

# ग्रामीण कृषि मौसम सेवा समाचार

## GKMS-News



**Quarterly Newsletter**  
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**Agricultural Meteorology Division**  
**India Meteorological Department**  
**Ministry of Earth Sciences**

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### *National Activities*

*Meetings / Workshops/ Seminars/ Trainings attended by officers of Agromet Advisory Services Division (AASD), New Delhi, Agrimet Division, Pune, RMCs/MCs, Agromet Field Units (AMFUs) and District AgroMet Units (DAMUs):*

➤ **Dr. K. K. Singh, Scientist-G & Head, AASD, IMD, New Delhi:**

- chaired a meeting to discuss fund flow as per revised mechanism issued by Department of Expenditure, MoF with all stakeholders (MoES, IMD, DARE, ICAR, PFMS) on 17<sup>th</sup> October 2022.
- chaired the 11<sup>th</sup> meeting of Project Monitoring and Advisory Committee (PMAC) of IMD to monitor the progress of the projects under ACROSS-IMD on 1<sup>st</sup> November 2022. In this meeting **Dr. S. Goroshi, Scientist-E** presented progress of different activities under GKMS.
- attended Farmers Awareness Programme (FAP) at Varanasi during 4-6 November 2022.
- visited DAMU at KVK West Khasi Hills on 19<sup>th</sup> December 2022.
- chaired the GKMS review meeting of Agro Advisory Services at Jorhat, Assam on 20<sup>th</sup> December 2022.

➤ **Dr. K. K. Singh, Scientist-G & Head, AASD, IMD, New Delhi, Dr. Kripan Ghosh, Scientist-F & Head, Agrimet Division, IMD, Pune, Dr. S. Goroshi, Scientist-E, Dr. Ashutosh Kumar Misra, Scientist-D and Smt. Priyanka Singh, Scientist-C** attended an online consultation workshop on "Climate Change Vulnerability Assessment at Block Level for Districts in the States of Sikkim (West Sikkim) and Uttarakhand (Uttarkashi)" under JSB project organized by UNDP on 17<sup>th</sup> October 2022.

- **Dr. K. K. Singh, Scientist-G & Head, AASD and Dr. S. Goroshi, Scientist-E, IMD, New Delhi** attended a meeting to discuss fund flow for AMFUs through revised fund flow mechanism with the technical staff of PFMS and officials of Bank of Maharashtra at Shivaji Stadium, New Delhi on 14<sup>th</sup> December 2022.
- **Dr. Ranjeet Singh, Scientist-F, AASD, IMD, New Delhi:**
  - participated and provided the inputs in weekly meeting of Inter- Ministerial Crop Weather Watch Group (CWWG) organized by Ministry of Agriculture & Farmers Welfare at Krishi Bhavan, New Delhi during October to December 2022.
  - attended “6<sup>th</sup> Meeting of National Level Monitoring Committee (NLMC-2022)” under Pradhan Mantri Fasal Bima Yojana at New Delhi on 24<sup>th</sup> November 2022.
- **Dr. Kripan Ghosh, Scientist-F & Head, Agrimet Division, IMD, Pune** attended the following:
  - an online workshop on “Agrometeorological Services” organized by World Meteorological Organization (WMO) in conjunction with the 4<sup>th</sup> Meeting of the “Standing Committee on Services to Agriculture” during 12-13 October 2022.
  - a meeting with the delegation from World Bank and officials from IMD, Pune in connection with joint Hydromet Training program for delegates from Bangladesh on 31<sup>st</sup> October 2022 and delivered a presentation on “Agromet Advisory Services of IMD”.
  - an online meeting to discuss “inputs for WG-Services Annual Report on Agriculture Services for 2022-23 and planned activities for 2023-24” on 9<sup>th</sup> November 2022.
  - familiarization programme for officials of many national and international insurance companies and meeting with them for discussion on “the requirement of weather/climate data useful for the insurance sector and data availability about the loss and damage with insurance companies” under the Chairmanship of Head, CR&S, IMD, Pune on 10<sup>th</sup> November 2022.
  - “Launch of the State of Climate in Asia 2021” through virtual mode on 14<sup>th</sup> November 2022.
  - a symposium on “Building an Environment Conducive to Growth” organised by Government of Maharashtra (GoM) under the Project on Climate Resilient Agriculture (PoCRA) in Maharashtra at Sahyadri State Guest House, Mumbai on 1<sup>st</sup> December 2022.
- **Dr. S. Goroshi, Scientist-E, AASD, IMD, New Delhi** attended the following:
  - an online meeting with all 11 ATARIs to discuss fund flow as per revised mechanism issued by Department of Expenditure, MoF on 18<sup>th</sup> October 2022.
  - an online meeting to discuss Soil Moisture and Soil Temperature observations recorded at 200 Agro-AWS stations with Astra Pvt Ltd on 04<sup>th</sup> November 2022.
  - an online meeting of RA-II Expert Team (ET-AGR) for WG-S, Agriculture Services to discuss progress in activities planned for 2022-23 and activities to be planned for 2023-24 on 9<sup>th</sup> November 2022. He also presented status of Agromet Advisory Services in India, China and Japan with respect to infrastructure, weather forecast, different dissemination channel etc.
  - an online meeting to discuss data recorded at 200 Agro-AWS with Astra Pvt Ltd on 17<sup>th</sup> November 2022.
  - visited Krishi Vigyan Kendra, Ujwa, Delhi to review progress in different activities to be performed under GKMS on 18<sup>th</sup> November 2022.

- mid-term review meeting of pilot studies on Gram Panchayat level crop yield estimation for non-cereal crops during *Kharif* 2022 on 6<sup>th</sup> and 7<sup>th</sup> December 2022.
  - meeting with DG, ICAR and DDG, ICAR to discuss current status of fund for DAMU and fund flow route for AMFUs on 9<sup>th</sup> December 2022.
  - Technical Evaluation Committee (TEC) meeting for 330 Agro-AWS for evaluation of bids received from different agencies on 30<sup>th</sup> December 2022.
- **Dr. Kripan Ghosh, Scientist-F & Head and Dr. Ashutosh Kumar Misra, Scientist-D, Agrimet Division, IMD, Pune** attended the following:
- online second workshop of the WMO WWRP HIWeather impact-based warnings workshop series on “People-centred impact-based forecast and warnings” on 1<sup>st</sup> November 2022.
  - online third workshop of the WMO WWRP HIWeather impact-based warnings workshop series on “Multi-hazard impact-based warnings” on 9<sup>th</sup> November 2022.
- **Dr. Kripan Ghosh, Scientist-F & Head, Dr. Ashutosh Kumar Misra, Scientist-D and Dr. Asha Latwal, Scientist-C, Agrimet Division, IMD, Pune** attended the following:
- an online meeting chaired by Shri K. S. Hosalikar, Head, CR&S, IMD, Pune with Dr. Larry Walker, Adjunct Professor, Michigan State University, USA and Dr. Parvathi J. R., Coordinator Research Promotion, Somaiya Vidyavihar University, Mumbai to discuss “Role, activities and Agrimet services of IMD” on 11<sup>th</sup> October 2022.
  - an online meeting on “Preparedness for winter weather season” chaired by Dr. M. Mohapatra, DG, IMD, New Delhi on 2<sup>nd</sup> December 2022.
- **Dr. Ashutosh Kumar Misra, Scientist-D, Agrimet Division, IMD, Pune** arranged a meeting, being Member Secretary, with the members of the committee to finalize the criteria and methodology for the verification of “Impact Based Forecast (IBF) for Agriculture” and “Subsequent week weather forecast” on 11<sup>th</sup> October 2022.
- **Smt. Priyanka Singh, Scientist-C, AASD, IMD, New Delhi** attended 11<sup>th</sup> Training Programme on “Science & Technology for Rural Societies” organized by DST for Women Scientists and Technologists during 19-23 December 2022.
- **Dr. Lobzang Stanzen, SMS (Agromet), DAMU, Reasi, Jammu & Kashmir** attended online International Conference on “Cryosphere and related hazards in High Mountain Asia in a Changing climate” at Almaty, Kazakhstan jointly organized by UNESCO, ICIMOD, Aga khan Agency for Habitat (AKAH), Govt. of Kazakhstan and CARGC during 1-4 November 2022.

## ***Lectures***

- **Dr. Kripan Ghosh, Scientist-F & Head, Agrimet Division, IMD, Pune** delivered an invited lecture on “Recent advances in Agromet Advisory Services in India” in National Training Programme on “Recent Advances in Agricultural Meteorology” organised by Centre of Advanced faculty Training in Agril. Meteorology (CAFT), College of Agriculture, Pune on 15<sup>th</sup> December 2022.
- **Dr. S. Goroshi, Scientist-E, AASD, IMD, New Delhi** delivered a lecture on “Agromet Advisory Services towards building Climate Smart Villages” in an online collaborative training program organized by MANAGE and PJTSAU during 12-13 October 2022.

- **Dr. Ashutosh Kumar Misra, Scientist-D, Agrimet Division, IMD, Pune** delivered a lecture on “IMD services for the farming community of the country” to the B.Tech. (Agri. Engg.) students and faculty members of Navsari Agricultural University, Gujarat on 15<sup>th</sup> December 2022.
- **Smt. Priyanka Singh, Scientist-C, AASD, IMD, New Delhi** delivered a lecture on “Basics of Agrometeorology” in Departmental Training of IMD on 15<sup>th</sup> December 2022.
- **Shri C. B. Kabadagi, Technical Officer, AMFU, Dharwad, Karnakaka** delivered an invited lecture on “Application of crop models in cropping systems research and Applications of crop models in developing best management practices” in National Training Programme on “Recent Advances in Agricultural Meteorology” organised by Centre of Advanced faculty Training in Agril. Meteorology (CAFT), College of Agriculture, Pune on 16th December 2022.
- **Dr Veena Sharma, Technical Officer, AMFU, Chatha, Jammu** presented a paper on “Minimizing Risk in Agriculture Using Weather Forecast based Agromet Advisory” in 30<sup>th</sup> Annual Conference of Agriculture Economics Research Association (AERA) on “Institutional Changes for Inclusive and Sustainable Agricultural Development” organized by Division of Agricultural Economics & Agri-Business Management, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-J) during 21-23 December 2022.
- **Shri Sevak Das, Nodal Officer, AMFU, Dantiwada, Gujarat** delivered a lecture on “Role of Weather Parameters and benefits of weather forecast in agriculture” in Inputs Dealer Talim organized by Sardarkrushinagar Dantiwada Agricultural University (SDAU), Sardarkrushinagar on 22<sup>nd</sup> December 2022.
- **Dr. Lobzang Stanzen, SMS (Agromet), DAMU, Reasi, Jammu & Kashmir** gave oral presentation on “Traditional wisdom of water in Leh Ladakh” during International Water Conference at Ujjain, Madhya Pradesh during 27-29 December 2022.
- **Dr. M. Vengateswari, SMS (Agromet), DAMU, Ramanathapuram, Tamil Nadu:**
  - delivered lectures on:
    - ✓ “Working principles of Automatic Weather Station (AWS) and Weather based Agromet Advisory Services” to the students of Sri Ramakrishna mission, Coimbatore at KVK, Ramanathapuram on 10<sup>th</sup> November 2022.
    - ✓ “Working principles of AWS and importance of weather forecasting” to the students from Pandit Jawaharlal Nehru College of Agriculture and Research Institute, Karaikal at KVK, Ramanathapuram on 18<sup>th</sup> December 2022.
  - gave presentation on “Trend analysis of precipitation on coastal region of Ramanathapuram” in International Conference on “Reimagining Rainfed Agro-ecosystems: Challenges & Opportunities” at CRIDA, Hyderabad during 22-24 December 2022.

## ***Publications***

- **Shri Sunil Nath Pandey, Nodal Officer and Shri Ajay Kumar, Technical Officer, AMFU Kanpur, Uttar Pradesh: S.N.Pandey, C.B. Singh, Naushad Khan, Karam Husain, Ajay Kumar, Shivam Mishra, S. K. Bal and A.V.M. Subba Rao. (2022). EI Nino Effect on Climatic Variability and Crop Production: A case study for Uttar Pradesh (pp. 1-61). Book Bulletin by Department of Agrometeorology, C.S. Azad University of Agriculture & Technology, Kanpur.**

- **Shri Ejaful Ahmed, SMS (Agromet), DAMU, Cachar, Assam:**
  - **Ejaful Ahmed**, A. Rahman, P. Choudhury, S. Saikia, N. Saikia, B. Nagaria and K. Dutta. (2022). Utilization of Agromet Advisory Bulletin for Enhancing Crop Yield of Paddy under Different Micro-Climatic Regimes. *Journal of Krishi Vigyan*, 11(1): 357-361.
  - **Book:** Objective Agrometeorology. (2022), Kalyani Publishers, ISBN-978-93-5540-022-2.
- **Dr. Yogesh Kumar SMS (Agromet), DAMU, Karnal, Haryana:**
  - Dharmender Singh and **Yogesh Kumar**. (2022). Use of ICT to Mitigate Climate Change Effect and Future Strategies for Food Security in Indo-Gangetic Plains. In: Choudhury, S. R. and Panda, C. K. (eds). Climate Change Dimensions and Mitigation Strategies for Agricultural Sustainability (Volume II) (pp. 269-285). New Delhi Publishers, New Delhi.
  - **Yogesh Kumar**, Munish Leharwan, R. K. Meena, Rakesh Kumar and Pankaj Kumar Saraswat. (2022). Climate Resilient Agriculture Techniques to Improve Adaptive Capacity of Sustainable Fodder Productions. In: Meena, R. K., Kumar, R., Ram, H. and Saxena, A. (eds). Basics of Climate-Smart Technologies of Fodder Production and Conservation (pp. 23-35). In-charge Agronomy Section ICAR-National Dairy Research Institute, Karnal, Haryana.
- **Dr. Dheeraj Singh, KVK Head and Dr. Bhola Ram Kuri, SMS (Agromet), DAMU, Pali, Rajasthan: Dheeraj Singh**, Mahendra Kumar Chaudhary, **Bhola Ram Kuri**, Chandan Kumar and Arvind Singh Tatarwal. (2022). Combating desertification through innovations in arid zone: Case study from Pali, India. *Journal of Arid Land Studies*, 32-S: 299-302.
- **Dr. Mamta, SMS (Agromet), DAMU, Kurukshetra, Haryana:**
  - **Mamta**, Ram Niwas, M L Khichar, Anurag, Anil Kumar and Sarita Rani. (2022). Artificial Rain Making Effectiveness, Does Cloud Seeding Really Work? In: Sharma, P. (eds). Research Trends in Environmental Science (Volume - 12) (pp. 29-40). AkiNik Publications, New Delhi.
  - **Mamta**, Ram Niwas, M L Khichar, Anurag and Anil Kumar. (2022). Effect of El Niño, La Niña and IOD on Indian Weather System. In: Sharma, P. (eds). Research Trends in Environmental Science (Volume - 12) (pp. 41-54). AkiNik Publications, New Delhi.
- **Dr. M. Vengateswari, SMS (Agromet), DAMU, Ramanathapuram, Tamil Nadu: M. Vengateswari**, S. Vallal Kannan, P. Balasubramanian and K. Elanchezhyan. Impact of Weather based Agro-Advisory Services on Upliftment of Farming Communities of Ramanathapuram District, Tamil Nadu [Extended summary]. In: First International Conference on “Reimagining Rainfed Agro-ecosystems: Challenges & Opportunities”, Indian Society of Dryland Agriculture, Hyderabad, 22-24 December, 2022, CRIDA, Hyderabad, Telangana.

## **Trainings**

- **Dr. S. S. Misal, SMS (Agromet), DAMU, Solapur, Maharashtra** attended 21-days National Training Programme on “Recent Advances in Agricultural Meteorology” organized by Centre of Advanced faculty Training in Agril. Meteorology (CAFT), College of Agriculture, Pune during 1-21 December 2022.
- **Smt. Gariyashi Tamuly, SMS (Agromet), DAMU, Baksa, Assam** participated in the following online courses:

- “Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System” during 22<sup>nd</sup> August to 25<sup>th</sup> November 2022 conducted by Indian Institute of Remote Sensing (IIRS), Dehradun.
  - “Advances in Monitoring and Modeling of Hydro-Meteorological Hazards using Geospatial Technology and Process based Models” during 5-9 December 2022 conducted by IIRS, Dehradun.
- **Shri Alok Kumar Pandey SMS (Agromet), DAMU, Lucknow, Uttar Pradesh** participated in online collaborative training program on “Agromet Advisory Services towards building Climate Smart Villages” conducted by MANAGE and PJTSAU during 12-13 October 2022.
- **Dr. Mamta, SMS (Agromet), DAMU, Kurukshetra, Haryana** participated in following training programmes:
- “Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System” during 22<sup>nd</sup> August to 25<sup>th</sup> November 2022 in virtual mode conducted by IIRS, Dehradun.
  - “Soft skills of extension professional” by the The Extension Education Institute (EEI), Nilokheri during 17-21 October 2022.
- **Shri H. Jakir Hussain, Head, KVK (DAMU), Puducherry** attended refresher training on “Recent Technologies in Agriculture with special focus on Natural Farming” organized for the Scientists of KVK of Tamil Nadu & Puducherry at TNAU, Coimbatore during 21-23 November 2022.
- **Dr. M. Vengateswari, SMS (Agromet), DAMU, Ramanathapuram, Tamil Nadu** participated in training programme on “Integrated crop management for rainfed rice” under TNIAMP scheme at S.V. Mangalam, Nainorkovil block, Ramanathapuram on 8<sup>th</sup> November 2022.
- **Shri Pradeep Kumar, SMS (Agromet), DAMU, Hanumangarh, Rajasthan** participated in 15 Days online International training cum Workshop on “The future of Farming Technology & Agripreneurship Development” organized by SKUAST Kashmir during 10-24 November 2022.

### ***Popularization of GKMS***

- **Dr. Bheem Pareek, SMS (Agromet), DAMU, Sirmaur, Himachal Pradesh** delivered a live TV Talk at Doordarshan Shimla on 1<sup>st</sup> December 2022.
- **Smt. K. Rathika, SMS (Agromet), DAMU, Vellore, Tamil Nadu** delivered a live Radio TV talk on “Weather based agricultural production technologies” at News On AIR on 16<sup>th</sup> November 2022.
- **Shri Harshkumar R. Pandya, SMS (Agromet), DAMU, Dahod, Gujarat** delivered a radio talk on “Krishi mausam sewao vishe ni mahiti” at AIR Godhra on 15<sup>th</sup> December 2022.
- **Shri C. B. Kabadagi, Technical Officer, AMFU, Dharwad, Karnakaka** delivered a talk on “Role of agricultural meteorology and weather forecasting on agriculture, GKMS Services, Mobile Apps for weather forecasting” at AIR, Dharwad on 19<sup>th</sup> December 2022.
- **Dr. M. Vengateswari, SMS (Agromet), DAMU, Ramanathapuram, Tamil Nadu** delivered following talks:





- “Importance of weather based Agro advisory services” at AIR, Madurai on 6<sup>th</sup> October 2022.
- “Climate change and Importance of weather forecasting and Weather based Agriculture” at Doordarshan Ramanathapuram on 28<sup>th</sup> November 2022.

## ***Achievement***

- **Dr. M. Vengateswari, SMS (Agromet), DAMU, Ramanathapuram, Tamil Nadu** received **Best poster presentation award** on “Traditional landraces and TNAU improved paddy varieties for drought and salinity condition” in the exhibition organized during the International Conference on “Reimagining Rainfed Agro-ecosystems: Challenges & Opportunities” at CRIDA, Hyderabad during 22-24 December 2022.



## ***Awareness Programme***

### ***Farmers Awareness Programme (FAP)***

Farmers' Awareness Programme (FAP) are being organized in different states by India Meteorological Department (IMD), Agromet Field Units (AMFUs) and District Agromet Units (DAMUs) with objectives of creating awareness about the usefulness of Agromet Advisory Services (AAS) and weather/climate information among the farming community and also to help to increase the interaction between the local farming communities and the Meteorological Centres (MCs), AMFUs and Krishi Vigyan Kendras (KVKs). Officers also explained the MEGHDOOT and DAMINI Application during the FAP. MEGHDOOT is a joint initiative of the IMD and Indian Council for Agriculture Research (ICAR) to bring high-resolution weather forecast-based Agromet Advisories to farmers in the vernacular. The MEGHDOOT App allows farmers and interested users to access these advisories in a user-friendly manner. Indian Institute of Tropical Meteorology (IITM), Pune developed a Mobile App called “DAMINI” to give alerts on impending lightning activity over the area and The DAMINI App is available from Play Stores. During the FAPs, mobile numbers of farmers were collected to register in mkisan portal.

AMFUs and DAMUs organized 332 FAPs during October to December 2022. 27 FAPs were organized by 10 AMFUs and 305 FAPs were organized by 66 DAMUs. The details have been given in Annexure I.

### ***Field visit***

Officers of IMD, AMFUs and DAMUs made field visits to monitor the standing crop coverage and Pests and Diseases attack on the standing crops and to suggest its control measures. They also made aware the farmers about the use of Weather-based Agromet Advisories and their importance in increasing farm productivity. They explained activities under the GKMS project to the farmers. Officers gave detailed information of Farmers' registration in m-kisan Portal and SMS service, the usefulness of MEGHDOOT application and DAMU project. The details of field visits during October to December 2021 have been provided in Annexure II.

### ***Other Awareness Programme***

AMFUs and DAMUs participated in different awareness programmes like Kisan Mela, seed day, World Soil day etc. to inform about activities under the GKMS project to the farmers. Officer of GKMS Unit

briefed about the usefulness of Agromet Advisory Bulletins, mKisan portal, and MEGHDOOT App. They displayed different types of charts that depicted the role of importance of agrometeorological information in Agricultural Sciences and for the farmers. Most of the Meteorological surface observation instruments were also put on display. During the melas, farmers were motivated to register themselves on mkisan portal. AMFUs/ DAMUs disseminated leaf let on Agromet Advisory Services and create awareness about the Climate Smart Agriculture and Use of Digital Gadgets.

### **Other Awareness Programme conducted during the period:**

- **DAMU, Mandya, Karnataka** conducted training programme for B.Sc. Agriculture students of College of Agriculture, Bangalore and Chamarajanagara on 8<sup>th</sup> and 14<sup>th</sup> December 2022, respectively. Smt. Arpitha S. N., SMS (Agromet) explained about IMD, GKMS Scheme and activities of DAMU project, use of various weather based mobile applications (MEGHDOOT, DAMINI, MAUSAM) and utilization of AAS Bulletins. Total 80 students have attended the programme. 
- **DAMU, KVK Waghai, Dang, Gujarat** celebrated Technology week at Sati village, Ahwa block, Dang district on 19<sup>th</sup> December and at Chichond village, Waghai block, Dang district on 22<sup>nd</sup> December 2022. Shri S. N. Chaudhari, SMS (Agromet) gave brief information about Agromet advisory bulletin, use of weather information and MEGHDOOT & DAMINI Mobile Apps. About 44 and 40 farmers participated in the event of Sati village and Chichond village respectively. 
- **DAMU, Bagalkote, Karnataka** participated in Horticulture fest (Totagarike mela) organized by UHS, Bagalkote during 29-31 December 2022 at Bagalkote. Shri. Basavaraj Nagalikar, SMS (Agromet) and Shri Sunil Lamani (Agromet Observer) explained the farmers about activities of DAMU and importance of MEGHDOOT, DAMINI and MAUSAM Apps. 
- **DAMU, Sirmaur, Himachal Pradesh** celebrated World Soil Day with theme “Where food begins?” at KVK Dhaulakuan on 3<sup>rd</sup> December 2022.
- **DAMU, North 24 Parganas, West Bengal** conducted training on *Boro* rice cultivation for RAW students at KVK, North 24 Parganas on 16<sup>th</sup> November 2022. They were explained about Agromet Advisory Bulletin, DAMU activities and MEGHDOOT & DAMINI App. 
- **DAMU, Cachar, Assam** organized Farmers-Scientist interaction at Sridharpur, Salchapra block, Cachar district to discuss “mitigation on weather hazards in agriculture, pest and diseases in the major crops” on 17<sup>th</sup>, 19<sup>th</sup> & 20<sup>th</sup> November 2022. 
- **DAMU, Mokokchung, Nagaland** celebrated World Soil Day at Khar village, Mangkolemba block, Mokokchung district on 5<sup>th</sup> December 2022. Smt. Ningshiyangerla Walling, SMS (Agromet) gave information on Importance of AgroMet in the perspective of Agriculture and use of MEGHDOOT mobile app.



➤ **DAMU, Purulia, West Bengal** participated in “Animal Resource Development Fair- 2022” during 13-14 December 2022. Shri. Sudipta Thakur, SMS (Agromet) explained role of weather information in Livestock farming to 556 visitors.



➤ **DAMU, Haveri, Karnataka:**

- conducted 45<sup>th</sup> Scientific Advisory Committee (SAC) meeting on 31<sup>st</sup> October 2022. DAMU newsletter “**MEGHA SANDESHA**” was released by Dr. P.L. Patil, Hon’ble Vice-Chancellor UAS, Dharwad. DAMU activities were also explained during the occasion.
- organized District Level “Cashew Crop Seminar”. During the event Dr. Venkatesh N. Hubli, Director Cashewnut and Cocoa Development (DCCD), Cochin, Kerala visited to agricultural museum of KVK Haveri. Dr. Ashoka P., Senior Scientist and Head explained DAMU activities and mobile apps viz. MEGHDOOT and DAMINI.



➤ **AMFU, Thrissur, Kerala** disseminated Weekly Agromet Advisory bulletins for Thrissur district every Tuesday in video mode through YouTube channel in collaboration with Centre of E-Learning, KAU, Thrissur.



➤ **DAMU, Murshidabad, West Bengal** participated in Kisan Mela on “Jal shakti Abhiyan and Judicious use of ground water” at Bhagwangola-1 block on 26<sup>th</sup> November 2022.

➤ **DAMU, Kupwara, Jammu & Kashmir** participated in Kisan Mela at Galizoo village, Kupwara on 17<sup>th</sup> November and at KVK Kupwara on 18<sup>th</sup> November 2022. During the programme Smt. Roman Nissar, SMS (Agromet) explained Agrometrological Services and MEGHDOOT App. About 305 farmers visited the stall of KVK Kupwara.



➤ **DAMU, Kurukshetra, Haryana** participated in Kisan Mela at KVK on 25<sup>th</sup> November 2022. Dr. Mamta, SMS (Agromet) explained role of weather forecast in agriculture to 205 visitors.

➤ **DAMU, Surat, Gujarat** celebrated World Soil Day in Damka village, Choryasi, Surat on 5<sup>th</sup> December 2022. Shri Abhinav N. Patel, SMS (Agromet) explained different activities of DAMU, weather forecasting, Agromet Advisory Services etc. Total 80 farmers attended the programme.

➤ **AMFU, Dharwad, Karnataka** celebrated World Soil Health Day at Garag, Dharwad on 5<sup>th</sup> December 2022. Officers explained GKMS Services and Mobile Apps MEGHDOOT and DAMINI.



➤ **AMFU, Dharwad, Karnataka** conducted following **DAESI Trainings** and explained about GKMS Services and Mobile Apps MEGHDOOT & DAMINI:

- at Kumbapur, Dharwad on 6<sup>th</sup> October 2022.
- at ISARD, Dharwad on 21<sup>st</sup> October 2022.
- at Department of Agricultural Extension, UAS, Dharwad on 20<sup>th</sup> November 2022.
- at College of Horticulture, Arabhavi, UHS, Bagalkote on 3<sup>rd</sup> December 2022.
- at Hadagali Agril Extension Education Centre on 10<sup>th</sup> December 2022.
- at RHREC, Kumbapur, UHS, Bagalkote on 15<sup>th</sup> December 2022.



- at Dharwad Karnataka Historical Research Society (KHRS), Dharwad on 15<sup>th</sup> December 2022.

➤ **DAMU, Aurangabad, Maharashtra:**

- actively participated in MahaAgro Exhibition during 17-21 November and in Jay Babaji Agri Exhibition at Verul, Khultabad Tq., Aurangabad district during 30 November to 5 December 2022. SMS (Agromet) gave information about Agromet Advisory Bulletin as well as MEGHDOOT & DAMINI Apps.
- 35 farmers from Madhya Pradesh visited to KVK Aurangabad on 23<sup>rd</sup> December 2022 and awared about GKMS activities and Agro-AWS.



➤ **DAMU, Ramanathapuram, Tamil Nadu:**

- participated in State level Farmers Day-Exhibition at AC and RI, Madurai on 15<sup>th</sup> October 2022. Officers explained Weather based Agro advisory services to the visitors.
- participated in Biodiversity fair and Pradhan Mantra Kisan Sammelan at KVK, Ramanathapuram on 17th October 2022. Officers explained Importance of Weather based Agromet Advisory Services to 125 participants.
- celebrated World soil day at KVK, Ramanathapuram on 5<sup>th</sup> December 2022. Dr. M. Vengateswari, SMS (Agromet) explained “Weather based Agro Advisory Services” to the participants.
- organized Farmers scientist interaction meet at KVK, Ramanathapuram on 6<sup>th</sup> December 2022. SMS (Agromet) explained Importance of Agro Advisory Services.



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## Photos of FAP

			
<b>FAP by AMFU, Kalyani, West Bengal</b>	<b>FAP by AMFU, Dantiwada, Gujarat</b>	<b>FAP by AMFU, Roorkee, Uttarakhand</b>	<b>FAP by AMFU, Kharagpur, West Bengal</b>
			
<b>FAP by DAMU, Solapur, Maharashtra</b>	<b>FAP by DAMU, Dang, Gujarat</b>	<b>FAP by DAMU, Mandya, Karnataka</b>	<b>FAP by DAMU, Pudukkottai, Tamil Nadu</b>
			
<b>FAP by DAMU, Jamnagar, Gujarat</b>	<b>FAP by DAMU, Baksa, Assam</b>	<b>FAP by DAMU, Ganjam, Odisha</b>	<b>FAP by DAMU, Khunti, Jharkhand</b>
			
<b>FAP by DAMU, Mandi, Himachal Pradesh</b>	<b>FAP by DAMU, Reasi, Jammu &amp; Kashmir</b>	<b>FAP by DAMU, Dahod, Gujarat</b>	<b>FAP by DAMU, Shahdol, Madhya Pradesh</b>
			
<b>FAP by DAMU, Rayagada, Odisha</b>	<b>FAP by DAMU, Karnal, Haryana</b>	<b>FAP by DAMU, Ropar, Punjab</b>	<b>FAP by DAMU, Pali, Rajasthan</b>
			
<b>FAP by DAMU, Vellore, Tamil Nadu</b>	<b>FAP by DAMU, Namsai , Arunachal Pradesh</b>	<b>FAP by DAMU, Lucknow, Uttar Pradesh</b>	<b>FAP by DAMU, Kollam, Kerala</b>
			
<b>FAP by DAMU, Cachar, Assam</b>	<b>FAP by DAMU Barddhaman, West Bengal</b>	<b>FAP by DAMU, Haveri, Karnataka</b>	<b>FAP by DAMU, Kurukshetra, Haryana</b>



## Photos of Field visit and other programme

			
Field visit by AMFU, Roorkee, Uttarakhand	Field visit by AMFU, Khargone, Madhya Pradesh	Field visit by AMFU, Kakdwip, West Bengal	Field visit by AMFU, Kalyani, West Bengal
			
Field visit by AMFU, Thrissur, Kerala	Field visit by AMFU, Anand, Gujarat	Field visit by AMFU, Seobagh, Himachal Pradesh	Field visit by DAMU, North 24 Parganas, West Bengal
			
Field visit by DAMU, Gaya, Bihar	Field visit by DAMU, Kupwara, Jammu & Kashmir	Field visit by DAMU, Lucknow, Uttar Pradesh	Field visit by DAMU, Barpeta, Assam
			
Field visit by DAMU, Pudukkottai, Tamil Nadu	Field visit by DAMU, Jamnagar, Gujarat	Field visit by DAMU, Yadgir, Karnataka	Field visit by DAMU, Jashpur, Chhattisgarh
			
Field visit by DAMU, Rayagada, Odisha	Field visit by DAMU, Namsai, Arunachal Pradesh	Field visit by DAMU, Sonipat Haryana	Field visit by DAMU, Sirmaur, Himachal Pradesh
			
Field visit by DAMU, Khunti, Jharkhand	Field visit by DAMU, Puducherry, Puducherry	Field visit by DAMU, Cachar, Assam	Field visit by DAMU, Gajapati, Odisha
			
Field visit by DAMU, Purulia, West Bengal	Field visit by DAMU, Dahod Gujarat	Field visit by DAMU, Vellore, Tamil Nadu	Field visit by DAMU, Solapur, Maharashtra

### **Annexure I**

#### **Total 27 FAPs conducted by 10 AMFUs during the period 01-10-2022 and 31-12-2022**

Name of the State	Name of AMFU	Name of the District	Name of the Block	Name of the Village	Date of FAP	No of Farmers Attended FAP	No. of Farmers using Meghdoot App
Assam	AMFU_Gosaigaon	Bongaigaon	Boitamari	Abayapuri	17-11-2022	25	11
Gujarat	AMFU_Dantiwada	Banaskantha	Dantivada	Nilpur	13-10-2022	15	9
Jammu and Kashmir	AMFU_Rajouri	Rajouri	Budhal	Budhal	16-12-2022	70	21
	AMFU_Srinagar	Pulwama	Pulwama	Malangpora	17-11-2022	30	18
Karnataka	AMFU_Brahamavar	Udupi	Kundapura	Trasi	01-12-2022	25	8
		Udupi	Kundapura	Hosadu	03-12-2022	28	12
		Udupi	Kundapura	Hemmadi	05-12-2022	23	4
		Udupi	Kundapura	Ulluru	08-12-2022	41	14
		Udupi	Udupi	Shankaranarayana	10-12-2022	26	12
		Udupi	Kundapura	Kakkunje	12-12-2022	32	8
		Udupi	Kundapura	Siddapura	14-12-2022	29	11
		Udupi	Kundapura	Hosangadi	15-12-2022	25	6
		Udupi	Kundapura	Ajjri	16-12-2022	35	5
		Udupi	Karkal	Iruvatturu	17-12-2022	81	16
		Udupi	Kundapura	Yadamogge	19-12-2022	22	5
		Udupi	Kundapura	Japthi	20-12-2022	93	21
		Udupi	Kundapura	Hattiyangadi	20-12-2022	23	3
		Udupi	Udupi	Keradi	21-12-2022	26	7
		Udupi	Udupi	Hanehalli	23-12-2022	89	23
		Udupi	Kundapura	Alloru	26-12-2022	28	6
		Udupi	Udupi	Heroor	28-12-2022	46	19
	AMFU_Naganhalli	Mysuru	Mysuru	Naganahalli	12-12-2022	20	5
		Mysuru	Mysuru	Naganahalli	21-12-2022	30	8
	AMFU_Naveli	Shivamogga	Shimoga	Navile	06-11-2022	50	45
Uttar Pradesh	AMFU_Bharari	Jhansi	Badagaon	Bharari	28-11-2022	30	20
West Bengal	AMFU_Kalyani	Nadia	Tehatta-I	Ada Office	22-12-2022	31	2
	AMFU_Kharagpur	Paschim Medinipur	Kharagpur-I	Agfe IIT Kharagpur	15-12-2022	25	8

#### **Total 305 FAPs conducted by 66 DAMUs during the period 01-10-2022 and 31-12-2022**

Name of the State	Name of DAMU	Name of the District	Name of the Block	Village Name	Date of FAP	No of Farmers Attended FAP	No. of Farmers using Meghdoot App
Arunachal Pradesh	DAMU_Namsai	Namsai	Chowkham	Momong	11-11-2022	23	5
		Namsai	Chowkham	Chowkham Iii	05-12-2022	35	8
Assam	DAMU_Barpeta	Barpeta	Bajali	Banglipara	28-10-2022	22	6
		Barpeta	Bajali	Anandpur	30-12-2022	19	8
	DAMU_Cachar	Cachar	Salchapra	Ugstc Road	19-10-2022	34	7
		Cachar	Sonai	Saidpur Part3	19-11-2022	42	8
		Cachar	Salchapra	Ugstc Road	29-12-2022	50	9
Bihar	DAMU_Banka	Banka	Banka	Karipathar	29-10-2022	34	0
	DAMU_Nawada	Nawada	Hisua	Bagodar	03-11-2022	33	7
		Nawada	Hisua	Dona	10-11-2022	25	5



		Nawada	Hisua	Gondra	12-12-2022	34	7
		Nawada	Hisua	Nandlal Bigha	19-12-2022	22	5
		Nawada	Sirdala	Sirdala	22-12-2022	28	7
Gujarat	DAMU_Dahod	Dahod	Dohad	Nawagam	11-10-2022	17	13
		Dahod	Limkheda	Gamla	12-10-2022	17	9
		Dahod	Sanjeli	Valunda	02-11-2022	24	11
		Dahod	Jhalod	Nani Handi	19-11-2022	27	15
		Dahod	Fatehpura	Ghughas	21-11-2022	29	14
		Dahod	Garbada	Nandva	23-11-2022	35	16
		Dahod	Dohad	Retiya	12-12-2022	109	44
		Dahod	Sanjeli	Pratappura	13-12-2022	60	31
		Dahod	Jhalod	Thala	13-12-2022	96	47
		Dahod	Singvad	Humadpur	14-12-2022	81	37
		Dahod	Limkheda	Shashta	14-12-2022	92	48
		Dahod	Fatehpura	Ballaiya	16-12-2022	92	44
		Dahod	Dohad	Dashala	17-12-2022	104	53
		Dahod	Garbada	Bhe	17-12-2022	70	34
		Dahod	Garbada	Nadhelav	18-12-2022	60	27
		Dahod	Sanjeli	Mota Kaliya	19-12-2022	60	23
		Dahod	Jhalod	Simaliya	19-12-2022	98	47
		Dahod	Limkheda	Umedpura	20-12-2022	81	39
		Dahod	Singvad	Borgota	20-12-2022	76	33
		Dahod	Devghadbaria	Chhasiya	21-12-2022	61	36
		Dahod	Dhanpur	Khalta Garbadi	21-12-2022	60	28
		Dahod	Dhanpur	Vedh	23-12-2022	71	43
	DAMU_Dang	Dangs	Ahwa	Pipalaydevi	10-10-2022	25	9
	DAMU_Jamnagar	Jamnagar	Kalavad	Mota Vadala	05-12-2022	63	0
	DAMU_Narmada	Narmada	Dediyapada	Kvk Dediyapada	13-10-2022	18	6
		Narmada	Dediyapada	Kvk Dediyapada	06-12-2022	23	5
		Narmada	Dediyapada	Kvk Dediyapada	08-12-2022	30	8
	DAMU_Surat	Surat	Mandvi	Limdha	20-10-2022	31	0
		Surat	Mahuva	Vasrai	10-11-2022	15	0
		Surat	Chorasi	Damka	05-12-2022	80	2
		Surat	Mahuva	Umra	14-12-2022	30	0
Haryana	DAMU_Ambala	Ambala	Saha	Krishi Vigyan Kendra	16-11-2022	37	2
		Ambala	Saha	Toba	17-11-2022	40	2
	DAMU_Jhajjar	Jhajjar	Jhajjar	At Kvk Premises	17-11-2022	30	12
		Jhajjar	Jhajjar	At Kvk Premises	24-11-2022	27	1
		Jhajjar	Jhajjar	At Kvk Premises	15-12-2022	23	2
		Jhajjar	Badli	At Kvk Premises	15-12-2022	23	4
		Jhajjar	Jhajjar	At Kvk Premises	28-12-2022	25	9
		Jhajjar	Jhajjar	At Kvk Premises	30-12-2022	20	15
		Jhajjar	Jhajjar	At Kvk Premises	30-12-2022	20	15
	DAMU_Jind	Jind	Jind	Shahpur	06-10-2022	47	5
		Jind	Jind	Pandu Pindara	12-10-2022	39	3
		Jind	Jind	Pandu Pindara	14-10-2022	37	4
		Jind	Jind	Jamini	21-10-2022	300	39
		Jind	Jind	Pandu Pindara	17-11-2022	17	1
		Jind	Jind	Asharfgarh	21-11-2022	9	0

		Jind	Jind	Pandu Pindara	21-12-2022	55	3
	DAMU_Kurukshetra	Kurukshetra	Thanesar	Air Parsar Bharti	03-10-2022	99	10
		Kurukshetra	Thanesar	Kvk Premises	03-10-2022	35	6
		Kurukshetra	Thanesar	Crs	04-10-2022	99	9
		Kurukshetra	Thanesar	Kvk Premises	10-10-2022	35	6
		Kurukshetra	Thanesar	Kvk Premises	11-10-2022	55	6
		Kurukshetra	Thanesar	Community Radio Station	02-11-2022	99	6
		Kurukshetra	Thanesar	Dhurala	03-11-2022	65	6
		Kurukshetra	Thanesar	Air Parsar Bharti	04-11-2022	95	3
		Kurukshetra	Thanesar	Kvk	10-11-2022	25	3
		Kurukshetra	Thanesar	Kvk Premises	10-11-2022	25	3
		Kurukshetra	Thanesar	Kvk Kurukshetra	10-11-2022	25	4
		Kurukshetra	Thanesar	Kvk	14-11-2022	63	6
		Kurukshetra	Thanesar	Kvk Premises	15-11-2022	52	6
		Kurukshetra	Thanesar	Kvk Kurukshetra	16-11-2022	71	4
		Kurukshetra	Thanesar	Kvk	21-11-2022	60	3
		Kurukshetra	Thanesar	Lukhi	22-11-2022	95	3
		Kurukshetra	Thanesar	Kvk Premises	24-11-2022	60	3
		Kurukshetra	Thanesar	Kvk	25-11-2022	95	9
		Kurukshetra	Thanesar	Crs	01-12-2022	99	23
		Kurukshetra	Thanesar	Air	02-12-2022	95	23
		Kurukshetra	Thanesar	Kvk Premises	03-12-2022	30	3
		Kurukshetra	Thanesar	Kvk Premises	05-12-2022	30	3
		Kurukshetra	Thanesar	Kanpur Kolia	07-12-2022	30	3
		Kurukshetra	Thanesar	Haripur	08-12-2022	30	3
		Kurukshetra	Thanesar	Kvk Premises	20-12-2022	30	5
	DAMU_Sonipat	Sonipat	Gohana	Puthi	25-10-2022	100	75
		Sonipat	Sonipat	Kvk Campus	30-11-2022	52	40
Himachal Pradesh	DAMU_Mandi	Mandi	Sundarnagar	Harabag	16-12-2022	20	3
	DAMU_Sirmaur	Sirmaur	Nahan	Satiwala	23-12-2022	20	6
		Sirmaur	Paonta-Sahib	Ghunglo	27-12-2022	20	4
Jammu and Kashmir	DAMU_Baramulla	Baramulla	Baramulla	Kunzer	07-10-2022	20	3
		Baramulla	Kunzer	Kunzer	07-10-2022	20	3
	DAMU_Kupwara	Kupwara	Drugmulla	Bramri	09-12-2022	28	3
		Kupwara	Kupwara	Regipora	22-12-2022	28	4
		Kupwara	Hayhama	Handwara	27-12-2022	28	3
Jharkhand	DAMU_Godda	Godda	Godda	Godda	02-10-2022	35	2
		Godda	Pathargama	Belsar	13-10-2022	13	0
		Godda	Pathargama	Dhibabandh	13-10-2022	29	3
		Godda	Godda	Kvk	17-10-2022	259	10
		Godda	Meharma	Balbadda	25-10-2022	61	4
		Godda	Poraiyahat	Beltuppa	29-10-2022	40	1
		Godda	Sundarpahari	Mahuatanr	02-11-2022	62	2
		Godda	Godda	Kvk	26-11-2022	15	0
		Godda	Godda	Aws Kvk Godda	05-12-2022	48	5
		Godda	Basantray	Jahajkitta	14-12-2022	74	5
		Godda	Godda	Gvt Kvk	15-12-2022	25	5
	DAMU_Gumla	Gumla	Ghaghra	Kohipath	15-10-2022	30	11

	DAMU_Khunti	Khunti	Torpa	Kanakloya	28-10-2022	25	0
		Khunti	Khunti	Belwadag Jamuwadag Kunjla Ghunsuli	25-11-2022	25	0
		Khunti	Rania	Degree	05-12-2022	75	0
		Khunti	Rania	Baghiya Tutikel Kulap Bilkidura	08-12-2022	75	0
		Khunti	Karra	Different Village In Karra	23-12-2022	65	10
	DAMU_Ramgarh	Ramgarh	Mandu	Badgaon	17-10-2022	93	23
Karnataka	DAMU_Bagalkot	Bagalkote	Mudhol	Marikatti	07-10-2022	12	2
		Bagalkote	Bagalkot	Kvk Bagalkote	12-10-2022	36	8
		Bagalkote	Bagalkot	Kvk Bagalkote	03-11-2022	20	8
		Bagalkote	Bagalkot	Allur Sp	10-11-2022	20	4
		Bagalkote	Bagalkot	Kvk Bagalkote	17-11-2022	28	4
		Bagalkote	Bagalkot	Kvk Bagalkote	22-11-2022	20	4
		Bagalkote	Bagalkot	Kvk Bagalkote	06-12-2022	20	3
		Bagalkote	Hungund	Budhihal Sk	06-12-2022	20	4
		Bagalkote	Bagalkot	Kvk Bagalkote	14-12-2022	36	4
		Bagalkote	Bagalkot	Allur Sp	20-12-2022	20	4
	DAMU_Chikkamagaluru	Chikkamagaluru	Koppa	Koppa	08-11-2022	30	2
		Chikkamagaluru	Chickmagaluru	Bettadamalali	14-11-2022	28	0
		Chikkamagaluru	Mudigere	Bankal	19-11-2022	15	0
		Chikkamagaluru	Chickmagaluru	Chikkamagaluru	16-12-2022	39	0
		Chikkamagaluru	Chickmagaluru	Chikkamagaluru	24-12-2022	40	0
	DAMU_Haveri	Haveri	Ranebennur	Kvk Haveri	14-10-2022	35	35
		Haveri	Ranebennur	Kvk Haveri	29-10-2022	30	10
		Haveri	Ranebennur	Kvk Haveri	25-11-2022	35	30
		Haveri	Ranebennur	Kvk Haveri	29-11-2022	80	15
		Haveri	Ranebennur	Kvk Haveri	13-12-2022	40	7
		Haveri	Ranebennur	Kvk Haveri	22-12-2022	80	10
		Haveri	Haveri	Haveri	23-12-2022	50	15
	DAMU_Kolar	Kolar	Kolar	Icar Kvk Kolar	21-11-2022	48	20
		Kolar	Kolar	Icar Kvk Kolar	22-11-2022	70	50
		Kolar	Kolar	Icar Kvk Kolar	29-11-2022	80	45
	DAMU_Koppal	Koppal	Gangavathi	Kvk Gangavathi	11-10-2022	30	15
		Koppal	Gangavathi	Kvk Gangavathi	17-10-2022	70	60
		Koppal	Gangavathi	Kvk Gangavathi	21-10-2022	30	15
		Koppal	Gangavathi	Kvk Gangavathi	27-10-2022	45	25
		Koppal	Gangavathi	Kvk Gangavathi	02-11-2022	25	12
	DAMU_Mandya	Mandya	Mandya	V C Farm	01-10-2022	20	1
		Mandya	Mandya	V C Farm	03-10-2022	20	1
		Mandya	Mandya	V C Farm	10-10-2022	30	3
		Mandya	Mandya	V C Farm	14-10-2022	29	10
		Mandya	Mandya	V C Farm	16-11-2022	19	5
		Mandya	Mandya	V C Farm	17-11-2022	30	5
		Mandya	Mandya	V C Farm	22-11-2022	40	5
		Mandya	Mandya	V C Farm	23-11-2022	30	10
		Mandya	Mandya	V C Farm	08-12-2022	40	15
		Mandya	Mandya	V C Farm	14-12-2022	40	16
	DAMU_Yadgir	Yadgir	Shorapur	Kwadimatti	13-12-2022	65	55

Madhya Pradesh	DAMU_Ashoknagar	Ashoknagar	Ashoknagar	Mathner Chak	12-10-2022	24	15
		Ashoknagar	Ashoknagar	Mathner Chak	14-12-2022	20	10
	DAMU_Balaghat	Balaghat	Kirnapur	Badgaon	22-10-2022	23	10
		Balaghat	Lanji	Karnja	09-12-2022	37	13
		Balaghat	Kirnapur	Pala	30-12-2022	57	17
	DAMU_Barwani	Barwani	Pati	Choki	07-12-2022	55	55
		Barwani	Pati	Choki	17-12-2022	50	43
	DAMU_Guna	Guna	Aron	KVK	05-11-2022	69	12
		Guna	Aron	KVK	05-12-2022	38	9
		Guna	Aron	KVK	08-12-2022	60	13
		Guna	Aron	KVK	18-12-2022	43	8
		Guna	Bamori	Kherkhedi	27-12-2022	37	5
		Guna	Aron	KVK	29-12-2022	79	17
		Guna	Bamori	Amroda	30-12-2022	42	11
	DAMU_Khandwa	East Nimar	Khandwa	Kvk	03-10-2022	15	9
		East Nimar	Khandwa	Kvk	10-10-2022	15	8
		East Nimar	Khandwa	Janpad Office	17-10-2022	30	6
		East Nimar	Khandwa	Kvk	19-10-2022	40	15
		East Nimar	Khandwa	Kvk	20-10-2022	35	12
		East Nimar	Khandwa	Kvk	28-10-2022	25	8
		East Nimar	Khandwa	Kvk	09-11-2022	20	11
		East Nimar	Khandwa	Kvk	14-11-2022	25	15
		East Nimar	Khandwa	Kvk	21-11-2022	8	5
		East Nimar	Khandwa	Kvk	28-11-2022	12	8
		East Nimar	Khandwa	Ngo (Sewa)	30-11-2022	120	15
		East Nimar	Punasa	Bangarda	05-12-2022	30	5
		East Nimar	Khandwa	Kvk	06-12-2022	15	9
		East Nimar	Khandwa	Kvk (Atma)	09-12-2022	50	15
		East Nimar	Khandwa	Kvk (Atma)	12-12-2022	25	12
		East Nimar	Khandwa	Kvk	12-12-2022	30	20
		East Nimar	Khandwa	Kvk	19-12-2022	20	10
		East Nimar	Khandwa	Kvk (Itc)	21-12-2022	30	12
		East Nimar	Khandwa	Kvk (Horticulture)	23-12-2022	25	10
		East Nimar	Khandwa	Kvk	27-12-2022	15	9
		East Nimar	Khandwa	Kolgaon	31-12-2022	25	3
		East Nimar	Khandwa	Rangaon	31-12-2022	20	5
		East Nimar	Khandwa	Dhorani	31-12-2022	35	8
	DAMU_Shahdol	Shahdol	Gohparu	Chuhri	06-10-2022	32	5
		Shahdol	Sohagpur	Kalyanpur	11-10-2022	36	7
		Shahdol	Sohagpur	Kalyanpur	17-10-2022	38	7
		Shahdol	Burhar	Navgai	10-11-2022	61	8
		Shahdol	Sohagpur	Kalyanpur KVK	16-11-2022	36	6
		Shahdol	Sohagpur	Kalyanpur KVK	23-11-2022	18	5
		Shahdol	Burhar	Jarwahi	06-12-2022	42	9
		Shahdol	Sohagpur	Pipariya	15-12-2022	26	6
		Shahdol	Sohagpur	Pathra	19-12-2022	28	8
	DAMU_Shivpuri	Shivpuri	Kolaras	Sangeswar	23-11-2022	23	12
		Shivpuri	Kolaras	Khareh	23-11-2022	25	6

Maharashtra	DAMU_Amravati	Amravati	Daryapur	Khirghawan	12-10-2022	15	2
		Amravati	Nandgaon-Kh	Durgapur	17-10-2022	30	5
		Amravati	Anjangaon-S	Durgapur	17-10-2022	24	3
		Amravati	Tiwsa	Durgapur	17-10-2022	28	4
		Amravati	Bhatkuli	Durgapur	17-10-2022	27	4
		Amravati	Amravati	Durgapur	17-10-2022	26	4
		Amravati	Morshi	Durgapur	17-10-2022	30	5
		Amravati	Dharni	Durgapur	17-10-2022	25	3
		Amravati	Dhamangaon-Ril	Durgapur	17-10-2022	29	4
		Amravati	Daryapur	Durgapur	17-10-2022	28	5
		Amravati	Chikhaldara	Durgapur	17-10-2022	28	4
		Amravati	Achalpur	Durgapur	17-10-2022	35	4
		Amravati	Chandur-Ril	Durgapur	17-10-2022	25	4
		Amravati	Chandur-Bz	Durgapur	17-10-2022	28	5
		Amravati	Warud	Durgapur	17-10-2022	27	4
		Amravati	Bhatkuli	Hartala	03-11-2022	30	4
		Amravati	Nandgaon-Kh	Morgaon	26-11-2022	39	6
		Amravati	Bhatkuli	Durgapur	05-12-2022	27	3
		Amravati	Amravati	Borgaon	21-12-2022	10	1
		Amravati	Nandgaon-Kh	Durgapur	23-12-2022	45	6
	DAMU_Aurangabad	Aurangabad	Phulambir	Talegaon	23-11-2022	65	8
	DAMU_Buldhana	Buldhana	Chikhli	Mahimal	19-11-2022	80	15
		Buldhana	Buldana	Kvk Buldhana	22-12-2022	22	5
	DAMU_Nandurbar	Nandurbar	Akkalkuwa	Dab	17-11-2022	16	9
		Nandurbar	Shahada	Shahada	19-11-2022	17	11
		Nandurbar	Navapur	Navapur	01-12-2022	47	13
		Nandurbar	Nandubar	Nandurbar	02-12-2022	246	103
		Nandurbar	Nandubar	Nandurbar	21-12-2022	26	13
	DAMU_Palghar	Palghar	Dahanu	Murbad	28-10-2022	52	44
		Palghar	Dahanu	Saravali	31-10-2022	50	38
		Palghar	Dahanu	Vaki	03-11-2022	28	15
		Palghar	Palghar	Palghar	13-12-2022	20	12
	DAMU_Solapur	Solapur	Mohol	Mohol	10-10-2022	54	21
		Solapur	Malshiras	Natepute	20-10-2022	21	9
		Solapur	Karmala	Kumbhej	14-11-2022	17	6
		Solapur	Malshiras	Lavang	24-11-2022	15	7
Meghalaya	DAMU_West_Khasi_Hills	West Khasi Hills	Nongstoin	Pyndenglawar	16-11-2022	16	8
		West Khasi Hills	Mawthadraishan	Umkrem	01-12-2022	24	14
		West Khasi Hills	Mawthadraishan	Wahliewlong	14-12-2022	23	13
Nagaland	DAMU_Kiphire	Kiphire	Pungro	Moya	11-11-2022	55	6
		Kiphire	Pungro	Moya	22-11-2022	30	4
		Kiphire	Pungro	Amikiuro	22-11-2022	30	4
	DAMU_Mokokchung	Mokokchung	Mangkolemba	Waromung	16-11-2022	38	19
		Mokokchung	Longchem	Nokpu	17-11-2022	23	13
Odisha	DAMU_Rayagada	Rayagada	Gunupur	Kalma	05-11-2022	30	21
		Rayagada	Gunupur	Chalkhamba	18-11-2022	45	33
Punjab	DAMU_Barnala	Barnala	Barnala	Badra	18-10-2022	35	2
	DAMU_Ferozepur	Ferozepur	Firozpur	Kvk Ferozepur	05-12-2022	35	20



Rajasthan		Pali	Pali	Vaderwas And Shivpura	17-10-2022	27	2
	DAMU_Pali	Pali	Bali	Nadia And Khetarli	09-11-2022	20	0
Tamil Nadu	DAMU_Cuddalore	Cuddalore	Vriddhachalam	Kvk Vriddhachalam	07-11-2022	45	4
		Cuddalore	Vriddhachalam	Kvk Vriddhachalam	23-12-2022	99	32
		Cuddalore	Vriddhachalam	Kvk Vriddhachalam	28-12-2022	35	4
	DAMU_Ramanathapuram	Ramanathapuram	Mandapam	Kaarikootam	17-10-2022	125	15
		Ramanathapuram	Ramanathapuram	Ramanathapuram	17-10-2022	125	14
		Ramanathapuram	Nainarkoil	S V Mangalam	08-11-2022	50	6
		Ramanathapuram	Kdalai	Kadukusanthai	17-11-2022	45	4
		Ramanathapuram	Mandapam	Kuyavankudi	05-12-2022	89	9
		Ramanathapuram	Mandapam	Kuyavankudi	06-12-2022	60	8
	DAMU_Tiruvallur	Tiruvallur	Ellapvur	Thumpakkam	28-11-2022	32	5
		Tiruvallur	Ellapvur	Sengarai	29-11-2022	40	2
		Tiruvallur	Ellapvur	Punnapakkam	05-12-2022	45	0
		Tiruvallur	Tiruvallur	Tirur	19-12-2022	25	2
		Tiruvallur	Gummidipundi	Edur	29-12-2022	41	2
	DAMU_Trichy	Tiruchirappalli	Lalgudi	Kilikodu	06-10-2022	16	4
		Tiruchirappalli	Lalgudi	Vinayagapuram	02-11-2022	25	6
		Tiruchirappalli	Andanallur	Sirugamani	14-12-2022	25	7
		Tiruchirappalli	Andanallur	Sirugamani	22-12-2022	38	10
		Tiruchirappalli	Andanallur	Sirugamani	23-12-2022	27	9
	DAMU_Vellore	Vellore	K.V.Kuppam	Virinjipuram	07-11-2022	25	10
		Vellore	K.V.Kuppam	Virinjipuram	25-11-2022	27	16
Telangana	DAMU_Khammam	Khammam	Wyra	Rythu Vedika Pallipadu	04-11-2022	51	5
		Khammam	Wyra	Kvk Wyra	22-12-2022	53	4
		Khammam	Enkoor	Rythu Vedika Enkoor	29-12-2022	124	3
	DAMU_Palem	Nagarkurnool	Nagarkurnool	Palem	29-10-2022	20	4
		Nagarkurnool	Nagarkurnool	Nandi Vaddeman	15-12-2022	34	8
Uttar Pradesh	DAMU_Baghpat	Baghpat	Khekra	K. V. K. Baghpat	15-10-2022	20	10
		Baghpat	Khekra	K. V. K. Baghpat	17-10-2022	40	20
		Baghpat	Baghpat	K. V. K. Baghpat	23-12-2022	15	10
		Baghpat	Khekra	K. V. K. Baghpat	28-12-2022	10	10
	DAMU_Bhadohi	Sant Ravidas Nagar	Bhadohi	Uchetha	23-11-2022	25	2
	DAMU_Kannauj	Kannauj	Jalalabad	Kvk For Digsara	14-11-2022	35	12
	DAMU_Lucknow	Lucknow	Gosaiganj	Village Kasimpur Viruha	01-12-2022	20	1
		Lucknow	Mal	Chak Saidapur	07-12-2022	21	2
		Lucknow	Gosaiganj	Village Khurkhundapur	30-12-2022	20	2
Uttarakhand	DAMU_Almora	Almora	Hawalbagh	Matela	01-11-2022	20	5
		Almora	Hawalbagh	Matela	03-11-2022	11	5
		Almora	Takula	Manan	22-12-2022	100	10
		Almora	Hawalbagh	Gudkande	24-12-2022	100	10
	DAMU_Pithoragarh	Pithoragarh	Munakot	Riyansi	13-10-2022	22	5
		Pithoragarh	Munakot	Bamanthal	08-11-2022	21	0
		Pithoragarh	Munakot	Chopakhiya	09-11-2022	20	1
		Pithoragarh	Kanalichina	Kamtoli	15-11-2022	20	0
		Pithoragarh	Munakot	Gaina	21-11-2022	20	15

West Bengal		Pithoragarh	Munakot	Gaina	08-12-2022	10	0
		Pithoragarh	Munakot	Gaina	20-12-2022	20	5
	DAMU_Birbhum	Birbhum	Bolpur-Sriniketan	Sriniketan	29-11-2022	36	3
		Birbhum	Bolpur-Sriniketan	Raipur	30-11-2022	45	0
		Birbhum	Illambazar	Sahebdanga	31-12-2022	80	2
	DAMU_Jalpaiguri	Jalpaiguri	Matiali	Matiali	16-10-2022	53	2
		Jalpaiguri	Dhupguri	Salbari	09-11-2022	27	2
		Jalpaiguri	Maynaguri	Kvk Campus	15-11-2022	35	7
	DAMU_Mursidabad	Murshidabad	Murshidabad-Jiagunj	Dear Mahinagar	14-10-2022	50	11
		Murshidabad	Murshidabad-Jiagunj	Beliapukur	21-12-2022	60	9

## **Annexure II**

### **Field visits conducted during the period October to December 2022:**

State	AMFU/ DAMU	Place	Date
Arunachal Pradesh	DAMU, Namsai	Namliang and Nopotia villages, Chowkham block, Namsai	22.12.2022
Assam	DAMU, Cachar	Borkhula, Salchapra, Sonai block, Cachar	19.10.2022 to 30.12.2022
	DAMU, Barpeta,	Shawarachar Pathar village, Ruposhi block	29.12.2022
Bihar	DAMU, Gaya	Manpur village	11.10.2022
		Sikhar, Manpur village	26.10.2022
		Takeya, Nagar village	09.11.2022
		Baragandhar, Manpur village	28.11.2022
		Rupaspur, Manpur village and Bara, Nagar village	08.12.2022
Chhattisgarh	DAMU, Jashpur	Kansabel village	04.10.2022
Gujarat	DAMU, Jamnagar	Mota vadala village, Kalavad, Jamnagar	05.12.2022
	DAMU, Dahod	Pratappura village, Sanjeli, Dahod	13.12.2022
		Ghughas village, Fatepura Ta, Dahod	16.12.2022
		Ballaiya village, Fatepura Ta, Dahod	16.12.2022
		Chandavada village, Dahod Ta, Dahod	17.12.2022
	AMFU, Anand	Anta village, Balasinor block, Mahisagar	23.12.2022
Haryana	DAMU, Sonipat	Thanakhurd, Nahari and Kawali villages	22.12.2022
Himachal Pradesh	DAMU, Sirmaur	Haripur Khol village	01.10.2022
		Parara village	01.11.2022
	AMFU, Seobagh	Badagaon, Jathar, Bihal and Katrain villages, Naggar block, Kullu district	14.12.2022 and 15.12.2022
Jharkhand	DAMU, Khunti	Torpa (Diyankel) village	11.10.2022
		Torpa (Diyankel) village	20.10.2022
		Torpa (Diyankel)	28.10.2022
		Torpa (Diyankel) village	15.12.2022
		Torpa (Madhu toli) village	20.12.2022
Jammu & Kashmir	DAMU, Kupwara	Batgund village, Handwara block	16.11.2022
		KVK Kupwara	19.12.2022
Kerala	AMFU, Thrissur	Pananchery Village, Ollukkara Block, Thrissur	27.10.2022
		Kodassery Village, Chalakkudy Block, Thrissur	21.12.2022
Maharashtra	DAMU, Solapur	KVK Mohol	10.10.2022
		Lavang village, Malshiras block, Solapur	24.11.2022
	AMFU, Dapoli	Watul village, Rajapur block, Ratnagiri	27.10.2022
Madhya Pradesh	AMFU, Khargone	Barwah block, Sanawad	13.10.2022
		Khargone block, Khargone	08.11.2022
		Khargone block, Khargone	22.11.2022
		Khargone, k-Khargone bloc	13.12.2022
Odisha	AMFU, Ranital	Basta, Balasore	07.10.2022
		Tihidi, Bhadrak	11.10.2022
		Danagadi, Jajpur	14.10.2022
		Khaira, Balasore	20.10.2022
		Dasrathpur, Jajpur	25.10.2022
		Basudevpur, Bhadrak	28.10.2022

		Badchana, Jajpur	03.11.2022
		Remuna, Balasore	07.11.2022
		Jajpur	10.11.2022
		Chandabali, Bhadrak	14.11.2022
		Soro, Balasore	17.11.2022
		Jaleswar, Balasore	21.11.2022
		Basudevpur, Bhadrak	24.11.2022
		Dasrathpur, Jajpur	28.11.2022
		Balasore	01.12.2022
		Dhamnagar, Bhadrak	05.12.2022
		Bari, Jajpur	08.12.2022
		Nilagiri, Balasore	12.12.2022
		Rasulpur, Jajpur	15.12.2022
	DAMU, Rayagada	Padhaniguda village, Gunupur block	07.11.2022
		Laba village, Gunupur block	08.10.2022
		Kalma village, Gunupur block	12.11.2022
	DAMU, Gajapati	Tabarsing village, R.Udayagiri	16.11.2022
Puducherry	DAMU, Puducherry	Karikalampakkam village	20.10.2022
		Suththukeny village	25.10.2022
		Karayamputhur Village	22.11.2022
Tamil Nadu	DAMU, Pudukkottai	Kottakottai village, Thiruvavur block, Pudukkottai	08.11.2022
	DAMU, Vellore	Chennareddykuppam	07.12.2022
	AMFU, Ooty	The Nilgiris, Idhuhatty village, Kotagiri block	05.12.2022
	DAMU, Ramanathapuram	Karendhal, Ramanathapuram	07.11.2022
		Kazhanikudi, Ramanathapuram	14.11.2022
Uttar Pradesh	DAMU, Lucknow	Amlauli village, Mall block	20/10/2022
		Rakeebkheda village, Gosaiganj Block	11.11.2022
		Rasoolpur village, Gosaiganj block	01.12.2022
		Radha Krishna kheda village, Mohanlalganj block	01.12.2022
	DAMU, Ghazipur	Ghazipur	10.11.2022
Uttarakhand	AMFU, Roorkee	Khubbanpur village, Bhagwanpur block, Haridwar district	20.10.2022
		Paudiwala village, Khanpur block and Purwala Birsinghpur village, Laksar block	22.10.2022
		Khanpur villages, Laksar blocks.	26.12.2022
West Bengal	DAMU, North 24 Pgs	Samsernagar, Hingalgaon, North 24 Parganas	12.10.2022
	DAMU, Purulia	Madhutoti village, Raghunathpur-I block	26.11.2022
	AMFU, Kakdwip	Bishalakhhipur village, Namkhana block	23.11.2022
		Moynapara village, Kakdwip block	01.12.2022
	AMFU, Kalyani	Noabila & Shalidaha Village, Barrackpur- 1 block, North 24-Pgs	15.10.2022
		Chakrudranagar village, Tehatta-II block, Nadia	22.12.2022
		Purushottampur village, Magra block, Hooghly	24.12.2022
		Tatigachhi village, Chakdah block, Nadia	24.12.2022
		Harishkarpur village, Balagarh block, Hooghly	25.12.2022
		Kaltalpara village, Kalyani Block, Nadia	26.12.2022