

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF DRINKING WATER AND SANITATION

RAJYA SABHA
UNSTARRED QUESTION NO. 103
TO BE ANSWERED ON 18.07.2022

COLLABORATION WITH PRIVATE SECTOR FOR SUPPLY OF DRINKING WATER

103 DR. ASHOK KUMAR MITTAL:

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether Government has proposed to collaborate with the private sector to improve the quality of drinking water;
- (b) the number of dam projects currently being considered by Government to be built in future and details for the same, State-wise;
- (c) the number of dams and other water reservoir projects under the ambit of Government and details for the same, State-wise; and
- (d) the status of all the river cleaning initiatives under Government particularly in Punjab?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI
(SHRI PRAHLAD SINGH PATEL)

- (a) As per JJM guidelines, all States/ UTs have been advised to review and strengthen the existing network of drinking water quality testing laboratories in the State by setting up/ exploring Public-Private Partnership for additional labs at regional level, district level and block/ sub-division level in the State. A Technical Committee under the chairmanship of Principal Scientific Advisor (PSA) to Government of India has been set up to examine and recommend various innovations and water related technologies received from govt./ autonomous/ private entities, which can be used in providing potable tap water supply to every household.
- (b) As reported by Central Water Commission (CWC), Department of Water Resources, River Development and Ganga Rejuvenation (DoWR, RD & GR), the list of major, medium irrigation & multipurpose projects which are currently under appraisal in CWC is **Annexed**.
- (c) Central Water Commission (CWC) compiles and maintains nation-wide register of large dams i.e. National Register of Large Dams (NRLD), as per information provided by dam owners. Details can be accessed through the link:

<http://cwc.gov.in/sites/default/files/nrld06042019.pdf>

(d) As reported by National River Conservation Directorate (NRCD), DoWR, RD & GR, river cleaning is a continuous process. It is the responsibility of the States/UTs and local bodies to ensure required treatment of sewage and industrial effluents to the prescribed norms before discharging into water bodies or land to prevent and control of pollution therein. The D/oWR, RD & GR supplements the efforts of the States/UTs by providing financial/technical assistance for abatement of pollution in identified stretches of rivers/tributaries in the country through the Centrally Sponsored Scheme of National River Conservation Plan (NRCP) for rivers excluding Ganga and its tributaries.

Under NRCP, pollution abatement projects for conservation of Satluj and Beas rivers have been implemented in 14 towns of Punjab namely Banga, Bholath, Dasuya, Hoshiarpur, Jalandhar, Kapurthala, Ludhiana, Moga, Mukerian, Nawanshehar, Phagwara, Phillaur, Sultanpur Lodhi and Tanda at a total cost of Rs.717.32 crores. These projects included setting up 22 STPs of total capacity 648.20 million litres per day for treatment of municipal sewage along with other components such as low-cost sanitation, I&D, crematoria, afforestation, public participation, etc.

Also, pollution abatement works for river Ghaggar in Punjab were sanctioned for 4 towns namely Khanauri, Moonak, Patran and Lehragaga at a total cost of Rs.57.10 crores for setting up of 4 STPs of 15 MLD capacity for treatment of municipal sewage.

Annex**Annex referred in the reply to Rajya Sabha Unstarred Question No. 103 due for reply on 18.07.2022**

List of major, medium irrigation & multipurpose projects which are currently under appraisal in Central Water Commission (CWC)

Table1: List of Major & Multipurpose Projects under Appraisal in CWC						
No.	Title of Project	Project Type	State	Basin/ River	Estimated Cost (in Crore Rs.)	Dam /Barrage
1	Nabarangpur Irrigation Project	Major	Odisha	Godavari/ Indravati	278.99	Diversion from existing reservoir.
2	Middle Kolab Multipurpose Project	Multipurpose	Odisha	Godavari/ Kolab, Kerajodi Nallah	Rs. 1649.12	Barrage
3	Par-Tapi Narmada Link Project	Major/ Interlinking	Gujarat/ Maharashtra	Narmada/Par, Auranga, Ambika, Purna	Rs. 9294.75	Dam & Lift
4	Gang Canal Automation Project	Major	Rajasthan	Indus / Beas	1,153.54	Barrage
5	Kalisindh Major Multipurpose Irrigation Project Phase-II	Multipurpose	Rajasthan	Chambal/ Kalisindh	1,301	Dam & Lift
6	Eastern Rajasthan Canal Project	Major	Rajasthan	Ganga/ Chambal and its tributaries	37,247.12	Dam, Barrage & Lift
7	Revised DPR for transfer of Rajasthan share of Yamuna Water at Tajewala Headworks to Churu and Jhunjhunu districts of Rajasthan by underground conveyance system and its utilization.	Major	Rajasthan	Ganga/ Yamuna	31,366.86	Barrage & Lift

8	Sonai Irrigation Project	Major	Assam	Sonai/Barak	805.44	Barrage
9	Rukni Irrigation Project	Major	Assam	Rukni / Barak	891.2	Barrage
10	Phina Singh Multipurpose Project	Multipurpose	Himachal Pradesh	Beas	614.31	Dam
11	Tupakulagudem Barrage renamed as Sammkka Sagar Project.	Major	Telangana	Godavari	9,037	Lift & Barrage
12	Rayalaseema Lift Irrigation Scheme to suppliment 3 TMC per day from Sangameshwaram to SRMC on d/s of Pothireddypadu Head Regulator	Major	Andra Pradesh	Godavari	Rs. 3,825	Lift
13	Kaleshwaram Project	Multipurpose	Telangana	Godavari	1,07,202.46	Barrage

Table-2: List of Medium Projects under Appraisal in CWC

No.	Title of Project	State	Basin/ River	Estimated Cost (in Crore)	Dam/Barrage
1	Attapady Irrigation Project	Kerala	Cauvery/ Bhavani	497	Dam
2	Channaka Korata (Rudha) Barrage	Telengana	Godavari	428	Barrage
3	Modikuntavagu	Telengana	Godavari	700.2	Dam
4	Modikunta Vagu Irrigation Project (Modikunta Vagu)	Telengana	Godavari	700.2	Dam
5	Chindrinala Irrigation Project	Odisha	Chindrinala /Brahmani	Feasibility Report, Cost N. A	Dam
6	Mankada irrigation Project	Odisha	Mankada Nallah/ Brahmani	07-08-1901	Dam
7	Lohgarh Dam	Haryana	Somb-Pathrala Nadi/ Yamuna River Basin	63.40 (tentative)	Dam
8	Dhanaura Dam	Haryana	Somb-Pathrala Nadi/ Yamuna River Basin	87.15 (tentative)	Dam
9	Dudhgarh Dam	Haryana	Tangri / Ghaggar River Basin	47.00 (tentative)	Dam
10	Khetpurali Dam	Haryana	Tangri / Ghaggar River Basin	43.90 ((tentative)	Dam
11	Gagrin Medium Irrigation project Tehsil Pirawa District jhalawar	Rajasthan	Chambal Ahoo	331.35	Dam
12	Takli Medium Irrigation Project	Rajasthan	Takli/Kalisindh/Chambal /Yamuna/Ganga	380.66	Dam
13	Gararda Medium Irrigation Project	Rajasthan	Mangali/Chambal/Yamuna/Ganga	430	Dam
14	ERM of Sawan Bhadon Medium Irrigation project	Rajasthan	Chambal /Kalisindh	46.53	Dam

Table-3: List of Drinking water Projects under Appraisal/PFR

No.	Title of Project	State	Basin/ River	District Benefitted	Estimated Cost (in Crore Rs.)	Dam/Barrage
1	Mekedatu balancing reservoir cum drinking water project.	Karnataka	Cauvery	Bangalore Metropolitan Region	9000	Dam
2	Kalasa Nala Diversion Scheme	Karnataka	Mahadeyi	Hubli – Dharwad and Kundagol town including enroute villages. Hubli	885.80	Dam
3	Bhandura Nala Diversion Scheme	Karnataka	Mahadeyi	Hubli Dharwad, Kundgol town including and en route villages in Belgaum, Dharwad & Gadag Districts.	791.50	Dam
4	Diversion of Surplus water of Sabarmati basin for filling of Jawai Dam (PFR)	Rajasthan	Sabarmati/ Wakal, Pameri, Sabarmati, Sei	Pali & Sirohi	6,521.84	Dam & Lift
5	Khairna Barrage Drinking Water Project (DPR)	Uttarakhand	Kosi River	Nainital, Ranikhet and their adjoining areas	NA	Barrage

Table 4: List of National Projects					
Sl. No	Name of the Project	State	Benefits: 1) Irrigation Potential (ha.) 2) Power (MW) 3) Storage (MCM)	Latest Estimated Cost (Rs in Cr)	Irrigation Potential Envisaged (Lakh Ha)
National Projects under Implementation/execution					
1	Gosikhurd Irrigation Project	Maharashtra	1) 2.50 lakh 2) 26.5 MW 3) 1147.14 MCM (Gross) (Dam)	18,494.57	2.31 (NP comp)
2	Saryu Nahar Pariyojana	Uttar Pradesh	1) 14.04(NP Component:4.73) 2) – 3) Barrage	9,802.67	4.73 (NP comp)
3	Polavaram Irrigation Project	Andhra Pradesh	1) 4.36 lakh 2) 960 MW 3) 5511 MCM (Gross) (Dam)	55,548.87	4.36 (NP comp)
4	Shahpurkandi Dam Project	Punjab	1) 0.37 lakh 2) 206 MW 3) 120.71 MCM (Gross) (Dam)	2,715.7	0.37 (NP comp)
5	Teesta Barrage Project	West Bengal	1) 9.23 lakh (NP component: 5.27 lakh) 2) 1000 MW 3) Barrage	2,988.61	5.27 (NP comp)
6	Lakhwar multipurpose project	Uttarakhand	1) 0.3378 lakh 2) 300 MW 3) 587.84 MCM (Gross) / 39.415 MCM (Drinking)/39.415 MCM (Industrial) (Dam)	5,747.17	0.338
7	Renukaji Dam project	Himachal Pradesh	1) Drinking water 2) 40 MW 3) 498 MCM Drinking (Live) (Dam)	6946.99	NIL (only drinking water component)

8	Ken-Betwa Link Project	Madhya & Uttar Pradesh	1) 9.08 lakh (CCA) 2) 130 MW 3) 3495 MCM (Live) (Dam)	Ph-I = 18057.08 Ph-II = 6720.13	9.04
Details of National Projects accepted by Advisory Committee of DoWR, RD & GR:					
9	Ujh Multipurpose Project	Jammu & Kashmir	1) 0.77 lakh 2) 196 MW 3) 925 MCM (Gross) / 20 MCM (Drinking)/20 MCM (Industrial) (Dam)	11907.77	0.769
Details of Projects under Appraisal:					
10	Kulsi Dam Project /	Assam	1) 0.395 lakh (GIA) 2) 55 MW 3) 525.64 MCM (Gross) (Dam)	Unit-I = 1073.05 Unit-II = 290.12 E&M Cost = 91.78	0.395 (GIA) 0.260 (GCA) 0.205 (CCA)
11	Noa Dihing Dam Project	Arunachal Pradesh	1) 0.036 Lakh (CCA) 2) 72 MW 3) 322.00 MCM (Gross) (Dam)	1291.93	0.0695 (GIA) 0.0515 (GCA) 0.0360 (CCA)
12	Bursar HE Project	Jammu & Kashmir	1) 1.74 lakh (Indirect) 2) 800 MW 3) 616.74 MCM (Gross) (Dam)	16839.9	1.74
Details of Projects under DPR / PFR stage:					
13	Kishau multipurpose project	Himachal Pradesh & Uttarakhand	1) 0.97 lakh ha 2) 660 MW 3) 1824 MCM (Gross)/ 617 MCM	7193.23	0.97
14	Gyspa HE Project	Himachal Pradesh	1) 0.50 lakh ha 2) 300 MW 3) 912.78 MCM (Live) (Dam)	-	0.50

15	2nd Ravi Beas Link Project	Punjab	Harness water flowing 0.58 MAF across border (about 719.30 MCM in non- monsoon period) (Barrage)	-	NIL (Harness water flowing 0.58 MAF across border (about 719.30 MCM in non- monsoon period). IP is yet to be finalized
16	Upper Siang Project	Arunachal Pradesh	1) Indirect 2) 9750 MW 3) 9.2 BCM (Live) 4) Flood moderation (Dam)	-	Indirect Irrigation

MCM: Million Cubic Meter

BCM: Billion Cubic Meter

MW: Mega Watt

NP Comp: National Project Component

CCA: Cultivable Command Area

MAF: Million Acre Feet

GIA: Gross Irrigation Area

GCA: Gross Command Area