

–GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

**LOK SABHA**  
**UNSTARRED QUESTION NO. 827**  
**TO BE ANSWERED ON THE 25/07/2023**

**AGRO-ECONOMIC RESEARCH**

827. MS. DEBASREE CHAUDHURI:

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

- (a) the details of the works done under the Agro-Economic Research (AER) during the last five years, State-wise;
- (b) the details of the funds allocated, released and spent for AER during each of the last five years, State-wise;
- (c) whether there has been any delay in release of the allocated funds and if so, the reasons therefor; and
- (d) the details of the proposed/in progress projects under AER, State-wise especially in West Bengal?

**ANSWER**

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री  
(SHRI NARENDRA SINGH TOMAR)

- (a) The details of the work or studies carried out by Agro-Economic Research (AER) Centers/Units under AER Scheme, during last five years, state-wise, is at **Annexure- I to V**.
- (b) & (c) The details of the funds allocated, released and spent for AER during each of the last five years, State-wise, is at **Annexure-VI**. There is no delay in the release of allocated funds.
- (d) The study/(ies) carried out by AER Centres and Units, under AER scheme, at all India level include the state of West Bengal also. The details of the proposed/in progress projects under AER, State-wise is at **Annexure –VII**.

**Annexure referred to Reply to Part (a) of the Lok Sabha Unstarred Question No. 827 due for reply on 25/07/2023**

**Table No. 1: Work done by Agro-Economic Research Centres and Units under AER scheme during 2018-19**

<b>S.No.</b>	<b>Name of the Study</b>
<b>CMA Ahmedabad</b>	
1.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) (Consolidated)
2.	Farmers' Participation in India's Futures Markets: Exploring Direct and Indirect Benefits(Non-Coordinated)
3.	Production, Markets and Trade: Analysis of factors affecting pulse production in India
<b>ADRTC, ISEC, Bengaluru</b>	
4.	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income NFSM & non-NFSM districts(Consolidated)
5.	Assessment on Performance of Indigenous versus Imported Seedlings of Oil Palm (Consolidated)
6.	Assessment on Performance of Indigenous versus Imported Seedlings of Oil Palm in Karnataka.
7.	Adoption of recommended doses of fertilizer on soil test basis by farmers(Consolidated)
8.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Karnataka.
<b>IEG, Delhi</b>	
9.	Food Inflation at National and State level-Trend and Determinants
10.	Sources of growth in agriculture and its impact for employment and poverty in India. (Non-Coordinated)
11.	Employment Scenario in Food Processing Sector with focus on women.
12.	e-NAM: A review of performance and prospects.
13.	Dynamics and Revival of Fallow lands (Consolidated)
<b>AERC, Allahabad</b>	
14.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Uttar Pradesh.
<b>AERC, Bhagalpur</b>	
15.	An Analysis of Supply Chain of Maize Marketing and Possibility of its Value Addition in Bihar.
16.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Bihar.
<b>AERC, Jabalpur</b>	

17.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Madhya Pradesh
<b>AERC, Pune</b>	
18.	Impact of Trade Policy Changes on Agricultural Sector of Maharashtra with special focus on edible oils.
19.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Maharashtra.
<b>AERC, Shimla</b>	
20.	Village study of Malana of District Shimla in Himachal Pradesh.
21.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Himachal Pradesh
<b>AERC, Visva-Bharati,</b>	
22.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in West Bengal.
23.	Rural Livelihood Diversification in West Bengal
<b>AERC, V.V Nagar</b>	
24.	Performance evaluation of Pradhan Mantri Fasal Bima Yojana (PMFBY) in Gujarat.
25.	Solarisation of Agricultural Water Pumps in Rajasthan and Gujarat
26.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level (Consolidated)
<b>AERC, Waltair</b>	
27.	An Analysis of Supply Chain of Maize Marketing and Possibility of its Value Addition in Odisha.
28.	Comparative economics and determinants of coffee in Odisha and Andhra Pradesh.
29.	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Odisha.

**Annexure referred to Reply to Part (a) of the Lok Sabha Unstarred Question No. 827 due for reply on 25/07/2023**

**Table No. 2: Work done by Agro-Economic Research Centres and Units under AER scheme during 2019-20**

<b>S.No.</b>	<b>Name of the Study</b>
<b>AERU, Agricultural Development and Rural Transformation Centre, Bengaluru</b>	
1.	A decision-oriented information system for farmers- through Kisan Call Centre (KCC) and Kisan Knowledge Management System (KKMS) in Karnataka.
<b>AERC, Allahabad</b>	
2.	Impact Evaluation of Farm Debt Waiver Scheme on Farmers' Livelihood in Uttar Pradesh
3.	Strategies to Bridge Yield Gap of Major Crops in Bundelkhand Agro-Climatic Region of Uttar Pradesh
4.	Assessment of Livestock Feed and Fodder in the State of Uttar Pradesh
<b>AERC, Chennai</b>	
5.	Dynamics and Revival of Fallow lands in Kerala.
6.	Problems and Prospects of procurement, value addition and marketing of coconut : The cases of Kerala and Lakshadweep
<b>AERC, Delhi</b>	
7.	Performance evaluation of PradhanMantriFasalBimaYojana (PMFBY) in Uttarakhand.
<b>AERC, Jorhat</b>	
8.	Performance evaluation of PradhanMantriFasalBimaYojana (PMFBY) in Assam.
9.	Jhuming to Farming as an Alternative way of Livelihood among the Tribal's of Tripura
<b>AERC, Ludhiana</b>	
10.	Impact Evaluation of Farm Debt Waiver Scheme on Farmers Livelihood in Punjab
11.	Impact Evaluation of Farm Debt Waiver Scheme on Farmers Livelihood in India
<b>AERC, Shimla</b>	
12.	Impact of Hail Protection Mechanism on Apple Crop in Himachal Pradesh-A Case Study of Shimla District
<b>AERC, Vallabh Vidya Nagar</b>	
13.	Assessment of Livestock Feed and Fodder in Gujarat and Rajasthan

**Annexure referred to Reply to Part (a) of the Lok Sabha Unstarred Question No. 827 due for reply on 25/07/2023**

**Table No. 3: Work done by Agro-Economic Research Centres and Units under AER scheme during 2020-21**

<b>S.No.</b>	<b>Name of the Study</b>
<b>AERC, Allahabad</b>	
1.	Sugarcane Transportation Cost and Harvesting Cost in Uttar Pradesh
2.	Village survey study in Uttar Pradesh.
3.	Improving Water Use Efficiency in India's Agriculture: The Impact, Benefits and Challenges of Micro-Irrigation under the Pradhan Mantri Krishi Sinchayee Yojna: Per Drop More Crop (PMKSY-PDMC) in Uttar Pradesh
<b>AERC, Bhagalpur</b>	
4.	Seed mini-kits of pulses and other crops- its relevance and application/ distribution efficiency in Bihar
5.	Extent of Erosion into Farm Profitability due to Market Imperfections in Bihar
<b>AERC, Chennai</b>	
6.	Assessment of Feed and Fodder in Kerala
7.	Village survey study in Tamilnadu.
<b>AERC, Delhi</b>	
8.	Assessment of Livestock Feed and Fodder in Haryana
9.	Sugarcane Transportation and Harvesting Cost
<b>AERC, Jabalpur</b>	
10.	Relevance and Distribution Efficiency of Seed Mini-Kits of Pulses in Madhya Pradesh
11.	Strategies to Bridge Yield Gap of Major Crops in Bundelkhand Agro-Climatic Region in Madhya Pradesh
12.	Strategies to Bridge Yield Gap of Major Crops in Bundelkhand Agro-Climatic Region (Consolidated Study)
13.	Impact evaluation study on Per Drop More Crop component of PradhanMantriKrishiSinchayeeYojana (PMKSY) in Madhya Pradesh
14.	The extent of erosion into farm profitability due to market imperfections in Madhya Pradesh

**Annexure referred to Reply to Part (a) of the Lok Sabha Unstarred Question No. 827 due for reply on 25/07/2023**

**Table No. 3: Work done by Agro-Economic Research Centres and Units under AER scheme during**

<b>AERC, Jorhat</b>	
15.	Market analysis for Bamboo Products in Assam
<b>AERC, Ludhiana</b>	
16.	The Extent of Erosion into Farm Profitability due to Market Imperfections in Punjab
17.	Village Survey Study in Punjab
<b>AERC, Pune</b>	
18.	Assessment of ratio of different products/forms of Spices being marketed: Study based on Ginger and Turmeric (consolidated)
19.	Village Survey Study in Maharashtra (Gulumb Village)
<b>AERC, Vallabh Vidya Nagar</b>	
20.	Seed mini-kits of pulses and other crops- its relevance and application/ distribution efficiency in Rajasthan
21.	A Market Imperfections and Farm Profitability in Gujarat
<b>AERC, Visva-Bharti</b>	
22.	Impact evaluation study on Per Drop More Crop component of PradhanMantriKrishiSinchayeeYojana (PMKSY) in Sikkim.
23.	Assessment of feed and fodder in West Bengal
<b>AERC, Waltair</b>	
24.	Impact evaluation study on Per Drop More Crop component of PradhanMantriKrishiSinchayeeYojana (PMKSY) in Telangana

**Annexure referred to Reply to Part (a) of the Lok Sabha Unstarred Question No. 827 due for reply on 25/07/2023**

**Table No. 4: Work done by Agro-Economic Research Centres and Units under AER scheme during 2021-22**

<b>S.No.</b>	<b>Name of the Study</b>
<b>AERC, Bhagalpur</b>	
1.	Village Survey Study in Bihar
<b>AERC, Delhi</b>	
2.	Village Survey Study
<b>AERC Jabalpur</b>	
3.	Village Survey Study in Madhya Pradesh
<b>AERC Jorhat</b>	
4.	Village Survey Study in Assam
5.	Socio Economic Transformation of Reang primitive tribal group through Rubber plantation in Tripura
<b>AERC, Pune</b>	
6.	Seed mini-kits of pulses and other crops- its relevance and application/ distribution efficiency in Maharashtra
7.	Improving Water Use Efficiency in India's Agriculture: The Benefits, Impact and Challenges of Micro Irrigation under the Pradhan Mantri Krishi Sinchayee Yojana: Per Drop More Crop (PMKSY-PDMC) in Maharashtra
<b>AERC, Vallabh Vidya Nagar</b>	
8.	Village Survey Study in Gujarat (Moti Khandol Village, Kheda District)
9.	Village Survey Study in Rajasthan- Naurangdeshar village, Sriganganagar/Hanumagarh District
<b>AERC, Visva-Bharati</b>	
10.	Village Survey Study in West Bengal
<b>AERC, Waltair</b>	
11.	The extent of erosion into farm profitability due to market imperfections in Andhra Pradesh
12.	Evaluation of Zero Budget Natural Farming initiatives in Andhra Pradesh & Telangana
13.	Village Survey Study in Andhra Pradesh
<b>AERU, Centre for Management in Agriculture, Indian Institute of Management- Ahmedabad</b>	
14.	Understanding the performance and impact of Farmers Producers Organisation (FPOs)– Case studies across states and promoters in India
15.	The Performance and Impact of Micro Irrigation in Improving Water Use Efficiency in India's Agriculture: Study of the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) - Per Drop More Crop (PDMC)

**Table No. 4: Work done by Agro-Economic Research Centres and Units under AER scheme during 2021-22 (Contd.)**

<b>S.No.</b>	<b>Name of the Study</b>
16.	Assessing the impact of the e-NAM Initiative linking APMC Markets: Evidence from Villages
<b>AERU, Agricultural Development and Rural Transformation Centre, Bengaluru</b>	
17.	Assessment Of Livestock Feed And Fodder In All States/ UTs – An All India Study
18.	Assessment Of Livestock Feed And Fodder In Karnataka
19.	Seed Minikits of Pulses Program Relevance and Distribution Efficiency in Karnataka
20.	Seed mini-kits of pulses and other crops- its relevance and application/ distribution efficiency (Consolidated Study)
21.	Functioning of Direct Benefit Transfer(DBT) in Fertilizer at Retail Point
22.	Village Survey Study in Karnataka
<b>AERU, Institute of Economic Growth, Delhi</b>	
23.	The extent of erosion into farm profitability due to market imperfections (Consolidated Study)
24.	Future Market for Agricultural commodities in India
25.	Requirement and availability of cold chain for fruits and vegetables in the country
26.	An investigation of policy environment for price support in pulses and oilseeds.



Annexure referred to Reply to Part (a) of the Lok Sabha Unstarred Question No. 827 due for reply on 25/07/2023

**Table No. 5: Work done by Agro-Economic Research Centres and Units under AER scheme during 2022-23**

<b>S.No.</b>	<b>Name of the Study</b>	<b>Work-Plan</b>
<b>AERC, Allahabad</b>		
1.	The Impact of Pradhan Mantri Kisan Samman Nidhi Scheme on Farm Income of Beneficiaries in Uttar Pradesh	2021-22
<b>AERC, Delhi</b>		
2.	Estimating and Bridging the Yield Gaps in Oilseeds for Atma Nirbhar Bharat	2021-22
<b>AERC, Jabalpur</b>		
3.	Farmers Perception regarding Production and Marketing of Quality Seed Production in Madhya Pradesh	2021-22
<b>AERC, Pune</b>		
4.	Role of Women in Agricultural Sector-Case of Maharashtra	2021-22
<b>AERC, VV Nagar</b>		
5.	Castor Crop Cultivation in Gujarat: Problems, Prospects and Export Potential	2021-22
<b>AERU IEG Delhi</b>		
6.	Identification of nodal markets for price monitoring	2021-22

## Annexure-VI

Annexure referred to Reply to Part (b)-(c) of the Lok Sabha Unstarred Question No. 827 due for reply on 25/07/2023

Table No. 6: The funds allocated, released and spent for AER during each of the last five years

(Rs. In crores)

Name of the Centre/Units	Coverage of the State	2018-19			2019-20			2020-21			2021-22			2022-23		
		Allocation (RE)	Released	Expenditure	Allocation (RE)	Released	Expenditure	Allocation (RE)	Released	Expenditure	Allocation (RE)	Released	Expenditure	Allocation (RE)	Released	Expenditure
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Allahabad	Uttar Pradesh	4.29	3.97	1.00	0.95	0.95	0.64	1.35	1.35	0.76	2.10	2.10	2.23	2.00	1.73	1.70
Bhagalpur	Bihar, Jharkhand	0.70	0.55	0.50	0.55	0.55	0.59	0.80	0.80	0.73	1.10	1.10	1.07	1.10	0.92	0.53
Chennai	Tamil Nadu, Kerala, Pondichery, Minicoy & Lakshadweep	0.25	0.21	0.31	0.45	0.45	0.32	0.30	0.30	0.22	0.35	0.35	0.21	0.30	0.15	0.27
Delhi	Delhi, Haryana & Uttarakhand	1.10	1.08	0.99	0.95	0.95	1.11	1.50	1.50	1.50	1.50	1.50	1.34	1.40	1.05	1.02
Jabalpur	Madhya Pradesh Chhattisgarh	1.00	0.84	1.08	0.95	0.95	1.05	1.35	1.35	1.37	1.75	1.75	1.81	1.80	1.57	1.35
Jorhat	Assam, Meghalaya, Nagaland, Manipur, Tripura, Arunachal Pradesh, Mizoram	1.50	1.38	1.43	2.75	2.75	2.14	2.00	1.51	1.62	1.50	1.50	2.00	4.60	4.37	4.58
Ludhiana	Punjab	1.30	1.30	1.41	1.40	1.40	1.60	1.70	1.70	1.43	1.65	1.65	1.53	1.80	1.27	1.68
Pune	Maharashtra, Karnataka, Goa, Daman & Diu	1.70	1.70	1.77	1.70	1.70	1.93	2.15	2.15	1.85	1.90	1.90	1.90	2.50	2.50	2.05
Shimla	Himachal Pradesh, J & K	0.80	0.48	0.95	0.90	0.90	0.42	1.20	1.20	0.33	0.85	0.85	0.88	1.00	1.00	0.96
Vallabh-Vidyanagar	Gujarat, Rajasthan, Dadra & Nagar Haveli	1.40	1.40	1.38	1.00	1.00	1.19	6.25	6.25	4.04	4.00	4.00	3.50	3.00	2.53	3.91
Visva-Bharati	West Bengal, Sikkim Andaman & Nicobar Islands	3.57	3.35	1.48	1.70	1.70	1.57	2.33	2.33	1.60	2.10	2.10	1.93	2.10	1.65	1.72
Waltair	Andhra Pradesh, Orissa & Telangana	2.19	1.60	1.75	1.75	1.75	0.84	2.00	2.00	0.93	2.35	2.35	2.09	2.00	1.51	1.92
IEG-Delhi	All India	2.90	2.90	2.48	2.40	2.40	2.56	2.80	2.80	2.68	3.25	3.25	2.97	3.50	3.33	3.02
IIM-Ahmedabad	All India	3.90	3.90	3.27	3.20	3.20	3.48	3.40	3.40	2.55	3.25	3.25	3.19	3.50	1.98	3.30
ISEC-Bangalore	All India	2.90	2.86	2.41	2.10	2.10	2.42	2.70	2.70	2.70	3.15	3.15	3.02	3.50	3.26	3.24

**Note:** Col. No.17 unaudited expenditure figures of 2022-23.

**Annexure referred to Reply to Part (d) of the Lok Sabha Unstarred Question No. 827 due for reply on 25/07/2023**

**Table No. 7: Studies undertaken by AER Centres/Units under AER scheme during**

<b>S.No.</b>	<b>Name of the Study</b>
<b>AERC, Bhagalpur</b>	
1.	Supply Chain of Makhana Marketing and Processing in Bihar
<b>AERC Ludhiana</b>	
2.	Impact Evaluation of paddy stubble management practices in Punjab, Haryana, Western UP and Delhi
<b>AERC Shimla</b>	
3.	Present Scenario of Apple Economy in Himachal Pradesh, Jammu & Kashmir and Uttarakhand - A Comparative Study
<b>AERC VV Nagar</b>	
4.	Cost of milk production and gross return to milk producers
<b>AERU, Institute of Economic Growth, Delhi</b>	
5.	To study movement, traceability and uses of imported palm oil in various sectors after arrival on various ports
6.	Consumption Pattern of Different Edible Oils in India
7.	Evaluation Study of "Decentralized Procurement (DCP) Scheme for procurement of wheat/paddy under Minimum Support Price (MSP)" incorporating an in-depth / deeper study to evolve strategy for crop diversification in Punjab and Haryana in oilseeds and pulses.
<b>AERU, Centre for Management in Agriculture, Indian Institute of Management- Ahmedabad</b>	
8.	Mechanization in Agriculture: Assessment of Skill Development Gap and Adoption of Labor Saving Technologies
9.	Self Sufficiency in Pulses Production in India': An analysis - Based on successful performance of pulse production and its export from Myanmar
10.	Assessing Skill Gap in Micro Irrigation across India
11.	Determinants Of Farmer's Participation Within Paramparagat Krishi Vikas Yojana (PKVY), Including Bhartiya Prakritik Krishi Padhati (BPKP)
<b>AERU, Agricultural Development and Rural Transformation Centre, Bengaluru</b>	
12.	'Farmers Suicide: Causes and Policy Prescription in India
13.	Estimation of Coconut Processing, Transportation and Marketing Costs in India
14.	Impact Evaluation of Pilot Project "Development of Model Villages under Soil Health Card Scheme
15.	Land Titling and Agricultural Productivity A Consolidated All India Study

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