

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. †3047
ANSWERED ON 11.07.2019

INTER-LINKING OF RIVERS

†3047. SHRI PRATAPRAO JADHAV

Will the Minister of JAL SHAKTI be pleased to state:

- (a) the details of inter-linking of rivers projects presently undertaken in the country along with the present status in this regard;
- (b) the river-wise amount of funds spent on the said projects during the last three years;
- (c) whether the Government proposes to undertake more such inter-linking of rivers projects in the country, particularly of Wainganga river and Painganga river to resolve the problem of drought in Buldhana, Chandrapur, Yavatmal, Washim, Amravati, Akola and Wardha districts of the Vidharbha region in Maharashtra;
- (d) if so, the details thereof; and
- (e) the latest status of the said proposal?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI & SOCIAL JUSTICE AND EMPOWERMENT

(SHRI RATTAN LAL KATARIA)

(a) The National Perspective Plan (NPP) was prepared by the then Ministry of Irrigation (now Ministry of Jal Shakti) in August 1980 for water resources development through inter basin transfer of water, for transferring water from water surplus basins to water-deficit basins. Under the NPP, the National Water Development Agency (NWDA) has identified 30 links (16 under Peninsular Component and 14 under Himalayan Component) for preparation of Feasibility Reports (FRs). The details of above river linking projects viz., rivers, States concerned are given at **Annexure-I**.

Under the NPP, four priority links have also been identified for preparation of Detailed Project Reports (DPRs) under the Peninsular Rivers Component viz; Ken-Betwa link project (KBLP), Damanganga-Pinjal link project, Par-Tapi-Narmada link project and Godavari-Cauvery link project.

(b) An enabling allocation of Rs.100 lakhs for inter-linking of Rivers (ILR) programme has been made in the budget of each of the last three years. As the ILR projects are not at implementation stage, hence, no expenditure has been incurred on implementation of the ILR projects so far.

(c) to (e) NWDA has received 47 intra-state link projects from 9 States viz., Rajasthan, Tamil Nadu, Karnataka, Maharashtra, Odisha, Chhattisgarh, Gujarat, Jharkhand, Bihar. NWDA completed the Pre-Feasibility Reports (PFRs) of 37 intra-state link projects so far. The present status of the link projects is furnished in **Annexure-II**. Based on the request of States, DPRs of Kosi-Mechi link, Burhi Gandak-Noon-Baya-Ganga link of Bihar, Wainganga-Nalganga link of Maharashtra and Ponnaiyar-Palar link of Tamil Nadu have also been completed.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. †3047 TO BE ANSWERED IN LOK SABHA ON 11.07.2019 REGARDING “INTER-LINKING OF RIVERS”.

Names of Inter Basin Water Transfer Links, the States involved, name of rivers and status of Feasibility Reports/Detailed Project Report

| Sl. No | Name | Rivers | States concerned | Status of PFR/FR/DPR |
|-----------------------------|--|------------------------------|--|------------------------------|
| Peninsular Component | | | | |
| 1 | Mahanadi (Manibhadra) - Godavari (Dowlaiswaram) link | Mahanadi & Godavari | Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chattisgarh | FR Completed |
| 2 | Godavari (Inchampalli) - Krishna (Pulichintala) link | Godavari & Krishna | -do- | FR Completed |
| 3 | Godavari (Inchampalli) - Krishna (Nagarjunasagar) link | Godavari & Krishna | Odisha, Maharashtra, Madhya Pradesh, Andhra Pradesh, Karnataka & Chattisgarh, | FR Completed |
| 4 | Godavari (Polavaram) - Krishna (Vijayawada) link | Godavari & Krishna | Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chattisgarh | FR Completed |
| 5 | Krishna (Almatti) – Pennar link | Krishna & Pennar | -do- | FR Completed |
| 6 | Krishna (Srisailem) – Pennar link | Krishna & Pennar | -do- | FR Completed |
| 7 | Krishna (Nagarjunasagar) - Pennar (Somasila) link | Krishna & Pennar | Maharashtra, Andhra Pradesh & Karnataka, | FR Completed |
| 8 | Pennar (Somasila) - Cauvery (Grand Anicut) link | Pennar & Cauvery | Andhra Pradesh, Karnataka, Tamil Nadu, Kerala & Puducherry | FR Completed |
| 9 | Cauvery (Kattalai) - Vaigai -Gundar link | Cauvery, Vaigai & Gundar | Karnataka, Tamil Nadu, Kerala & Puducherry | FR Completed |
| 10 | Ken-Betwa link | Ken & Betwa | Uttar Pradesh & Madhya Pradesh | FR & DPR (Ph-I&II) Completed |
| 11 | Parbati -Kalisindh- Chambal link | Parbati, Kalisindh & Chambal | Madhya Pradesh, Rajasthan & Uttar Pradesh (UP requested to be consulted during consensus building) | FR Completed |
| 12 | Par-Tapi-Narmada link | Par, Tapi & Narmada | Maharashtra & Gujarat | FR & DPR Completed |
| 13 | Damanganga - Pinjal link | Damanganga & Pinjal | Maharashtra & Gujarat | FR & DPR Completed |
| 14 | Bedti - Varda link | Bedti & Varda | Maharashtra, Andhra Pradesh & Karnataka | PFR Completed |
| 15 | Netravati – Hemavati link | Netravati & Hemavati | Karnataka, Tamil Nadu & Kerala | PFR Completed |
| 16 | Pamba - Achankovil - Vaippar link | Pamba, Achankovil & Vaippar | Kerala & Tamil Nadu, | FR Completed |
| | | | | Contd... |

| Sl. No | Name | Rivers | States concerned | Status of PFR/FR/DPR |
|----------------------------|---|-------------------------------|---|---------------------------------------|
| Himalayan Component | | | | |
| 1. | Manas-Sankosh-Tista-Ganga (M-S-T-G) link | Manas-Sankosh-Tista-Ganga | Assam, West Bengal, Bihar & Bhutan | PFR completed |
| 2. | Kosi-Ghaghra link | Kosi & Ghaghra | Bihar, Uttar Pradesh & Nepal | PFR completed |
| 3. | Gandak-Ganga link | Gandak & Ganga | -do- | Draft FR completed (Indian portion) |
| 4. | Ghaghra-Yamuna link | Ghaghra & Yamuna | -do- | FR completed (Indian portion) |
| 5. | Sarda-Yamuna link | Sarda & Yamuna | Bihar, Uttar Pradesh, Haryana, Rajasthan, Uttarakhand & Nepal | FR completed (Indian portion) |
| 6. | Yamuna-Rajasthan link | Yamuna & Sukri | Uttar Pradesh, Gujarat, Haryana & Rajasthan | Draft FR completed |
| 7. | Rajasthan-Sabarmati link | Sabarmati | -do- | Draft FR completed |
| 8. | Chunar-Sone Barrage link | Ganga & Sone | Bihar & Uttar Pradesh | Draft FR completed |
| 9. | Sone Dam – Southern Tributaries of Ganga link | Sone & Badua | Bihar & Jharkhand | PFR completed |
| 10. | Ganga(Farakka)-Damodar-Subernarekha link | Ganga, Damodar & Subernarekha | West Bengal, Odisha & Jharkhand | Draft FR completed |
| 11. | Subernarekha-Mahanadi link | Subernarekha & Mahanadi | West Bengal & Odisha | Draft FR Completed |
| 12. | Kosi-Mechi link | Kosi & Mechi | Bihar, West Bengal & Nepal | PFR completed Entirely lies in Nepal |
| 13. | Ganga (Farakka)-Sunderbans link | Ganga & Ichhamati | West Bengal | Draft FR completed |
| 14. | Jogighopa-Tista-Farakka link (Alternative to M-S-T-G) | Manas, Tista & Ganga | -do- | (Alternative to M-S-T-G Link) dropped |

- PFR- Pre Feasibility Report
- FR- Feasibility Report
- DPR- Detailed Project Report

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (c) to (e) OF UNSTARRED QUESTION NO. †3047 TO BE ANSWERED IN LOK SABHA ON 11.07.2019 REGARDING “INTER-LINKING OF RIVERS”.

Intra – State link proposals received from the State Governments and present status of PFR/DPR

| Sl. No. | Name of intra-state link | Rivers | Present status of PFR/DPR |
|--------------------|--|----------------------------------|--|
| Maharashtra | | | |
| 1. | Wainganga (Goshikurd) – Nalganga (Purna Tapi) | Wainganga & Nalganga | DPR Completed |
| 2. | Wainganga – Manjra Valley | Wainganga & Manjra | PFR completed (Not found feasible) |
| 3. | Upper Krishna – Bhima (system of Six links) | Krishna & Bhima | PFR completed |
| 4. | Damanganga (Ekdare)- Godavari Valley | Damanganga & Godavari | PFR completed |
| 5.(i) | Upper Vaitarna-Godavari valley | Vaitarna&Godavari | PFR completed. |
| 5(ii) | Damanganga-Vaitarna-Godavari (Kadva Dev) Valley | Damanganga, Vaitarna & Godavari | PFR completed |
| 6. | North Konkan – Godavari Valley | Patalganga & Godavari | PFR completed (Not found feasible) |
| 7. | Koyna – Mumbai city | Koyna | PFR completed |
| 8. | Sriram Sagar Project (Godavari) – Purna – Manjira | Godavari, Purna & Manjira | PFR completed |
| 9. | Wainganga (Goshikurd) – Godavari (SRSP) | Wainganga & Godavari | Withdrawn by Govt. of Maharashtra |
| 10. | Middle Konkan – Bhima Valley | Savitri, Kundalika, Amba & Bhima | PFR completed (Not found feasible) |
| 11. | Koyna – Nira | Koyna & Nira | PFR completed |
| 12. | Mulsi – Bhima | Mulsi & Bhima | PFR completed |
| 13. | Savithri – Bhima | Savithri & Bhima | PFR completed |
| 14. | Kolhapur – Sangli – Sangola | Krishan & Bhima | PFR completed |
| 15. | Riverlinking projects of Tapi basin and Jalgaon District | Tapi | PFR completed |
| 16. | Nar – Par - Girna valley | Nar, Par & Girna | PFR completed (Not found feasible) |
| 17. | Narmada – Tapi | Narmada & Tapi | PFR completed |
| 18. | Khariagutta – Navatha Satpura foot hills | Dropped | Ground water recharge schemes to be studied by CGWB. Consequently not accepted by TAC of NWDA for PFR studies. |
| 19. | Kharia Ghuti Ghat – Tapi | Dropped | |
| 20. | Jigaon – Tapi – Godavari Valley | Tapi & Godavari | PFR completed (Not found feasible) |
| Gujarat | | | |
| 21. | Damanganga – Sabarmati – Chorwad | Damanganga, Sabarmati & Chorwad | PFR completed |
| Odisha | | | |
| 22. | Mahanadi – Brahmani | Mahanadi & Brahmani | PFR completed (Not found feasible) |
| 23. | Mahanadi – Rushikulya (Barmul Project) | Mahanadi & Rushikulya | PFR completed |
| 24. | Vamsadhara – Rushikulya (Nandini Nalla project) | Vamsadhara & Rushikulya | PFR completed |
| Jharkhand | | | |
| 25. | South Koel – Subernarekha | South Koel & Subernarekha | PFR completed. |
| 26. | Sankh – South Koel | Sankh & South Koel | PFR completed. |

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| 27. | Barakar – Damodar – Subernarekha | Barakar, Damodar & Subernarekha | PFR completed. |
| | Bihar | | |
| 28. | Kosi – Mechi [entirely lie in India] | Kosi & Mechi | DPR completed. Techno-economic clearance given by Advisory Committee of MoWR, RD & GR. |
| S. No. | Name of intra-state link | Rivers | Present status of PFR/DPR |
| 29. | Barh – Nawada | Ganga & Kiul | PFR completed (Not found feasible) |
| 30. | Kohra – Chandravat (now Kohra-Lalbegi) | Kohra & Chandravat | PFR completed (Not found feasible) |
| 31. | Burhi Gandak – None – Baya - Ganga | Burhi Gandak, None, Baya & Ganga | DPR completed. CWC has recommended the link scheme to be taken up as flood moderation scheme |
| 32. | Burhi Gandak – Bagmati [Belwadhar] | Burhi Gandak & Bagmati | PFR completed (Not found feasible) |
| 33. | Kosi – Ganga | Kosi & Ganga | PFR completed |
| 34. | Development of Bagmati Irrigation & Drainage Project-Phase-II (Barrage near Kataunjha in Muzaffarpur District) and Adhwara Multipurpose Project with Kosi-Adhwara-Bagmati Link | Kosi, Adhwara & Bagmati | PFR completed (Not found feasible) |
| 35 | Transfer of Ganga water to South Bihar through pump Canal Scheme at Buxer | Ganga | Initially, NWDA consented to take up the work but after receiving the details from Govt. of Bihar, it was found that these are not intra-state links therefore not taken up. |
| 36 | Development of Badua-Chandan Basin | Badua & Chandan | |
| 37. | Sone-Falgu link | Sone & Falgu | Preliminary Study has been taken up |
| | Rajasthan | | |
| 38. | Mahi – Luni link | Mahi & Luni | PFR completed (Not found feasible) |
| 39. | Wakal – Sabarmati – Sei – West Banas – Kameri link | Wakal, Sabarmati, Sei, West Banas & Kameri | PFR completed (Not found feasible) |
| | Tamil Nadu | | |
| 40. | Ponnaiyar – Palar link | Ponnaiyar & Palar | PFR & DPR completed |
| | Karnataka | | |
| 41 | Almatti (Bagalkot)-Malaprabha Sub-basin | Almatti & Malaprabha | Prima Facie Not found feasible |
| 42 | Malaprabha-Tungabhadra Sub-basin | Malaprabha & Tungabhadra | Prima Facie Not found feasible |
| 43 | Bedti - Dharma - Varada link | Bedti, Dharma & Varada | PFR completed |
| 44 | Bhadra-Vedavathi(Vani Vilasa Sagar) link | Bhadra & Vedavathi | Government of Karnataka withdrew the proposal during 11th meeting of Special Committee for ILR. |
| 45 | Diversion of west flowing rivers schemes(Barapole-Upper Cauvery link) | Barapole & upper cauvery | |
| 46 | Diversion from Bedti & Aghanashini to Varada | Aghanashini & Varada | PFR completed. |
| | Chhattisgarh | | |
| 47 | Paury-Mahanadi link | Paury & Mahanadi | PFR completed |
