

Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare

RAJYA SABHA
UNSTARRED QUESTION NO. 991
TO BE ANSWERED ON THE 10/02/2023

**PILOT PROJECTS UNDER NATION E-GOVERNANCE PLAN-AGRICULTURE
(NEGPA) 2.0**

991. SHRI SANJEEV ARORA:

Will the MINISTER OF AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) the status of implementation of emerging technology pilot projects under Nation e-Governance Plan in Agriculture (NeGPA) 2.0; and
- (b) the Projects that have been commissioned across various States and the learnings/outcomes from these projects?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI NARENDRA SINGH TOMAR)

(a) & (b): Projects sanctioned to the States/UTs under Nation e-Governance Plan in Agriculture (NeGP-A) are at different stages of implementation. The details of the projects sanctioned under NeGP-A during last three years are given at Annexure.

I. Projects sanctioned under Financial Year 2020-21

S.No.	Name of State/UT	Name of Project Sanctioned
1.	Arunachal Pradesh	Resilient Supply Chain for identified Agricultural Crops Leveraging Digitization
2.	Bihar	Digital Package of Practices for Major Crops and Automation Technique in Irrigation in State Seed Multiplication Farms
3.	Meghalaya	Development of web and mobile based "Crop Pest Surveillance and Advisory Project (CROPSAP)
4.	Uttar Pradesh	(i)Unmanned Aerial Vehicle for Agriculture Applications, (ii) Hand Held Tool based Soil Health Monitoring Integrated system and (iii) Automated Fire Alert System for Crop Residue Burning in U.P.
5.	Telangana	(i)Crop Monitoring(ii)Automated irrigation Systems(iii) Fertilizer Calculation (iv)Automated Farm Operation (v)Traceability from seeds to produce and (vi) Produce Grading and Quality Assaying
6.	Odisha	Creation of Farmer Database
7.	Punjab	(i)Development of Crop and Soil Digital Algorithms for Crop Growth Monitoring, Crop Yield and Soil Quality at Farm Level using Remote Sensing, GIS and Machine Learning Technique sand(ii)Precision irrigation in major cropping systems of Punjab using artificial intelligence and sub-surface drip system
8.	Assam	e-project on ML based Crop Health Check UP for paddy crops.
9.	Andhra Pradesh	Gap Analysis & proposed solution to overcome the gaps in existing system in terms of integration digital transformation & seamless process flow
10.	Madhya Pradesh	(i)Precision Farming and(ii)Ground water Availability

II. Projects sanctioned under Financial Year 2021-22

S.No.	Name of State/UT	Name of Project Sanctioned
1.	Sikkim	Sikkim Agriculture Resource and Management System (ARMS)
2.	Utrakhand	1.computerize reporting of Agricultural Statistics Land Use Statistics and Area under different crops right from village level to State level 2. A for designing, development, installation and commissioning of the smart agriculture platform using GIS, Remote Sensing, AI and IoT
3.	Nagaland	Soil & Water Resource Management, Meteorological Analysis & Forecasting System using Remote Sensing, GIS mapping, Drone and Emerging Technologies under NeGPA.
4.	Meghalya	Regarding farmers database
5.	Tamil Nadu	creation of Unified Farmers Database and building layers or solutions over the Farmers Database
6.	Arunachal Pradesh	1.Developing a resilient Agriculture /Farm Produce Supply Chain System Leveraging Digitalization in Arunachal Pradesh 2. Development of Smart Pest Surveillance System cum Geo Spatial aided Agricultural Information System
7.	Mizoram	Geospatial Analytics & Decision Support for agriculture Development in Mizoram
8.	Haryana	Implementation of Emerging Technologies in Agriculture Sector in Haryana
9.	Andhra Pradesh	Implementation of Phase-II “UDP app to operate RBKs”
10.	Punjab	Estimation of Groundwater Unit Draft and Water Budgeting in Different Agro-climatic Regions of Puniab Using Internet of Things and Satellite Remote Sensing
11.	Odisha	Phase II of Krushak database (Odisha’s farmers database)

III. Projects sanctioned during Financial Year 2022-23

S.No.	Name of State/UT	Name of Project Sanctioned
1.	Himachal Pradesh	Setting up ICT Infrastructure Requirements in the Department of Agriculture
2.	Puducherry	Setting up Intelligent Agriculture Advisory System(i-AAS), Robotic Control Tissue culture(RCTC) and real time irrigation management system(RIMS)
3.	Tripura	Centralized farmer database, Direct benefit transfer, Precision farming, Integrated Information Ecosystem, Use of AI/ ML and Blockchain technologies, Capacity Building of Employees, Digital Soil Health Card App, SSO Integrated Platform, Farmer Producer Organization (FPO) Portal etc.
