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GKMS-IMD-PROJECT



4/12/23



MEMORANDUM OF UNDERSTANDING
(MoU)

Between

PANDIT JAWAHARLAL NEHRU COLLEGE OF
AGRICULTURE AND RESEARCH INSTITUTE
(KARAIKAL)

And

INDIA METEOROLOGICAL DEPARTMENT
MINISTRY OF EARTH SCIENCES
GOVERNMENT OF INDIA

On

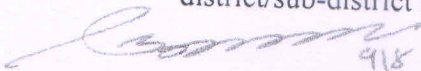
GRAMIN KRISHI MAUSAM SEWA
(GKMS)

MEMORANDUM OF UNDERSTANDING (MoU) BETWEEN PANDIT JAWAHARLAL NEHRU
COLLEGE OF AGRICULTURE AND RESEARCH INSTITUTE, KARAIKAL AND IMD FOR
COLLABORATION IN GRAMIN KRISHI MAUSAM SEWA

1. This memorandum of Understanding made this day, i.e. 08th August 2023 between the India Meteorological Department (IMD), Ministry of Earth Sciences (MoES) with its office at Mausam Bhawan, Lodhi Road, New Delhi - 110003, (hereinafter referred to as "IMD" which expression shall unless excluded by or repugnant to the context be deemed to include its successors in office and assignees) of the one part AND the Pandit Jawaharlal Nehru College of Agriculture and Research Institute, (Karaikal) society established under act societies registration 1860 to the state of Puducherry (herein referred to as PAJANCOA which expression shall, unless excluded by or repugnant to the context, be deemed to include its successors in office and permitted assignees) of the other part.

Whereas the Government of India has entrusted upon India Meteorological Department (IMD) the task of development of Agro-Meteorological Advisory Services in the country. In pursuance hereof, IMD has set up in the country a network of about 130 Agro-Meteorological Field Units (AMFUs), which are multidisciplinary units responsible for preparation and dissemination of agromet advisories. Whereas the PAJANCOA is willing to continue as AMFU set up and functioning at Karaikal U.T. of Puducherry under its jurisdiction. Now, it is hereby agreed as follows:

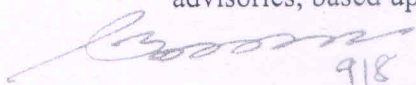
2. Each AMFU will be manned by an Agro-meteorologist who would utilize the relevant meteorological products provided by IMD to generate specific advisories for agricultural management for the respective district and Agro Climatic Zones (ACZ) identified under the area of its jurisdiction and disseminates the same to the farming community. In addition to that an OBSERVER will be appointed who will record the observation and transmit on real-time basis to IMD and also assist the Scientist in maintenance of the observatory. The responsibilities of AMFUs would include preparation of weather based advisories for management practices in agriculture after due consultation with subject matter specialist/scientists/professors of concerned disciplines and disseminate the same to the end users using all possible modes of communication. It will also liaise and engage with Indian Council of Agricultural Research (ICAR), District Agriculture/Horticulture/Animal husbandry Officers, Krishi Vigyan Kendras (KVKs) and other agencies to render Agromet Advisory Service in a holistic manner. It will also disseminate advisories through all possible means to have outreach up to village level and arrange to provide necessary feedback to IMD for development of :
- Relevant Agromet Advisories for the stressed crops/livestock etc.
 - Regional/locale-specific agromet predictive models;
 - Crop-weather relationships and crop calendar
 - Forewarning models for weather and climate based pests and disease etc.
 - The responsibility of mentoring and guiding respective KVKs under their ACZ jurisdiction to build and operate District Agro-Met Units (DAMU) to serve district/sub-district specific AAS responsibility at par with AMFUs.

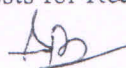

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3. OBLIGATIONS OF IMD

- 3.1 IMD agrees to provide weather forecast in quantitative terms at appropriate scale to the AMFUs, with due guidance/support from coordinators from AASD, New Delhi.
- 3.2 IMD agrees to provide grant-in-aid to AMFUs subject to personal and budgetary limitations imposed by the government from time to time after submission of duly audited utilization certificate, duly audited statement of expenditure and demand for grant-in-aid by the grantee University/Institution, for defraying expenditure towards salaries of one Scientist and one Observer, travel expenses of the staff approved by IMD and appointed/engaged by the AMFUs exclusively for operating the agro-met advisory services. Grant-in-Aid will cover the salary (as defined by GOI) for posts of Scientist in the scale of Rs.15600-39100 (GP Rs. 6000/-) and Agromet Observer in the scale of Rs. 5200-20200 (GP Rs. 2000/-) with Dearness Allowances (DA), House Rent Allowances (HRA) and annual increment as per 6th CPC on contractual basis year-on-year based on performance review and shall be co-terminus with the GKMS scheme. This will be applicable where entry level starts with basic pay of Rs.15600-39100 (GP Rs. 6000/- as per 6th CPC). Therefore, the host institute can appoint/continue the manpower in the scale of Rs.15600-39100/- + AGP of Rs.6000/- as per the 6th CPC. Promotion to AGP higher than 6000/- shall not be considered in this scheme.
- 3.3 As per proposed 7th CPC for Universities/Institutes, the emoluments of Scientist will be Rs.57700/- (starting basic pay= Rs.57700/-, Level-10) in the scale of Rs.15600-39100/- and of Observers will be 21700/- (Level-3) plus Dearness Allowances, House Rent Allowances and annual increment as per para 3.2 above.
- 3.4 In addition to the item no. 3.2 and 3.3, if the university intends to continue / recruit manpower with the grade pay higher than Rs. 6000/-, then the difference from above emoluments will have to be paid by the host institute.
- 3.5 IMD agrees to provide support for on-line preparation of Agromet advisory bulletin.
- 3.6 IMD will supply/replace the meteorological instruments and sensors for installed Automatic Weather Stations (AWS) and carry out periodic inspections as required.
- 3.7 Contingent expenses including consumables, telephone, fax, SMS charges, stationary, publication, etc. necessary for effective functioning of agro-met advisory services.
- 3.8 Development of human resources related to the AAS as approved by IMD.
- 3.9 IMD shall act upon the documentation prepared by AMFU's on services rendered by them in order to assess the efficacy of the services and carry out over all supervision.
- 3.10 Setting up smart telecommunication system and providing required instruments and software for uninterrupted data flow from the proposed observatories to IMD.
- 3.11 Providing processed data recorded at (PAJANCOA) after proper scrutiny for utilization in different research activities as well as for improvement of agro advisories, based upon specific requests for R&D work in relevant area.


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4. OBLIGATIONS OF THE PAJANCOA (AMFUs)

The PAJANCOA (KARAIKAL) (AMFU) agrees

- 4.1 To constitute an Expert panel with participation of district level representative from State Department of Agriculture, Horticulture and Animal Husbandry to prepare bulletin in a more relevant and purposeful.
- 4.2 Prepare and disseminate weather based agromet advisory bulletins (bi-lingual) for different parts of districts and Agro Climatic Zones.
- 4.3 Disseminate advisories through SMS, firms under PPP mode, extension agencies & other modes of communication and uploading in the Divisions website, print media etc.
- 4.4 To organize/participate in awareness activities to popularize Agromet Advisory Service and willingness to undertake impact assessment studies under grant-in aid program.
- 4.5 To monitor the dissemination status of SMS advisory through dashboard and generate weekly statistics and account of SMS distribution.
- 4.6 To provide security and maintain Agro-meteorological observatory/Automatic Weather Stations with full custodial responsibility.
- 4.7 Record observation (0700 LMT and 1400 LMT, 0300 UTC (i.e. 08.30 hrs IST) and 12 UTC (i.e. 17.30 hrs IST) including soil moisture observation and update the data in archival.
- 4.8 Prepare data base for weather and crop observations and update on real time.
- 4.9 Assist in preparation of local climatological information and agricultural data from districts.
- 4.10 Submit annual progress report, utilization certificate/statement of expenditure duly audited and signed by the competent authority by end of financial year.
- 4.11 To make available experimental field data for calibration and validations of crop models and to identify weather sensitivity of crops, animals, P&D and management practices.
- 4.12 The essential qualification for the post of Scientist is Post-Graduation in Agrometeorology. If candidates with Agrometeorology qualification are not available, then candidates with qualifications in Agronomy/Meteorology/Agriculture Physics may be considered. The essential qualification of the Observer will be 10+2 from science stream along with the basic knowledge of computer operations. The Scientist will be engaged as per AMFUs guidelines. All the rules and regulations of the respective host organizations, as well as annual review based contractual appointment will apply.

5. Joint Responsibilities

- 5.1 PAJANCOA hereby agrees to continue the support in respect of facilities established through grant-in-aid by IMD at the end of project period when IMD support may be phased out.
- 5.2 The agro-advisory services are essentially a cooperative venture. Any matter not covered specifically in the Memorandum of Understanding (MoU) may be settled by


mutual agreement. On points where disagreement persists, the matter may be referred to the Secretary, MoES for a decision, which shall be final and binding on the both the parties.

- 5.3 Both IMD and AMFUs will make use of the data generated from observatory/AWS for agricultural research and advisory purpose.
- 5.4 Both parties acknowledge the confidentiality of the information which may be transferred between the parties or obtained or developed during the course of this exchange from time to time as being essential to this MoU and agree not to disclose the same to any third party without prior permission.

6. EXTENSION/TERMINATION OF MoU

Three months prior to this memorandum of understanding (MoU) coming to an end the operation of this understanding may be extended by mutual consent for such period or periods as may be considered desirable. •

Requests for any major change or termination of this MoU shall be furnished by either party to the other for consideration not less than 90 days in advance of the desired date for effecting change/termination. However, all liabilities for the parties accrued during the period of operation of MoU such as settlement of accounts, handing over of completed research works/results, final drawings, etc., will survive even after the expiry of the MoU. All the equipment and material set up by IMD shall be the property of IMD and shall be restored to IMD in case of termination of MoU.




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7. COMING INTO FORCE

This MoU shall be deemed to have come into force from the date specified herein and shall continue for a period of five years. All rights and obligations of IMD and PAJANCOA shall be deemed to have commenced and accrued from that specified date.

8. In witness whereof the parties here to have executed this Memorandum of Understanding.

For and on behalf of 
India Meteorological Department

New Delhi _____

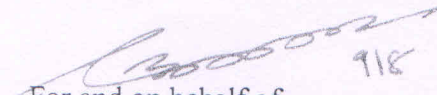
S.C. Bhan

वज्ञानक ज/SCIENTIST-G

प्रमुख कृषि मौसम विज्ञानी/Head Agromet Services

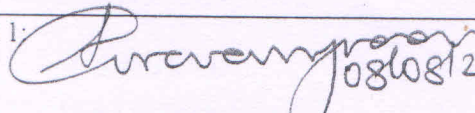
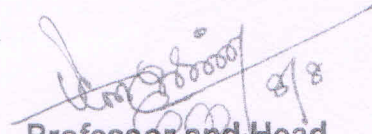
भारत मौसम विज्ञान विभाग/India Meteorological Department

पृथ्वी विज्ञान मंत्रालय/Ministry of Earth Sciences

For and on behalf of  9/8
PAJANCOA (KARAIKAL) SOCIETY
at Karaikal, U.T of Puducherry

DEAN

PAJANCOA & RI
(Govt. of Puducherry Institution)
KARAIKAL.

<p>Witness 1:</p>	<p>Witness 1:  08/08/23 NODAL OFFICER GRAMIN KRISHI MAUSAM SEWA (GKMS) Department of Agronomy P.J.N.College of Agriculture & Research Institute, KARAIKAL-609 603.</p>
<p>Witness 2:</p>	<p>Witness 2:  8/8 Professor and Head Department of Agronomy PUN College of Agriculture & Res. Instt., Karaikal - 609 603</p>