

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE

**LOK SABHA**  
**UNSTARRED QUESTION NO. 1391**  
TO BE ANSWERED ON THE 12<sup>TH</sup> FEBRUARY, 2019

**WATER EFFICIENCY IN AGRICULTURE**

1391. SHRI RAVNEET SINGH:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) whether it is true that only 38% of water efficiency is prevalent in agriculture, in the country and if so, the details thereof;
- (b) whether the Ministry has a separate department relating to irrigation project management and if so, the details thereof;
- (c) the measures taken by the Government in consultation with the State Government of Punjab for effective conservation of water for agricultural purposes; and
- (d) the amount spent by the Government in this regard?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्रालय में राज्य मंत्री (SHRI PARSHOTTAM RUPALA)

(a): As per Twelfth Five Year Plan document published in May 2013, Central Water Commission (CWC) carried out study on water use efficiency in completed major and medium irrigation projects. According to the study the water use efficiency in agriculture in India is around 38 per cent. The summary of results of the study is Annexed.

(b): No Madam, Water Resources Projects are planned, funded, executed and maintained by the State Governments themselves as per their own resources and priority. In order to supplement their efforts, the Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR, RD &GR) provides technical and financial assistance to State Governments to encourage sustainable development and efficient management of water resources/irrigation projects through various schemes and programmes such as Accelerated Irrigation Benefit Programme (AIBP) under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY).

(c) & (d): The Government of India is promoting Micro Irrigation viz. Drip & Sprinkler systems for efficient use of water in agriculture under the 'Per Drop More Crop' component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) in the country including the State of Punjab. Besides, underground pipeline system is also being promoted to enhance water conveyance efficiency, preserve ground water resource and to provide alternate source of irrigation in the form of treated waste water in Punjab under Centrally Sponsored Schemes of Rashtriya Krishi Vikas Yojana and Crop Diversification Programme. During the current year, Government of India share of Rs. 24.36 crore and State share of Rs. 33.87 Crore has been spent up to January, 2019 in Punjab.

**Annexure Lok Sabha Unstarred Question No. 1391 for 12.02.2019**  
**Water Use Efficiency of Completed Major/Medium Irrigation Projects Based on Field**  
**Measurements of Losses**

	Name of Project	Culturable Command Area (Hectares)	Conveyance Efficiency (per cent)	On Farm Application Efficiency (per cent)	Overall Project Water Use Efficiency (per cent)
(1)	(2)	(3)	(4)	(5)	(6)
1.	Bhairavanithippa Project	4,856	86	67	58
2.	Gajuladinne (Sanjeevaiah Sagar Project)	10,300	57	45	26
3.	Gandipalem Project	6,478	73	38	28
4.	Godavari Delta System (Sir Arthur Cotton Barrage)	4,10,108	83	54	45
5.	Kurnool-Cuddapah Canal System	65,465	62	45	28
6.	Kaddam Project	27,519	51	36	18
7.	Koil Sagar Project	11,700	83	75	62
8.	Krishna Delta System (Prakasam Barrage)	5,29,000	87	46	40
9.	Nagarjuna Sagar Project	8,89,000	56	39	22
10.	Narayanapuram Project	15,855	47	32	15
11.	Nizamsagar Project	93,659	87	45	39
12.	Srisailem Project	59,900	50	34	17
13.	Rajolibanda Diversion Scheme	35,410	82	51	42
14.	Somasila Project	54,650	56	32	18
15.	Sri Ram Sagar Project	3,71,054	78	57	45
16.	Tungabhadra High Level Canal	45,800	81	58	47
17.	Tungabhadra Low Level Canal	61,163	72	45	32
18.	Vamsadhara Project	82,087	91	58	53
19.	Yeleru Project	27,240	50	28	14
20.	Augmentation Canal Project	85,443	79	72	57
21.	Dholabaha Dam Project	2,600	74	71	53
22.	Ranjit Sagar Dam Project	3,00,000	51	65	33
23.	Ahraura Dam Irrigation Project	14,964	70	70	49
24.	Matatila Dam Project	1,79,880	68	80	54
25.	Naugarh Dam Irrigation Project	64,221	71	70	50
26.	Pili Dam Project	4,044	58	65	38
27.	Walmiki Sarovar Project	6,271	62	62	38
28.	East Baigul Reservoir Project	16,605	64	65	42
	<b>Average</b>		<b>69</b>	<b>52</b>	<b>38</b>

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