

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. †3785**  
ANSWERED ON 09.08.2018

**CAPACITY OF DAMS**

†3785. SHRI AJAY MISRA TENI

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) whether the Government has prepared/proposes to prepare any action plan to enhance the present capacity of the dams and canals to increase the present area under irrigation in the country especially Bundelkhand region in Uttar Pradesh; and
- (b) if so, the area of land likely to be benefited therefrom along with the names of such dams and canals, location-wise?

**ANSWER**

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION & PARLIAMENTARY AFFAIRS

(SHRI ARJUN RAM MEGHWAL)

(a) & (b) Construction, maintenance and operation including enhancement of capacity of dams and canals is prime responsibility of dam owners who are generally State Governments or Central PSUs and private owners. In order to supplement the efforts of the State Governments, Ministry of Water Resources, River Development and Ganga Rejuvenation (MoWR, RD & GR) provides technical and financial assistance to encourage sustainable development and efficient management of water resources through various schemes and programmes such as Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) and Dam Rehabilitation and Improvement Programme (DRIP).

Central Water Commission (CWC) appraises the project proposals received from State Governments for techno-economic acceptance by Advisory Committee of MoWR, RD & GR under new as well as Extension, Renovation and Modernization (ERM) categories. Details of ERM projects cleared by the Technical Advisory Committee (TAC) of MoWR, RD & GR to augment the capacity of existing canal system and its repair & modernization since January, 2014 to till date is at **Annexure I**. Government of Rajasthan has submitted ERM proposal of Indira Gandhi Nahar Project Stage II and Kanwar Sain Lift Stage I to benefit 7,24,000 ha land in Bikaner, Jaisalmer and Sriganganagar districts of Rajasthan, for appraisal in CWC on 25.04.2018. After examination for techno-economic feasibility of the project TAC considers the project for techno-economical clearance. No ERM project proposal pertaining to the Bundelkhand region in Uttar Pradesh has been received in CWC for appraisal. However, Government of Uttar Pradesh has started the process of augmentation of Kabrai Dam Capacity from 12.40 Million Cubic Meter (MCM) to 130.25 MCM to increase the irrigation potential from 4288 ha to 44,381 ha. The benefited districts from Kabrai dam are Mahoba, Hamirpur and Banda in Bundelkhand region of Uttar Pradesh.

During 2016-17, ninety-nine on-going Major/Medium irrigation projects under PMKSY-Accelerated Irrigation Benefits Programme (AIBP), having ultimate irrigation potential of 76.03 lakh ha and balance estimated cost of Rs77,595 Crore have been prioritized in consultation with States, for completion in phases up to December, 2019 along with their Command Area Development & Water Management (CADWM) works. Funding mechanism through NABARD has been approved by the Government for both Central and State share. Out of 99 prioritized projects, Arjun sahayak project having ultimate irrigation potential of 44,380 ha provides benefit to Bundelkhand region of Uttar Pradesh.

Out of these 99 projects, 10 projects have been categorized as ERM projects. Details of Central assistance (CA) released during 2015-16 to 2017-18 and districts benefitted from these 10 ERM projects are at **Annexure II**.

Government of India with the World Bank assistance started DRIP in year 2012 with an objective to improve the safety and performance of selected existing dams and associated appurtenances in sustainable manner. Originally it was a six years scheme with scheduled completion in June 2018. The scheme has been given two years extension with revised closure in June 2020. The original estimated cost was Rs. 2100 Crore and the Revised Cost Estimate (RCE) is Rs. 3466 Crore. Two reservoirs in Tamil Nadu and one barrage in Uttarakhand have been taken up for de-siltation under DRIP. The details are at **Annexure III**.

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**Annexure - I**

**Annexure referred to in reply to part (a) & ( b) of Unstarred Question No. †3785 to be answered in Lok Sabha on 09.08.2018 regarding “Capacity of Dams”**

Details of ERM projects cleared by Technical Advisory Committee of MOWR,RD&GR

TAC No	TAC Date	Name of ERM proposal	State	Category/ Type	Area benefitted
123 <sup>rd</sup>	30.01.2014	Karnataka Integrated and sustainable Water Resources Management Investment Program (KISWRMIP), Tranche-1	Karnataka	Medium ERM	Area benefitted 7500 Ha
125 <sup>th</sup>	25.05.2015	Modernization of Tunga Anicut Canal Network	Karnataka	ERM, Medium	11732 Ha
125 <sup>th</sup>	25.05.2015	Modernization of canal system of Bhadra reservoir Project	Karnataka	ERM, Major, Revised Cost	177337 Ha
125 <sup>th</sup>	25.05.2015	ERM of Rajghat Canal Project	Madhya Pradesh	ERM, Major, Revised Cost	164789 Ha
127 <sup>th</sup>	13.11.2015	Revised Cost Estimate of Relining of Rajasthan Feeder from RD 179000 to 496000, Punjab	Punjab	Major - ERM, Revised Cost	98739 Ha
127 <sup>th</sup>	13.11.2015	Revised Cost Estimate of Extension, Renovation and Modernization of canals being fed from river Sutlej	Punjab	Major - ERM, Revised Cost	207068 Ha
127 <sup>th</sup>	13.11.2015	Revised Cost Estimate of Relining of Sirhind Feeder from RD 119700 to 447927, Punjab	Punjab	Major - ERM, Revised Cost	69086 Ha
130 <sup>th</sup>	30.09.2016	ERM of Chandrakeshar Dam Project	Madhya Pradesh	New Medium ERM	Irrigation area benefitted 5000 Ha
130 <sup>th</sup>	30.09.2016	Rajasthan Water sector Restructuring Project for Desert Area (RWSRPD)	Rajasthan	Major - ERM	Irrigation area benefitted 172988 Ha
130 <sup>th</sup>	30.09.2016	ERM of Grand Anicut Canal System	Tamil Nadu	Major - ERM	Irrigation area benefitted 100191.09 Ha
131 <sup>st</sup>	16.11.2016	Sukhahar medium irrigation project	Himachal Pradesh	New ERM	CCA of 2186 Ha and an annual irrigation 5572 Ha to benefitted approximately 24120 people
133 <sup>rd</sup>	01.05.2017	Project estimate for Rehabilitation, Renovation and Modernization of various distributaries systems along with allied works in Punjab State ( UBDC system)	Punjab	Major ERM	
133 <sup>rd</sup>	01.05.2017	Rajasthan water sector livelihood improvement project (RWSLIP)( Again deferred due to pending compliance on the part of the State Government )	Rajasthan	Major ERM	
133 <sup>rd</sup>	01.05.2017	Revised cost estimate of Modernization of Ranvir canal project	Jammu and Kashmir	Revised Major ERM	Annual irrigation of 55418 Ha benefitting Jammu and Samba District.
135 <sup>th</sup>	12.03.2018	Modernization of Nizamsagar project-Main Canal and Distributory system including repairs to CM & CD works	Telangana	Major, ERM	

**Annexure - II**

**Annexure referred to in reply to part (a) & ( b) of Unstarred Question No. †3785 to be answered in Lok Sabha on 09.08.2018 regarding “Capacity of Dams”**

Details of ERM Projects under 99 prioritized projects

Sr. No.	State	Name of Project	Districts Benefitted	Ultimate Irrigation Potential (Th. Ha.)
1	Chhatisgarh	Kharung	Bilaspur	10.30
2		Maniyari Tank	Bilaspur	14.52
3	Jammu & Kashmir	Restoration & Mod. of Main Ravi Canal	Jammu, Samba, Kathua	50.75
4	Karnataka	NLBC System Project	Gulbarga, Bijapur	105.00
5	Odisha	Anandpur Barr./Integrated Anandpur Barr.	Keonjhar, Bhadrak, Balasore	8.88
6	Punjab	Kandi Canal Extension (ph-II)	Hoshiarpur, Shaheed Bhagat Singh Nagar	23.33
7		Rehabilitation of Ist Patiyala Feeder and Kotala Branch Project	Sangrur, Mansa, Barnala, Ludhiana, Bathinda	68.62
8	Rajasthan	Mod. of Gang Canal	Sriganganagar	69.69
9	Telangana	FFC of SRSP	Karimnagar, Warangal	40.00
10		SRSP St-II	Warangal, Nalgonda, Khammam	178.07

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Detail of dams taken up for de-siltation work under DRIP

Sl. No	Name of Dam	State	Owned by	Area benefitted
a)	Kundahapalam	Tamil Nadu	TANGEDCO	Meant for Hydropower generation only
b)	Papanasam	Tamil Nadu	TANGEDCO	Meant for Hydropower generation only
c)	Asan Barrage	Uttarakhand	UJVNL	Power Generation

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