

### राष्ट्रीय जल विकास अभिकरण

जल शक्ति मंत्रालय, भारत सरकार (जल संसाधन, नदी विकास और गंगा संरक्षण विभाग)

#### National Water Development Agency

Ministry of Jal Shakti, Government of India (Department of Water Resources, River Development and Ganga Rejuvenation)



No.: SCILR/Tech/400/5/2023/943-70

Date: 22.3.2023

Sub: Minutes of the Seventeenth (17th) meeting of the "Task Force for Interlinking of Rivers" held on 6.3.2023 at Hyderabad in hybrid mode - reg.

Madam/Sir.

The seventeenth (17th) meeting of the "Task Force for Interlinking of Rivers" was held on 6.3.2023 at 11:30 A.M., at Jal Soudha, BOC Hall, First floor, Errum Manzil, Hyderabad under the Chairmanship of Shri Sriram Vedire, Advisor, DoWR, RD & GR, Ministry of Jal Shakti and Chairman of the Task Force for Interlinking of Rivers. The meeting was held in Hybrid mode.

A copy of the Minutes of the meeting duly approved by the Chairman, Task Force, is enclosed for kind information.

Yours faithfully,

Encl: As above

(D.K.Sharma)

Director (Tech.) dirtech-nwda@nic.in

To

- 1. Shri Sriram Vedire, Advisor, Ministry of Jal Shakti, DoWR, RD & GR and Chairman, Task Force for ILR, Room No. 428 B, Shram Shakti Bhawan, New Delhi, E mail: advtomin-mowr@gov.in, Phone 011-23708418, 09441002730 (M).
- 2. Chairman CWC, Sewa Bhawan, R.K. Puram, New Delhi -110066. Email: chairmancwc@nic.in, Phone: 011-26195415.

Contd./-



- 3. Special Secretary (DoWR, RD & GR), Ministry of Jal Shakti, Shram Shakti Bhawan, Rafi Marg, New Delhi. Email: aswrs-mowr@nic.in, Phone 011-23714609.
- Shri Prodipto Ghosh, Former Secretary, MoE&F & Distinguished Fellow TERI, Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi-110003. E-mail: prodipto@teri.res.in, prodipto5@gmail.com Phone: 0ll -24682100, 9810490639 (M).
- 5. **JS & FA**, Ministry of Jal Shakti, DoWR, RD & GR, Shram Shakti Bhawan, Rafi Marg, New Delhi. E mail: fawr-mowr @nic.in, Phone 011- 23710297.
- 6. **Shri A.D. Mohile**, Ex. Chairman, CWC, New Delhi. E-mail: anildmohile@gmail.com, Phone: 0124-4055262, 9891154061(M).
- Shri M. Gopalakrishnan, Former Secretary General, ICID, D-1/12, Janakpuri, New Delhi, Email: mgopalakrishnan@hotmail.com, mgopalakrishnan.in@yahoo.com, mgopalakrishnan\_in@yahoo.com. Phone: 09538923627 (Bangalore), 011-28524495 (R), 09811301279 (Delhi).
- 8. **Dr. Shobha (Vrushali) Waghmare**, 204, Rukmini Heights (Tulsi Developers), Sharda Nagar, Nanded 431602. E-mail: drvrushaliwaghmare618@gmail.com, Phone: 09823208618 (M).
- 9. **Prof. Chandan Mahanta**, Deptt. of Civil Engineering, Indian Institute of Technology (IIT), Guwahati 781014 (Assam), E-mail: chandan@iit g.ernet.in, Phone: 0361-2582407.
- 10.Prof. K. V. Raju, Theme Leader, Policy and Impact, Regional Program-Asia, ICRISAT, Lakshmi Nilaya, No. 20, 3rd Floor, 17th Cross, 151 Main, 5th Phase, J.P. Nagar, Bangaluru 560078. Email: kvraju2008@gmail.com, Phone: 98454 15305 (M).
- 11. **The Joint Secretary (North),** Ministry of External Affairs, Room no.149-A, South Block, New Delhi 110011, E-mail: jsnorth@mea.gov.in, usnepal1@mea.gov.in. Phone no.: 011-49016745.
- 12. **Director General**, NWDA & Member Secretary, TFILR, 18-20, Community Centre, Saket, New Delhi -110017, E mail: dg-nwda@nic.in, Phone: 011-2327582.

Contd./-

#### **Special Invitees:**

- 1. Principal Secretary, Irrigation & CAD Department, Govt. of Andhra Pradesh, 4<sup>th</sup> Block, 1<sup>st</sup> floor, Room no. 2016, Velagapudi, Andhra Pradesh. E-mail: psdwrap15@gmail.com/secy\_irrgn@ap.gov.in. Phone no.- 0863-2444248.
- 2. Additional Chief Secretary, Water Resources Department, Govt. of Karnataka, M S Building, Sachivalaya II, Bengaluru 560001, Karnataka. E-mail: acs-wr@karnataka.gov.in, prs-wr@karnataka.gov.in. Phone no.- 080 22257064, 22255524.
- 3. Additional Chief Secretary, WRD, Govt. of Tamil Nadu, Chennai-600009, Tamil Nadu. E-mail: wrdsec@tn.gov.in. Phone no. 044 25671644, 044 –25675673.
- Special Chief Secretary, Irrigation & CAD Department, Govt. of Telangana, BRK Bhawan, 6<sup>th</sup> Floor, Telangana Secretariat building, Hyderabad- 500022, Telangana. E-mail: secy-irg@telangana.gov.in. Phone no. - 040-23450606.
- 5. The Principal Secretary /Additional Chief Secretary, WRD, Govt. of Madhya Pradesh, 2<sup>nd</sup> floor, Vallabh Bhawan, Bhopal, Madhya Pradesh-462001. E-mail: pswrd@mp.gov.in. Phone no. 0755 2570005, 0755 2441827, 0755-2708535.
- 6. Additional Chief Secretary, Water Resources Department, Govt. of Rajasthan, Room no. 4224, 2<sup>nd</sup> floor, Main building, Govt. Secretariat, Jaipur 302001, Rajasthan. E-mail: pswrdraj@rajasthan.gov.in, aceiswrd@gmail.com, ce.wr@rajasthan.gov.in, SEIS.JAIPUR.WRD@rajasthan.gov.in. . Phone no. 0141–2227142.
- 7. Director, NIT, Warangal, Telangana- 506004. E- mail: director@nitw.ac.in. Kind Attn.: Prof. N.V. Uma Mahesh, E-mail: mahesh@nitw.ac.in, uvnanduri@gmail.com. Mob.: 09849730834.
- 8. Sh. Shambhu Azad, Chief Executive Director, WAPCOS, Gurgaon. E-mail: wrd@wapcos.co.in, <a href="mailto:shambhuazad@gmail.com">shambhuazad@gmail.com</a>. Mob.: 09999994151

#### Copy to:

- 1. Chief Engineer (HQ), NWDA, Saket, New Delhi, Email: cehq-nwda@nic.in. Phone: 011-26852735, Fax: 011-26960841.
- 2. Chief Engineer (South), NWDA, Hyderabad, E-mail: cesnwda@rediffmail.com, ceshyd-nwda@nic.in.
- 3. Chief Engineer (North), NWDA, 4/193 F, Vishal Khand, Gomti Nagar, Lucknow-226010 (U.P). E-mail: cenlko-nwda@nic.in, Phone: 0522-2304447.

- 4. Superintending Engineer (North), NWDA, Palika Bhawan, R.K. Puram, Sector-13, New Delhi -110066, E-mail: se3nwda@rediffmail.com, Phone: 011-26852735.
- 5. Superintending Engineer (South), NWDA, Palika Bhawan, R.K. Puram, Sector-13, New Delhi-110066, E-mail: se1nwda @rediffmail.com, Phone: 011-24195731.
- Superintending Engineer, IC, NWDA, Bhubaneswar /Patna / Hyderabad/ Gwalior / Valsad.

#### Copy for kind information to:

- 1. PS to Hon'ble Union Minister for Jal Shakti, New Delhi. E-mail: psmwr-mowr@nic.in, Phone: 011-23714200, Fax: 011-23710804.
- 2. PS to Advisor, Ministry for Jal Shakti, Room No. 428 B, Shram Shakti Bhawan, New Delhi, E-mail: advtomin-mowr@gov.in Phone 011-23708418.

Minutes of the 17<sup>th</sup> Meeting of Task Force for Interlinking of Rivers (TFILR) held on 6<sup>th</sup> March, 2023 at Hyderabad.

The seventeenth meeting of Task Force for Interlinking of Rivers was held on 6<sup>th</sup> March, 2023 at Hyderabad in hybrid mode, under the Chairmanship of Shri Sriram Vedire, Chairman, Task Force for Interlinking of Rivers & Advisor, Ministry of Jal Shakti. List of the participants is given at **Annexure-I**.

- **1.0** At the outset of the meeting, Director General welcomed Chairman of Task Force, its members and all the invitees.
- 2.0 In his opening remarks, Chairman of the Task Force for Interlinking of Rivers gave a brief background of Task Force for Interlinking of Rivers and its mandates and highlighted that consensus building among States is a very crucial aspect of Interlinking of Rivers (ILR). He apprised all participants that safeguarding of rights of each state is the most important factor that is considered in consensus building process adopted by TFILR or Ministry of Jal Shakti for any interlinking of river project. He briefly explained about progress achieved in work related to Ken-Betwa Link Project and emphasized that present meeting would focus on two priority links viz; Godavari-Cauvery link project and Modified Parbati-Kalisindh-Chambal project (duly integrated with Eastern Rajasthan Canal Project (ERCP)).

He requested DG, NWDA to present the agenda items.

- 3.0 DG, NWDA thanked Chairman, TFILR for his efforts in consensus building process and mentioned that TFILR is a very important forum for propagating the ILR programme in the country. He made a power point presentation covering agenda items one by one. The deliberations held and decisions taken on agenda items are as follows:
- 3.1: Item 17.1: Confirmation of minutes of the 16<sup>th</sup> meeting of Task Force for Interlinking of Rivers held on 17<sup>th</sup> May, 2022 at MoJS.

Director General, NWDA informed that the minutes of 16<sup>th</sup> meeting of the Task Force for Interlinking of Rivers (TF-ILR) were circulated and no comments were received from any of the members, the minutes of 16<sup>th</sup> meeting of the Task Force for Interlinking of Rivers may be confirmed as circulated.

The members of the Task Force confirmed the minutes.

## 3.2 Item no. 16.2: Action Taken Report on The Decisions Taken in the 16<sup>th</sup> Meeting of TF-ILR

DG, NWDA briefed the members that the proposal of Task Force making the Modified Parbati-Kalisindh- Chambal link duly integrated with ERCP as part of NPP of ILR and declaring the Phase-I of this project as one of the priority link projects of NPP, was submitted to SCILR and got approval in its 20<sup>th</sup> meeting held on 13.12.22. Regarding, Mahanadi-Godavari link project, experts' opinion has been taken and it was decided not to pursue the matter of taking it as a priority link further at this stage.

#### 3.3 Item 16.3: Implementation of Ken-Betwa Link Project:

DG, NWDA briefed the members about the present status and progress made in moving forward towards implementation of Ken Betwa Link Project. He explained that initially the focus is on land acquisition, R&R, fulfilling the compliances to the conditions of forest clearance and wildlife clearance. Survey for acquisition of land in 21 villages has been completed and land acquisition of these villages have already been notified under Section 11 and Section 19 of Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act-2013. The orders for transfer of 5479.63 ha of Non- Forest Govt. Land to PTR have already been issued. The work on State specific components like Lower Orr, Kotha Barrage and Bina Complex Multipurpose Project is already in progress. He also informed about the issues requiring attention like completion of land acquisition work, Finalization of R&R Plan, floating the tender documentation for Daudhan dam and conservation Measures of PTR etc.

Chairman, TFILR and Sh. M. Gopalakrishnan appreciated the progress achieved in works related to KBLP by NWDA, KBLPA and Ministry of Jal Shakti.

Dr. Virendra M. Tiwari, NGRI, Hyderabad suggested to consider ground water recharge due to interlinking of rivers and impact of climate change during ILR studies. He also requested for a copy of Landscape Management Plan.

DG, NWDA replied that all environmental factors, climate change impacts and ground water recharge are considered in ILR projects and system studies of link projects are being carried out with this objective.

# 3.4 Item 17.4: Phase-I of Modified Parbati-Kalisindh-Chambal (PKC) by integrating original PKC Link (as proposed under Peninsular Component of NPP) with proposed Eastern Rajasthan Canal Project (ERCP) of Rajasthan

DG, NWDA apprised all the members that as recommended by the Task Force on interlinking of rivers, the proposal for making the Modified Parbati-Kalisindh-Chambal link (original PKC duly integrated with Eastern Rajasthan Canal Project - ERCP) as part of National Perspective Plan (NPP) of ILR and declaring the Phase-I of the Modified PKC link as one of the priority link projects in the country, was approved by the Special Committee for Interlinking of Rivers (SCILR) in its 20<sup>th</sup> meeting held on 13<sup>th</sup> December, 2022 in New Delhi.

He briefed about modified PKC link, its components and benefits as well as alternative scenarios being explored to provide annual irrigation of about 2.8 lakh ha (as envisaged under ERCP), under Phase-I itself. This aspect shall be studied while preparing the DPR of Phase-I of Modified PKC link. He apprised the members about outcomes of joint meeting held with both States, WAPCOS and CWC, on 23.2.23 and on basis of deliberations during the meeting, it is proposed to complete Draft DPR of the link project in a period of 4 to 5 months.

Chairman, TFILR thanked SCILR for according approval to its proposal to make modified PKC link as part of NPP and declaring the Phase-I of the Modified PKC link as one of the priority link projects in the country. Thereafter, he referred to discussions held by the Ministry of Jal Shakti with CWC, WAPCOS and NWDA in last few months on the subject matter and requested both the concerned States to consider Ministry's perspective and efforts for trying to meet the demands of both the states in this project. He brought to the notice of the members that the updated pre-feasibility studies by NWDA and WAPCOS have indicated that not only the drinking water needs in 13 districts of Rajasthan but also irrigation to the tune of 2.8 lakh ha (0.8 lakh stabilisation

and 2 lakh ha new command) can also be provided in the Phase-I itself by utilising regenerated water along with the water available under 75% dependability. He also explained about regeneration / return flows (40%) that have been considered during planning, are on very conservative basis and are also technically validated by CWC. He conveyed to the members that the proposal has accommodated the benefits that were envisaged under the ERCP project in Rajasthan and also the requirements of Madhya Pradesh as well. He informed that it is a win-win situation for the both the states as substantial central funding is possible for this project as it comes under the interlinking of rivers projects category.

Thereafter, Sh. Ravi Solanki, Chief Engineer, Govt. of Rajasthan put forth the views of the State and requested to recalculate the quantum of diversion of water and utilisation. He raised query regarding difference in quantum of diversion in four Reports submitted by CWC. He also requested that Rajasthan should be given diversion at 50% dependability and plan the project as per DPR guidelines of the Ministry and decision taken during 12<sup>th</sup> and 13th meeting of Inter-state Control Board. He raised apprehensions on the assumed regeneration quantity of about 680 MCM (40 %) considered. He requested to allow to use the regeneration water in ERCP as available from water utilisation in MP.

DG, NWDA explained that difference in quantum of diversion in studies, is due to differences in upstream utilisation and as decided during joint meeting with States that was held on 23.2.2023, the hydrology shall be finalised by CWC. He also reiterated that Inter State Control Board's decisions / Agreements for allowing utilisation of yield of 10 percent catchment of upstream state, NITI Aayog guidelines of 2004 which limit utilisation to 75% dependability in interstate basins and CWC guidelines for project planning and preparation of DPRs of 2010, are all independent entities and all need to be considered and referred in right perspective.

Sh. M.S.Dabur, Engineer –in Chief, WRD, Madhya Pradesh reiterated to do entire planning of RECP at 75% dependability and to add projects for Malwa region of Madhya Pradesh in modified PKC link proposal and include 7 projects in Upper Chambal as planned in original PKC link in Phase-I itself.

Sh. A.D. Mohile opined that both the States should come forward and reach some sort of agreement for the implementation of the project. He also emphasized that regeneration of 40% is quite on conservative side and is definitely feasible. Sh. M.Gopalakrishnan also found the assumption of 40% regeneration from drinking water very reasonable. He suggested that environmental aspects are also needed to be taken care of, in addition to demands of individual States.

Chairman, TF-ILR mentioned that views/ concerns of both the States have been noted and shall be accommodated to the extent feasible while preparing the final DPR. He also thanked the experts' members of TFILR for sharing their views on this link especially clarifying that the quantity of return flows used in the planning is rational and holds merit.

After the above deliberations and taking into consideration the views expressed, the TFILR has endorsed the pre-feasibility calculations made by NWDA which ensures provision of benefits to Rajasthan (as was envisaged under ERCP especially drinking water to 13 districts and irrigation to 2.8 lakh hectares) and also meet the requirements of MP. It recommended NWDA to ensure that the above pre-feasibility calculations be made part of the DPR of Phase-I of Modified PKC link and the DPR preparation should be taken up right away as per framework discussed in the joint meeting held on 23.02.2023.

## 3.5 Item no. 17.5: Godavari (Inchampalli barrage) – Cauvery (Grand Anicut) link proposal

DG, NWDA briefly mentioned about DPR of the link project that was circulated to party States in April, 2021 and four consultation meetings held with States so far. He informed that Technical Feasibility Report for proposal of limiting the transfer from 7000 MCM to about 4000 MCM from Godavari along with combining the proposal for supplementation in Krishna basin through Bedti-Varda link has been prepared by NWDA and circulated to concerned States in January, 2023. He gave details of quantum of water diversion and benefits to Party States from the modified proposal.

Shri Rajat Kumar, Spl. Chief Secretary, I & CAD, Govt. of Telangana mentioned that Telangana State has prepared DPRs for utilisation of 968 TMC of Godavari water and are under appraisal in CWC. Only after fulfilling all the requirement of the state in Godavari basin, the transfer of any surplus water available in Godavari can be considered. He suggested to seek written consent of Chhattisgarh before making diversion proposals. He requested that 50% of entire allocation from Godavari — Cauvery link project should be allocated for Telangana. He mentioned that any diversion from G-C link to Krishna basin may attract clause 14B of KWDT-I and legal aspects in this regard may be viewed for allocation of this additional water. He clarified that Telangana wholeheartedly supports this link as long as the state's allocated water by GWDT is not touched upon. He requested that drawing water from Inchampalli location needs to be relooked into as it might impact the operation of Sammakka barrage downstream. He also requested that if diversion is proposed from Polavaram, then entire outside basin needs of AP from Krishna water shall be made available to Telangana State for meeting its in-basin needs.

Chairman, TFILR requested CWC to expedite approval of DPRs of Projects (as submitted by State of Telangana) by following the guidelines and assured that request of Telangana in this regard would be considered in thoughtful manner. He also assured that Sammakka barrage's technical aspects would be taken into consideration while deciding on the exact location of the source (around Inchampalli) without any disturbance to Telangana's projects and also allocation of water as per GWDT to any State would not be disturbed. Regarding utilization of Chhattisgarh's water, he informed that the matter shall be taken up with Chhattisgarh at appropriate level.

Sh. Shashi Bhushan Kumar, Principal Secretary, Andhra Pradesh mentioned that State welcomes ILR project as a whole but their request is not to disturb their allocation as per GWDT, Andhra Pradesh being a lower riparian State. He reiterated the issue of need of Chhattisgarh's consent for using its water for the proposed link project. He also mentioned that assurance is needed for apprehensions of farmers of Godavari Delta regarding water allocation to the area. He referred to Southern Zonal Council meeting held last year wherein, Chief Minister of Andhra Pradesh has clearly suggested to

consider alternative alignment of transferring water from foreshore of Polavaram project in place of Inchampalli to reduce costs for land acquisition. He also stressed that existing Nagarjunasagar and Somasila reservoirs may not cater to the needs of the link as proposed and requested to explore other alternative reservoirs for the same.

Chairman, TFILR clarified that the proposed link will not disturb GWDT awards of any State including that of Andhra Pradesh. Regarding alternative alignment from Polavaram project foreshore, he explained that alignment of ILR link projects is planned in such a way that water can reach to the water recipient basin areas of all the concerned states. In the proposed Godavari-Cauvery link project, proposed alignment from Inchampalli is planned so as to provide/accommodate water needs of Telangana, Andhra Pradesh, Tamil Nadu and Karnataka States.

Shri Thiru R. Subramanian, Chairman, Cauvery Technical Cell, WRD, Tamil Nadu raised the issue related to reduced allocation reaching Cauvery basin and also requested to consider surplus at 50% dependability for Godavari basin. He further requested to take the link canal to a higher contour up to Kattalai barrage instead of Grand Anicut so that there is no gap / delink between link canal terminating point of Phase-II.

Sh. Ramayya, Advisor, WRD, Govt. of Karnataka requested to increase their allocation of water from the proposed link project as Karnataka has large drought prone areas. He requested to de-link Bedti-Varda link from the present proposal and consider it exclusively as an Intra State link of Karnataka. He also suggested to evolve some principles of allocation of water in consultation with the concerned States and allocation shall be done as per agreement amongst States.

Thereafter, Sh. Navin Kumar, Member, WP & P, CWC apprised all the members that as per CWC studies, considering GWDT award and share of all party States, all the water is allocated and there is no surplus water left in Godavari River at 75% dependability. Only availability of water for the proposed link project is from unutilised water of Chhattisgarh State in Indravati basin.

Sh. A.D.Mohile mentioned that all States have put forth their views and concerns so there is a need to reconsider legal aspects while finalizing the proposal of this 4000 MCM water transfer. If Chhattisgarh provides water temporarily then no prudent

planning can be done for such temporary provisions by a State and if Chhattisgarh agrees not to use that water in future, then many other issues would crop up amongst beneficiary States for increasing their allocations as per GWDT. He opined that Tribunals awards and Interlinking of Rivers cannot be adopted simultaneously and unless legal reforms are taken, the proposed inter-basin water will face many bottlenecks.

Sh. M.Gopalakrishnan highlighted the fact that no tribunal has ever indicated that a perspective of national level cannot be formulated and so National Perspective Plan should be seen holistically by States. Especially southern basins would be beneficiaries after water from Himalayan rivers gets transferred to South. Concept of Interlinking of Rivers should be adopted in larger national interest and states should cooperate for its implementation.

After deliberations, it was decided in the meeting that NWDA can take up preparation of DPR of proposal of transfer of 4000 MCM by taking care of suggestions of party States to the extent possible and also prepare a Draft MoU and circulate it to party States for consideration.

#### 3.6 Item no. 17.6: System studies of Link projects

DG, NWDA briefed about status of progress of system studies work of 5 link projects. He stated that final outcomes of system studies of Mahanadi-Godavari link project carried out by NIH, Roorkee would be presented in next meeting of TFILR. Inception Reports of system studies of four more link projects viz; Manas-Sankosh-Tista-Ganga Link, Ganga-Damodar-Subernarekha Link, Subernarekha-Mahanadi Link and Farraka - Sunderban Link would be presented in TFILR meeting when they are submitted by four Institutes to NWDA in next month. He apprised that ultimate aim of system studies are to analyse different possible scenarios for fine-tuning the DPRs and also develop a forecast and Decision Support System for long distance water transfer optimally.

3.7 Item 17.7: National Interlinking of Rivers Authority (NIRA): DG, NWDA briefed about status of Cabinet Note for constitution of NIRA. Cabinet Note

after approval from Hon'ble Minister (Jal Shakti) has recently been submitted to Union Cabinet for consideration. He further, assured the members / States that even if NIRA would be constituted by Executive Order, the building/arriving consensus amongst party states for implementation of any link project would still be guiding principle.

Sh. M.Gopalkrishnan suggested to refer to a Geospatial study conducted by National Institute of Advanced Studies, Bangalore that would help to guide small alignment changes in link projects, whenever required.

Dr. Virendra M.Tiwari, NGRI, Hyderabad opined that Institutes conducting system studies should meet periodically and discuss and share their approach and work so as to obtain homogeneity in Final Reports.

3.8 Chairman, TFILR thanked all the members and special invitees for their ideas and assured all members that TFILR would consistently try to bring States on board to take ILR projects forward.

In the end, DG, NWDA thanked Chairman, TFILR for his vision and concerted efforts on interlinking of river programme the country. He thanked Govt. of Telangana for hosting the meeting and expressed his deep gratitude to all the members and special invitees for their valuable guidance and suggestions.

\*\*\*\*\*

#### Annexure-I

#### List of Participants

| SI.<br>No. | Name and Designation                                  | Mode of Joining |
|------------|---|-----------------|
|            | Members   |                 |
| 1.         | Sh. Sriram Vedire,                                    | Physical        |
|            | Advisor, MoJS, DoWR, RD&GR &                          |                 |
|            | Chairman, TFILR                                       |                 |
| 2.         | Sh. Navin Kumar,                                      | Online          |
|            | Member (WP&P),  |                 |
|            | Central Water Commission on behalf of                 |                 |
|            | Chairman, CWC   |                 |
| 3.         | Sh. A.D. Mohile,                                      | Physical        |
|            | Ex-Chariman, CWC                                      |                 |
| 4.         | Sh. M. Gopalakrishnan,                                | Physical        |
|            | Former Secretary General, ICID,                       |                 |
|            | Former Member D&R, CWC                                |                 |
| 5.         | Dr. Shobha (Vrushali) Waghmare                        | Online          |
|            | Maharashtra.  | 0 0             |
| 6.         | Prof. K. V. Raju,                                     | Online          |
|            | Theme Leader, Policy and Impact,                      |                 |
|            | Regional Program-Asia, ICRISAT                        |                 |
| 7.         | Sh. Ashwin Bhaskaran,                                 | Online          |
|            | Deputy Secretary (Nepal),                             |                 |
|            | Ministry of External Affairs, on behalf of            |                 |
|            | Joint Secretary (North), Ministry of External Affairs |                 |
| 8.         | Sh. Bhopal Singh,                                     | Physical        |
|            | Director General, NWDA &                              | A               |
|            | Member Secretary, TFILR                               |                 |
|            | Special Invitees of TFILR                             |                 |
| 9.         | Sh. Rajat Kumar, Special Chief Secretary,             | Physical        |
|            | Irrigation & CAD Dept., Govt. of Telangana            |                 |
|            |   |                 |
| 10.        | Sh. Shashi Bhushan Kumar,                             | Online          |
|            | Principal Secretary to Government, WRD, AP            |                 |
| 11.        | Sh. Rakesh Singh,                                     | Online          |
|            | Additional Chief Secretary,                           |                 |
|            | Water Resources Department, Govt. of Karnataka        |                 |
| 12.        |   | Physical        |
|            | Chairman, Cauvery Technical cell,                     |                 |
|            | on behalf of Additional Chief Secretary,              |                 |
|            | WRD, Govt. of Tamil Nadu                              |                 |

|       | Sh. M.S.Dabur, Engineer –in Chief, on behalf of<br>Principal Secretary/ Additional Chief Secretary,<br>WRD, Govt. of Madhya Pradesh | Online   |
|-------|---|----------|
| er we | Sh. Ravi Solanki, Chief Engineer, WRD, Govt. of Rajasthan, on behalf of Additional Chief Secretary, WRD, Govt. of Rajasthan         | Online   |
| - 1   | Sh. Shambhu Azad<br>Chief Executive Director, WAPCOS  | Physical |
|       | Officers from State Governments   |          |
| 16.   | Sh. Krishnamurthy B Kulkarni, Secretary, Water Resources Department, Govt. of Karnataka   | Online   |
| 17.   | Sh. Ramayya,<br>Advisor, WRD, Govt. of Karnataka  | Online   |
| 18.   | Sh. C. Muralidharan, Engineer-in-Chief (Gen), I & CAD, Dept. of Telangana   | Physical |
| 19.   | Sh. B. Hariram, Engineer-in-Chief, I & CAD, Govt of Telangana   | Physical |
| 20.   | Sh. Sridhar Rao Despande, OSD to Chief Minister, Govt. of Telangana.  | Physical |
| 21.   | Sh. Mohan Kumar,<br>Chief Engineer, ISWR, Govt. of Telangana  | Physical |
| 22.   | Sh. Rakesh Gupta,<br>Chief Engineer, WRD,<br>Rajasthan  | Online   |
| 23.   | Sh. G. P. Soni, Chief Engineer, Bodhi Pariyojna, Govt. of Madhya Pradesh  | Online   |
| 24.   | Sh. Koteswaran,<br>SE, ISWR, Govt. of Telangana.  | Physical |
| 25.   | Sh. Subrahmanya Prasad, DD (Inter State Water Resources), Govt. of Telangana  | Physical |
| 26.   | Dr. Virendra M. Tiwari,<br>Scientist, CSIR-NGRI, Hyderabad  | Physical |
| 27.   | Sh. O. P. S. Kushwah,<br>Consultant, Govt. of Madhya Pradesh  | Online   |
|       | Officers from NWDA  |          |
| 28.   | Sh. Baleshwar Thakur,<br>Chief Engineer (HQ),<br>New Delhi  | Online   |

| 29.              | Sh. Shiva Prakash,<br>Chief Engineer (North), | Online              |
|------------------|---|---------------------|
|                  | Lucknow                                       |                     |
| 30.              | Dr. R.N.Sankhua,                              | Physical            |
|                  | Chief Engineer(South),                        | .*.                 |
|                  | Hyderabad                                     |                     |
| 31.              | Sh. D.K.Sharma,                               | Online              |
| 39997.00         | Director (Technical),                         |                     |
|                  | New Delhi                                     |                     |
| 32.              | Sh. S.C. Awasthi,                             | Online              |
| 1-99-3-2-3-4-11. | Superintending Engineer (North),              |                     |
|                  | New Delhi                                     |                     |
| 33.              | Sh. S.R. Mahor,                               | Online              |
| 190900000        | Superintending Engineer (South),              | New Section Control |
|                  | New Delhi                                     |                     |
| 34.              | Sh. Rakesh Kumar Gupta,                       | Online              |
|                  | Superintending Engineer,                      |                     |
|                  | IC, Bhubaneswar                               |                     |
| 35.              | Ch. Y. Subrahmanyam,                          | Online              |
|                  | Superintending Engineer,                      |                     |
|                  | IC, Valsad                                    |                     |
| 36.              | Sh. R. Vinod Kumar,                           | Online              |
|                  | Executive Engineer (HQ),                      |                     |
|                  | New Delhi                                     |                     |
| 37.              | Sh. S.A. Naidu,                               | Physical            |
|                  | Deputy Director, O/o SE,IC,                   |                     |
|                  | NWDA, Hyderabad                               |                     |
| 38.              | Sh. P. Sreenivasulu,                          | Physical            |
|                  | Deputy Director, O/o CE(S),                   | 14                  |
|                  | Hyderabad                                     |                     |
| 39.              | Sh. N. P. Sahu,                               | Online              |
|                  | Executive Engineer,                           |                     |
|                  | ID, Gwalior                                   |                     |
| 40.              | Sh. S. Suresh Kumar,                          | Physical            |
|                  | I/C Executive Engineer, ID,                   | 0757                |
|                  | NWDA, Hyderabad                               |                     |
| 41.              | Smt. Deepika Sharma,                          | Online              |
|                  | Deputy Director (H),                          |                     |
|                  | New Delhi                                     |                     |
| 42.              | Sh. Krishnamurthy M P,                        | Online              |
|                  | Assistant Director,                           |                     |
|                  | New Delhi                                     |                     |
| 43.              | Sh. R. R. Headaoo,                            | Online              |
|                  | Assistant Executive Engineer,                 |                     |
|                  | ID - Gwalior                                  |                     |
| 44.              | Sh. Lalit Kumar Siyaniya,                     | Online              |

|     | Assistant Engineer,<br>New Delhi                            |        |
|-----|---|--------|
| 45. | Sh. Manoj Kumar Dhimmar<br>Assistant Engineer,<br>New Delhi | Online |
| 46. | Sh. Ankit Kumar,<br>Assistant Engineer,<br>New Delhi        | Online |
| 47. | Sh. Nikhil V J,<br>Junior Engineer,<br>New Delhi            | Online |
| 48. | Sh. Subodh Kumar<br>Junior Engineer,<br>New Delhi           | Online |