

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI,  
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1685**  
ANSWERED ON 29.07.2021

**WATER RESOURCES SCHEMES IN WEST BENGAL AND KARNATAKA**

1685. SHRI SUNIL KUMAR MONDAL  
SHRI SANGANNA AMARAPPA

Will the Minister of JAL SHAKTI be pleased to state:

- (a) the details of the various water resources schemes launched in various States including West Bengal and Karnataka during the last three years;
- (b) whether the Government proposes new scheme in future, if so, the details thereof, State/UT-wise;
- (c) whether any proposal is pending with the Government in this regard and if so, the details thereof; and
- (d) the details of the funds sanctioned for the water resources department in the budgetary allocation 2020 and the percentage of funds released/extended to West Bengal till date?

**ANSWER**

MINISTER OF STATE FOR JAL SHAKTI & FOOD PROCESSING INDUSTRIES

(SHRI PRAHLAD SINGH PATEL)

(a) & (b) Water resources projects are planned, funded, executed and maintained by the State Governments themselves as per their own resources and priorities. Role of Government of India is limited to being catalytic, providing technical support and, in some cases partial financial assistance in terms with the existing schemes being implemented by the Ministry of Jal Shakti.

Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) was launched during 2015-16 by the Central Government with an overarching vision to ensure access to some means of protective irrigation for all agricultural farms in the country, and to produce 'per drop more crop', thus bringing much desired rural prosperity. PMKSY is having following components, Accelerated Irrigation Benefits Programme (AIBP), Har Khet Ko Pani (HKKP)-Command Area Development & Water Management (CADWM), Surface Minor Irrigation (SMI) / Repair, Renovation & Restoration (RRR) of Water Bodies and Ground Water Irrigation in this Department.

During 2016-17, ninety-nine (99) on-going major/medium irrigation projects (and 7 phases), in the country under PMKSY have been prioritised in consultation with States for completion in phases. Funding mechanism has been approved by the Government for providing Central and State Share under Long Term Irrigation Fund (LTIF) through NABARD. The State-wise details of these 99 prioritized projects (including phases) under PMKSY is given at **Annexure-I**.

Out of these 99 prioritized projects of PMKSY, at present there is no project included from the State of West Bengal. Five projects are of Karnataka, namely Upper Tunga Irrigation Project, Shri Rameshwara Irrigation, Bhima LIS, Karanja and NLBC Projects. AIBP works of three of them namely Shri Rameswar Irrigation, Bhima LIS and Karanja projects have been reported to be completed whereas two projects namely Upper Tunga and NLBC System project are ongoing. During 2016-17 to 2020-21, under AIBP, Central Assistance of Rs.1186.62 crore has been released for these projects of Karnataka and an additional irrigation potential of 1.16 lakh hectare has been reported to be created by these projects in Karnataka. Under the ongoing Command Area Development & Water Management Program (CADWM), the targeted Culturable Command Area (CCA) of these five projects is 84.00 Thousand Hectare at an estimated cost of Rs. 1016 crore with targeted Central Assistance of Rs 175 crore. Central Assistance amounting to Rs. 75.28 crore has been released to the Karnataka State till June 2021, and State has reported a CCA Progress of 34.7 Thousand Hectare.

PMKSY-HKGP-Ground Water Irrigation (PMKSY-HKGP-GW) scheme aims to provide financial assistance to States for assured ground water irrigation to small and marginal farmers. Scheme is applicable only in areas having stage of ground water development less than 60%, average rainfall more than 750 mm rainfall and with shallow ground water levels (less than 15 m bgl). Under this scheme, so far 15 projects in 12 States including West Bengal have been approved since 2019. No scheme has been approved in respect of Karnataka. The State-wise details of PMKSY-HKGP-GW projects are given at **Annexure-II**.

Under the Flood Management and Border Areas Programme (FMBAP) scheme, financial assistance was being provided to State Governments for taking up critical works related to river management, flood control, anti-erosion, drainage development, anti-sea erosion, flood proofing etc. in critical regions and restoration of damaged flood control/ management works. The scheme had a provision only for clearing the committed liabilities of ongoing and completed projects as per extant XI/ XII Plan guidelines and no new project to be included under FM component of FMBAP Scheme till then. The details central assistance released to State of West Bengal under Flood Management Programme (FMP) and River Management Activities & Works related to Border Areas (RMBA) components of FMBAP for period 2016-17 to 2020-21 are given at **Annexure-III**.

Government of India has approved a State Sector Scheme "Dam Rehabilitation & Improvement Project (DRIP) Phase-II & III" with Central Component. States/UTs-wise and agency-wise proposed number of Dams along with their estimated cost under DRIP Phase-II & Phase-III is given at **Annexure-IV**.

(c) & (d) Central Water Commission (CWC) is examining 24 nos. of project proposals received from various States including Karnataka and West Bengal. The details of these projects, under appraisal in CWC are given at **Annexure-V**. The Budget allocation and expenditure is done scheme-wise and not State-wise. Total Budgetary allocation under various schemes of Department of Water Resources, River Development & Ganga Rejuvenation for the year 2020-21 was Rs.8092.52 crore at BE stage which was reduced to 6458.25 crore at RE stage and for the year 2021-22 (BE), Rs.8144.51 crore has been allocated.

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The State-wise details of these 99 prioritized projects (including phases) under PMKSY

Sl. No.	Project Name	River / River Basin/Sub Basin	District Benefitted
<b>ANDHRA PRADESH</b>			
1	Gundlakamma	Gundlakamma	Prakasham
2	Tadipudi LIS	Godavari	W.Godavari
3	Thotapally	Nagavali	Srikakulam, Vijayanagram
4	Tarakaram Teerta Sagaram	Champavathi	Vizayanagram
5	Musurumilli	Godavari	E.Godavari
6	Pushkara LIS	Godavari	E.Godavari
7	Yerracalva	Yerracalva / Godavari	W.Godavari
8	Maddigedda	Maddigedda / Godavari	E.Godavari
<b>ASSAM</b>			
1	Dhansiri	Dhansiri	Udalguri
2	Champamati	Champamati	Kokrajhar, Chirang and Bongaigaon
3	Borolia	Borolia	Nalbari
<b>BIHAR</b>			
1	Durgawati	Durgawati	Rohtas, Bhabua
2	Punpun	Punpun	Patna, Arawal, Jahanabad
<b>CHHATTISGARH</b>			
1	Maniyari Tank	Maniyari /Shivnath / Mahanadi	Bilaspur
2	Kelo	Mahanadi / Kelo	Raigarh, Jangir, Champa
3	Kharung	Kharung /Hasdeo / Mahanadi	Bilaspur
<b>GOA</b>			
1	Tillari	West flowing / Tillari	North Goa
<b>GUJRAT</b>			
1	Sardar Sarovar	Naramada / Sukhi	17 districts (Narmada, Vadodra, Bharuch, Chhota- Udepur, Panchmahel, Ahmedabad, Gandhinagar, Kheda, Anand, Mehsana, Surendranagar, Morbi, Botad, Bhavnagar, Kachchh, Banskantha and Patan)
<b>JAMMU &amp; KASHMIR</b>			
1	Tral Lift	Indus / Jhelam	Pulwama
2	Prakachik Khows Canal Project	Suru	Kargil
3	Restoration & Mod. of Main Ravi Canal	Ravi	Jammu, Sambha, Kathua
4	Rajpora Lift	Indus/ Jhelam	Pulwama
<b>JHARKHAND</b>			
1	Subernarekha Multipurpose	Subernarekha	West singhbhum & East singhbhum, Saraikela Kharsawan

KARNATAKA			
1	Upper Tunga Irrigation Project	Tunga/Krishna	Shivmoga, Haveri, Devnagari
2	Shri Rameswara Irrigation	/Krishna	Belgam
3	Karanja	Manjeera / Godavari	Bidar
4	Bhima LIS	Krishna	Gulbarga
5	NLBC System Project (New)	/Krishna	Gulbarga/Yadgir/Bijapur
KERALA			
1	Karapuzha	Kabani / Panamaram	Wayanand
2	Muvattupuzha	Thodupuzha / Muvattupuzha	Idukki, Ernakulam & Kottayam
MADHYA PRADESH			
1	Sindh Project Phase II	Ganga	Shivpuri, Gwalior, Datia, Bhind
2	Indira Sagar Project Canal Phase - I & II (km. 0 to km. 142)	Narmada	Khandwa, Khargaon
3	Indira Sagar Project Canal Phase - III (km. 143 to km. 206)	Narmada	Badwani
4	Omkareshwar Project Canal Phase-IV (OSP lift)	Narmada	Khandwa,Khargone and Dhar
5	Bargi Diversion Project Phase - I	Narmada	Jabalpur, Satna, Rewa
6	Mahi Project	Mahi	Dhar, Jhabua
7	Barriyarpur LBC	Ganga / Kan	Chhatarpur
8	Bansagar Unit 2	Ganga / Sone	Rewa, Satna, Sidhi, Shahdol
9	Mahan Project	Ganga / Mahan	Sidhi
10	Pench Project	Godavari / Pench	Seoni, Chindwara
11	Sagad Project	Sagar / Betwa / Yamuna	Vidisha
12	Singhpur Project	urimil / Ken / Yamuna	Chhatarpur
13	Sanjay sagar (Bah) Project	Bah / Betwa /Yamuna	Vidisha
14	Mahuar Project	Mahuar	Shivpuri
15	Indira Sagar Project Canal Phase - IV (km. 206 to km. 243)	Narmada	Barwani
16	Indira Sagar Project Canal Phase - V (Khargone Lift )	Narmada	Khandwa, Khargaon Barwani
17	Omkareshwar Project Canal Phase-II (RBC km. 9.70 to km 65.50)	Narmada	Khandwa, Khargaon, Dhar
18	Omkareshwar Project Canal Phase-III (RBC km. 65.50 to km 142)	Narmada	Dhar
19	Bargi Diversion Project Phase - II (km. 63 to km 104)	Narmada	Jabalpur, Satna, Rewa

20	Bargi Diversion Project Phase - III (km. 104 to km 154)	Narmada	Jabalpur, Satna, Rewa
21	Bargi Diversion Project Phase - IV (km. 154 to km 197)	Narmada	Jabalpur, Satna, Rewa, Katni
<b>MAHARASHTRA</b>			
1	Waghur	Tapi / Waghur	Jalgaon
2	Bawanthadi (IS)	Godavari / Wainganga	Bhandara
3	Lower Dudhna	Godavari	Parbhani, Jalna
4	Tillari (IS)	West Flowing	Sindhudurg
5	Lower Wardha	Godavari / Wardha	Wardha
6	Lower Panzara	Tapi / Panzara	Dhule
7	Nandur Madhmeshwar Ph-II	Godavari / Darna	Aurangabad
8	Gosikhurd (NP)	Godavari / Wainganga	Nagpur, Bhandara Chandrapur
9	Upper Pen Ganga	Godavari	Yavatmal, Parbhani, Nanded
10	Bembla	Bembla / Godavari	Yavatmal
11	Tarali	Tarali / Krishna	Satara
12	Dhom Balaakwadi	Krishna	Pune / Satara
13	Arjuna	Arjuna / Kodavali	Ratnagiri
14	Upper Kundalika	Godavari/Kundalika	Beed
15	Aruna	Aruna	Sindhudurg
16	Krishna Koyana Lift	Krishna	Solapur, Sangli
17	Gadnadi	Gad / Shastri	Ratnagiri
18	Dongargaon	Godavari	Chandrapur
19	Sangola Branch Canal	Yelwaladi / Nira	Solapur,
20	Khadakpurna	Khadakpurna / Godavari	Buldhana
21	Warna	Krishna	Kolhapur, Sangli
22	Morna (Gureghar)	Morna / Koyna	Satara
23	Lower Pedhi	Tapi/Purna/Pedhi	Amravati, Akola
24	Wang project	Krishna/Wang	Satara
25	Naradave (Mahammadwadi)	Gad	Sindhudurg
26	Kudali	Krishna / Kudali / Hatgeghar	Satara
<b>MANIPUR</b>			
1	Thoubal	Thoubal	Imphal East, Senapati, Thoubal, Ukhrul
2	Dolaithabi Barrage	Irli	Imphal & Senapati
<b>ODISHA</b>			
1	Lower Indra(KBK)	Indra / Mahanadi	Noapada
2	Upper Indravati Extn (KBK)	Indravathi / Indravathi	Kalahandi
3	Rukura-Tribal	Bolani / Brahmani	Sundargarh
4	Subernarekha	Subernarekha / Subernarekha	Mayurbhanj, Balasore

5	Anandpur Barr. Ph.-I / Integrated Anandpur Barr.	Salandi / Baitarani	Keonjhar, Bhadrak
6	RET irrigation	Ret / Mahanadi	Kalahandi
7	Kanupur	Baitarni / Baitarni	Keonjhar
8	Telengiri	Telengiri / Indravathi	Koraput
<b>PUNJAB</b>			
1	Kandi Canal Extension (Ph.II)	Indus	Hoshiarpur, Jalandhar & Kapurthala
2	Rehabilitation of Ist Patiala Feeder and Kotla Branch Project	Indus	Patiala
<b>RAJASTHAN</b>			
1	Narmada Canal	Narmada	Jalore & Barmer
2	Mod. of Gang Canal	Indus	Sriganganagar
<b>TELANGANA</b>			
1	J. Chokha Rao LIS	Godavari	Warangal, Nalgonda, Krimnagar, Medak
2	Sri Komaram Bheem project	Godavari	Adilabad
3	Gollavagu Project	Godavari	Adilabad
4	Rallivagu project	Godavari	Adilabad
5	Mathadivagu Project	Godavari	Adilabad
6	Peddavagu @ Neelwai project	Godavari	Adilabad
7	Palemvagu project	Godavari	Khammam
8	Peddavagu @ Jagannathpur	Godavari	Nellore
9	SRSP St.II	Godavari	Warangal, Nalgonda, Khammam, Adilabad
10	Rajiv Bheema L.I. Scheme	Krishna / Krishna	Mahaboobnagar
11	Indiramma Flood Flow Canal	Godavari	Karimnagar, Warangal, Nalgonda
<b>UTTAR PRADESH</b>			
1	Bansagar Canal	Ganga/Sone	Allahabad, Mirzapur
2	Arjun sahayak	Dhasan/Ganga	Mahoba, Hamirpur, Banda
3	Madhya Ganga canal PH-II	Ganga	Moradbad, Jyotibafule Nagar, Bijnore
4	Saryu Nahar(NP)	Ganga/Saryu	Baharaich, Basti, Gorakhpur, Gonda, Shravasti, Balrampur, Siddharth nagar, Sant Kabir nagar

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State-wise details of PMKSY-HKKP-GW projects

<b>Sl. No.</b>	<b>State</b>	<b>Number of Wells to be constructed</b>	<b>Total Project Command (Ha)</b>
1	Assam-Phase-I	4779	19116
2	Arunachal Pradesh-Phase-I	473	1785
3	Gujarat	2512	3768
4	Nagaland	262	667
5	Tripura Phase-I	231	339
6	Uttar Pradesh	14347	34659
7	Arunachal Pradesh Phase –II	519	1957
8	Tamil Nadu	166	610
9	Manipur	550	2057
10	Mizoram	209	553
11	Telangana	13023	22925
12	West Bengal	6410	37840
13	Assam- Phase-II	4916	19680
14	Uttarakhand	206	1030
15	Tripura Phase-II	890	2670
	<b>Total</b>	<b>49493</b>	<b>149656</b>

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The details central assistance released to State of West Bengal under FMP and RMBA components of FMBAP for period 2016-17 to 2020-21

(in Rs. crore)

<b>Components of FMBAP</b>	<b>Project</b>	<b>District</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>Total</b>
FMP Component	WB-16 Reconstruction, remodeling and improvement of embankments in Sunderban and adjoining areas in the districts of North and south 24 Parganas, damaged by severe cyclone, “AILA”.	North and south 24 Parganas	-	-	23.65	117.12	-	140.77
	WB-17 Drainage Scheme for Kaliaghai-Kapaleshwari-Baghai Basin in district Madinipur (WB).	Medinipur	-	8.09	-	-	-	8.09
	WB-18 Improvement of embankment and ancillary works in Kandi and other adjoining areas of district of Murshidabad	Murshidabad	12.61	56.94	-	-	-	69.55
RMBA Component	RMBA Project	Border Areas of Bangladesh in West Bengal	-	-	65.66	-	-	65.66
	<b>Total</b>		<b>12.61</b>	<b>65.03</b>	<b>89.31</b>	<b>117.12</b>	<b>-</b>	<b>284.07</b>



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States/UTs-wise and agency-wise proposed number of Dams along with their estimated cost under DRIP Phase-II & Phase-III

<b>Sl. No.</b>	<b>State / Agency</b>	<b>No. of dams</b>	<b>Estimated Cost (Rs. in crore)</b>
1.	Andhra Pradesh	31	667
2.	Chhattisgarh	5	133
3.	Goa	2	58
4.	Gujarat	6	400
5.	Jharkhand	35	238
6.	Karnataka	41	612
7.	Kerala	28	316
8.	Madhya Pradesh	27	186
9.	Maharashtra	167	940
10.	Manipur	2	311
11.	Meghalaya	6	441
12.	Odisha	36	804
13.	Punjab	12	442
14.	Rajasthan	189	965
15.	Tamil Nadu	59	1064
16.	Telangana	29	545
17.	Uttar Pradesh	39	787
18.	Uttarakhand	6	274
19.	West Bengal	9	84
20.	BBMB	2	230
21.	CWC	---	570
22.	DVC	5	144
<b>Total</b>		<b>736</b>	<b>10,211</b>

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**Projects under appraisal in CWC**

No.	Name of the Project	State	Basin/ River
1	Sita Rama Lift Irrigation Project, Phase-I	Telangana	Krishna Basin
2	Kalasa Nala Diversion Scheme	Karnataka	Mahadayi river of Mahadayi basin
3	Bhandura Nala Diversion Scheme	Karnataka	Mahadayi river of Mahadayi basin
4	Mekedatu Balancing Reservoir cum Drinking Water Project	Karnataka	Krishna Basin
5	Royalaseema Lift Scheme to lift water to SRMC feeding 3 Schemes which are presently drawing water by gravity from foreshore of Srisaillam Reservoir viz. GNSS SRBC and TGP Kurnool District Andhra Pradesh	Andhra Pradesh	Krishna/ Krishna
6	Upper Krishna Project- Stage-III	Karnataka	Krishna/ Krishna
7	ERM of Narayanpura Right Bank Canal (NRBC) System	Karnataka	Krishna/ Krishna
8	Attappady Irrigation Project	Kerala	Bhavani/ Cauvery
9	Katepurna Barrage Project	Maharashtra	Katepurna/ Tapi
10	Bordi Nalla Medium Irrigation Project Tq Chandur Bazaar Dist Amravati	Maharashtra	Purna/ Tapi
11	Par-Tapi Narmada Link Project	Gujarat/ Maharashtra	Narmada/Par, Auranga, Ambika, Purna
12	Bina Complex Irrigation and Multipurpose project	Madhya Pradesh	Ganga/ Bina, Dhasan
13	Kalisindh Major Multipurpose Irrigation Project Phase-II	Rajasthan	Chambal / Kalisindh
14	Eastern Rajasthan Canal Project	Rajasthan	Ganga/ Chambal and its tributaries
15	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.	Rajasthan	Ganga/ Yamuna
16	Diversion of Surplus water of Sabarmati basin for filling of Jawai Dam	Rajasthan	Sabarmati/ Wakal, Pameri
17	Nabarangpur Irrigation Project	Odisha	Godavari/ Indravati
18	Middle Kolab Multipurpose Project	Odisha	Godavari/ Kolab, Kerajodi Nallah
19	Indrapuri Reservoir Project-PPR	Bihar	Ganga/ Sone
20	Lower Vamsadhara Stage-1 Project	Odisha	Godavari/ Sana Nadi
21	ERM of Loktak Lift Irrigation Project, Manipur	Manipur	Loktak
22	Sonai Irrigation Project	Assam	Sonai/Barak
23	Rukni Irrigation Project	Assam	Rukni / Barak
24	Phina Singh Medium Irrigation Project	Himachal Pradesh	Beas