD
2. Sharad Kumar, CE, Irrigation Creation, WRD, Motihari
3. Ravi Kumar, Executive Engineer, Tirhut Canal Division, Motipur Camp, Muzaffarpur
4. Suman Saurav, Executive Engineer, Flood Control .Planning &Monitoring, Division-16
5. Chandra Shekhar Kumar, Resident Engineer (Executive Engineer), liaison office, WRD
6. Sheik Mohammed Naseer Ahmad, Consultant

**Officers from State Government of Arunachal Pradesh
Smt./Shri**

1. Pige Ligu, Secretary, WRD
2. G. Borang, Chief Engineer, WRD
3. Gorong Pertin, Executive Engineer, WRD
4. Harish Kumar Chauhan, Liaison Officer
5. Vishal Singh, Consultant

**Officers from BTC, Assam
Smt./Shri**

1. Nagendra Karmakar, Additional Chief Engineer cum Council Head of Department (CHD), WRD, BTC
2. Rajesh Kumar Brahma, Executive Engineer, WRD Kokrajhar division
3. Alakesh Barua, Assistant Executive Engineer, WRD Kokrajhar division

Officers from State Government of Uttar Pradesh
Smt./Shri

1. Vikash Kumar Singh, Chief Engineer (Gandak)
2. K.P. Singh, Superintending Engineer
3. Manoj Singh, Executive Engineer
4. Awadhesh Chaudhary, Assistant Engineer
5. Dhanajay Kumar Yadav, Assistant Engineer

