

e-NEWSLETTER INDIAN SOCIETY OF AGRICULTURAL ENGINEERS

..... Connecting Engineers in Agriculture

July - Aug. 2025



7000 + Members

36 Chapters

3 Scientific Publications

Published by
INDIAN SOCIETY OF AGRICULTURAL ENGINEERS

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Message From The President



My Dear ISAE members! Your beloved society is progressing fast and achieving newer heights. Last two months were full of activities and achievements. We had two executive committee meetings, one advisory committee meeting, one JAEI editorial board meeting and also a general body meeting. Presence of large number of members in GB and editorial board meeting encourages us to do further better. Personally and on behalf of ISAE I thank stalwarts of ISAE fraternity to attend the GBM and giving several guidance and suggestions. We took several decisions with consensus in all these meetings and executive committee will put all efforts to implements them as much as possible.

Dear readers! The society achieved several milestones during this period. The most important is the long drawn dream of getting our JAEI indexed in Web of Science fulfilled. The approval of COPE membership in these months indicates our high standard of publishing ethics and quality of publishing. Similarly, first time APEDA, a Government organization has approved to sign MoU with ISAE for collaborative activities and publishing export oriented information in AET. I am also happy to inform you that articles published in our journal are now from several countries and is also sought for permission to keep it in libraries and use by faculty of publishing universities from overseas countries. After getting acceptance for indexing by Web of Science and approval of COPE membership flow of articles are expected to increase and therefore we are expanding the editorial board to enable us to process the articles at further higher speed. Recommends to all readers of this newsletter to submit their best papers in this journal and get all benefits and recognition of journal's indexing in Web of Science.

Friends! We had planned a collaborative mechanization conclave and awarding Jugar mechanization Technologies with Krishi Jagaran on September 19 2025 in IARI Agricultural Engineering auditorium. But looking more interest of industries and their request to give some more time, we are postponing it somewhere in February 2026. Please plan to participate in large numbers and encourage this unique event. We will sign MoU with APEDA and form few committees of experts from willing ISAE members for giving chance to work as consultant. Our chapters have also organized events and programmes in their respective regions. These shows how activities of ISAE have improved with industries and government organizations.

Dear Members! Efforts for establishing Department of Agricultural Engineering is being put continuously. The PAU team met the HAM of Punjab, Telangana team also pursued the case for file movements. J & K Governments have also moved one inch nearer and I have met Honorable Dy CM of UP and personally pursued the case. The compiled documents of ICAR after *Viksit Krishi Sankalp Abhiyan* included mechanization as one of the top three requirements for farmers. We are trying to include these requirements in all possible documents. NAAS has also recommended in its policy paper #135. The task is big and requires continuous efforts. Persuasion at local level is required with full vigour and force to become this dream true. **Friends!** This Society is of the member, for the member and by you the member. Together we can flourish and contribute more in Nation building. Come forward and contribute the way you like and enjoy in ISAE activities.

S N Jha
President ISAE

From the Editor-in-Chief's Desk



It is pleasing to note that The Indian Society of Agricultural Engineers (ISAE) is moving into a new phase of its development, and several steps have been taken by the EC in this regards. The society and the member are working actively, to reach maximum number of Agrineers and professional in the agriculture sector through its publications, training session and activities across the country through ISAE chapters.

This newsletter is featured with glimpses of efforts made through activities and advancement in the field of agricultural engineering conducted during this period of July - Aug, 2025 across the country by various agricultural engineering institutes for dissemination of knowhow to all stakeholders.

I hope the content on various technologies through this e-newsletter will give takeaways on latest technologies to Agricultural Engineering professionals in introducing and implementing the same. Your suggestions, feedback are also solicited for further improvement of this mouthpiece of ISAE.

Chandra Shekhar
Chief Editor



e-Newsletter Editorial Board



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ISAE Happenings

4th ISAE Executive Committee meeting held on 12th July 2025

The ISAE Executive Committee meeting was held on 12 July 2025 at 11:30 am in Zoom platform. The meeting commenced with the Secretary General welcoming all members of the Executive Committee and Special invitees.

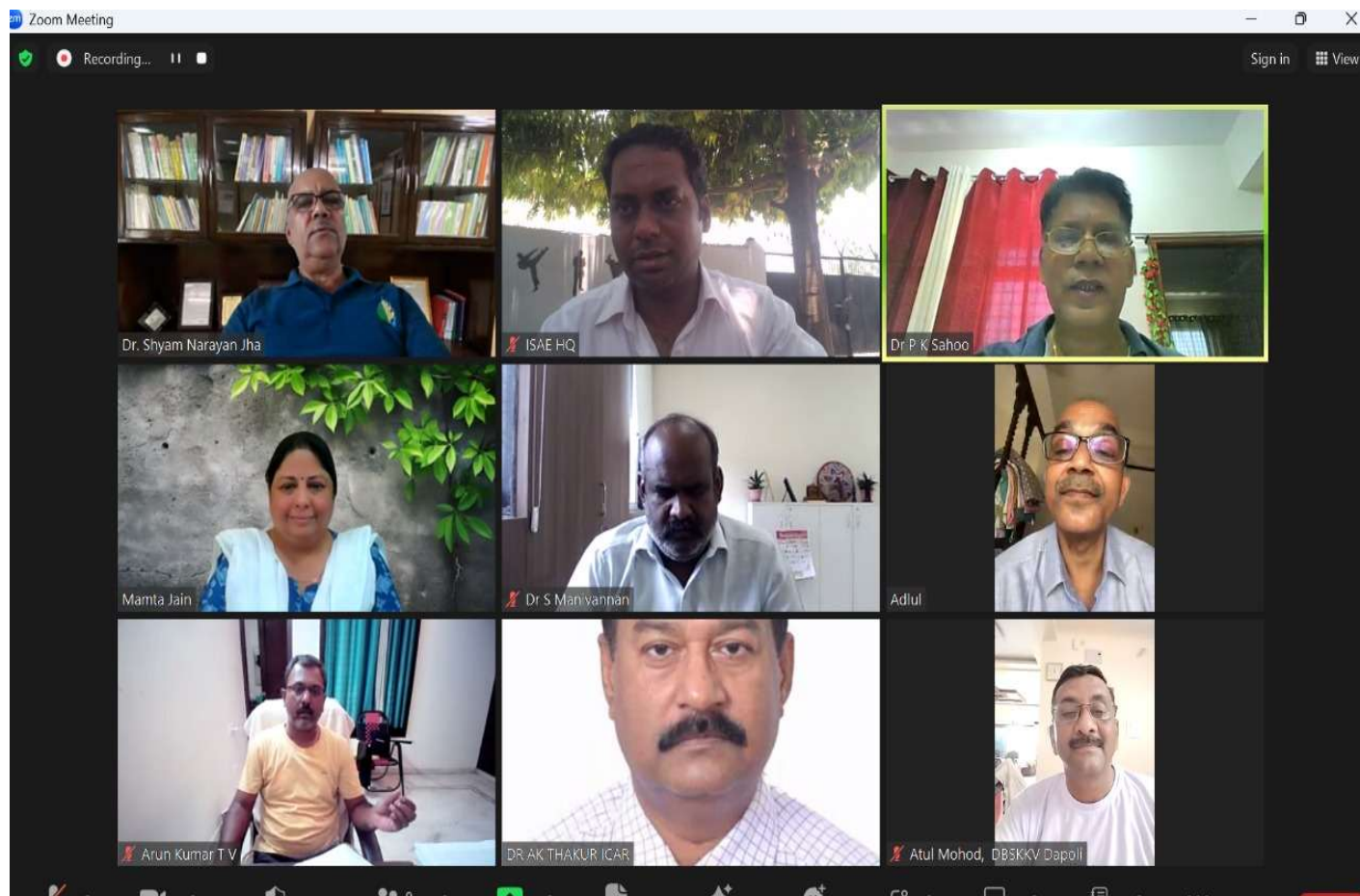
At the outset, organizing team 59th Annual Convention was requested to present the status of preparations for ISAE Annual Convention and International Symposium to be held at Bhopal; accordingly, Dr. S K Chakraborty, organizing secretary briefed about the activities. It was informed to the organizing team that no seed money will be provided from ISAE HQ and suggested to explore all possible funding from different organizations and ministries such as NABARD, DST, DBT, MoFPI, etc. The President, ISAE suggested to approach big corporate firms such as Mahindra & Mahindra, TAFE, etc. with a proposal to sponsor at least Rs.10.0 lakh each. Outsourcing of event organizer is fine, but expenditure should be done judiciously to save the funds and return the same to ISAE as per byelaws/agreement. The MoA will be shared with the organizers regarding revenue sharing. The Organizing team was asked to present expected revenue generation, budget estimate with detailed breakup under each head in the next EC meeting. It was also decided to invite Director ICAR-CIAE, Bhopal for the next EC meeting in this regard. Secretary General thanked Dr. S. P. Singh and Dr. S. K. Chakraborty for their briefing about the upcoming event.

In the later session, the Secretary General provided a comprehensive briefing on the Action Taken Report regarding the discussions and decisions made during the previous Executive Committee meeting. The following points were discussed.

1. AET Editorial board – It was decided to send an official communication to new editorial team with a copy to Chief Editor and also an appreciation letter to previous team members for their cooperation and support.
2. The theme for ISAE Calender-2026 – The tentative sub-themes were finalized and VP, Activity Council was requested to finalize the sub-themes at the earliest and collate relevant high-resolution images. Themes include: Combine harvester, Laser leveler, Crop Threshers, Irrigation pumps, Micro-irrigation system, Introduction of rubber roll sheller replacing huller in rice industry, Agro-processing centre, Revolutionizing Makhana Industry, Biogas and solar photo-voltaic, Greenhouse and polyhouse, cotton ginning industry, Women empowerment. More relevant sub-themes may be provided and added by the VP.
3. Finalization of Annual Plan of Work for 2025: The VP technical council submitted the annual activities. It was impressed upon to finalize the work plan for both councils at the earliest. In this regard, both VPs, were requested to conduct a meeting of their respective Council and decide activities to be taken. A WhatsApp group of the council including President and Secretary General may be created for ease of communication and monitoring

ISAE Happenings

4. MoU with World Scientific Publishing Co Pvt Ltd – President ISAE informed that the talks regarding transfer of publication and marketing rights of JAEI with World Scientific Publishing Co Pte Ltd (WSPC), Singapore as of now is terminated because of raising new terms by WSPC. So, as of now the case is dropped.
5. Update regarding Chapter and member details – It was discussed and decided to monitor and expedite member details updating process. Also, all chapter may be requested to conduct election of office bearers and intimate same to HQ before September 2025
6. The President, ISAE informed that development of online award application/nomination modules is in advance stage with the criteria followed in last three years. If members agree, the award module for online application may be opened from 1st August to 31st August 2025 for inviting applications/nominations



ISAE Happenings

ISAE JAEI Editorial Board meeting held on 27th July 2025

The meeting of the Editorial Board members of JAEI was held online through zoom platform on 27 July 2025. In the meeting, a total 26 editorial board members along with the President, ISAE and Secretary General, ISAE were present. At the outset of the meeting, Dr. Adul Islam, Editor-in-Chief of JAEI welcomed all the members including President and Secretary General and briefed about the agenda of the meeting. President (ISAE), Dr. Shyam Narayan Jha, informed the Editorial Board members about provisional acceptance of JAEI in Web of Science for its indexing. He addressed the Editorial Board and expressed his expectations of getting the editorial tasks completed qualitatively and in timely manner. He urged all the members to work collectively to uplift the status of the journal. All the Editors/Associate Editors actively participated during the discussion, and following decisions were made unanimously.:

- 1) Expansion of the Editorial Board keeping in view the flow of manuscripts by including more number of Associate Editors to expedite the review process.
- 2) A separate email id for Editorial Board correspondences in place of info@isae.in should be provided to differentiate between mails of general nature and those of editorial boards going to authors from the journal management system
- 3) Reviewers' guideline on JAEI website be updated and improvements in Journal Dashboard for Editorial board members should be carried out so that manuscript status can easily be checked without going into individual manuscripts' details.
- 4) Statistics of the most cited/ downloaded article should be displayed on website. It was further decided that there should be option to add an email ID out of the system available emails of Author, Reviewer, Associate Editor, Editor and Editor-in-Chief in "communication" option.
- 5) A Journal flyer be prepared with updated information so that it can be circulated for wider publicity amongst the prospective authors.
- 6) Preparation of a Video and User Manual of JAEI Journal Editorial System are desired so that user can refer to it in case of any difficulty
- 7) A one-hour interaction session of editorial board members with interested delegates covering journal content, policies, editorial processes and areas for improvement may be kept in forthcoming ISAE convention at Bhopal.
- 8) It was decided that during review process, Associate Editors will not contact Authors of the manuscript over phone, and any clarification etc. has to be sought through email.
- 9) It was also decided to give Reviewers certificate (soft copy) to all reviewers by the Editor-in-Chief, as is done in most international journals, to encourage participation of reviewers in manuscript review process.
- 10) President ISAE suggested the following action points to be adhered to as much as possible:
 - Keeping manuscripts ready for one issue in advance.
 - Rope in foreign authors as well as reviewers.
 - Restricting total number of pages per issue to 250.
 - Faster review of articles received from foreign authors to encourage submission.
 - Organizing Editors' conclave in collaboration with other Societies & NAAS.
 - Training for writing good scientific article.
 - Training of some editors for future Editor-in-Chief
 - Developing complaint redressal mechanism
 - Developing guidelines for distribution/sharing of published articles

ISAE Happenings

5th ISAE Executive Committee meeting held on 9th Aug. 2025

The ISAE Executive Committee meeting was held on 09 August 2025 at 4:00 pm in Zoom Platform. The meeting commenced with the Secretary General welcoming all members of the Executive Committee and Special invitees.

At the outset, organizing team (Bhopal Chapter) of the 59th Annual Convention were requested to present the status of preparations; Dr. S.K. Chakraborty, the Organizing Secretary, presented an overview of the current progress, which included the following key areas: efforts to promote the convention on various digital platforms were underway, alongside the fully functional official event website; the registration process is progressing, with attendees beginning to sign up for the event; arrangements for accommodation have been made in hotels and guesthouses. Dr. Chakraborty also provided an expected expenditure breakdown for the event, which was reviewed by the Committee.

The President of ISAE encouraged the Organizing Committee to actively pursue sponsorships from different organizations such as VIT, NIFTEM, APEDA, BIS, and other potential partners to support the event. It was decided that no financial support would be provided by from the convention funds or the Organizers for travel and accommodation expenses of senior and retired members attending the convention. A suggestion was made to limit the number of hard copies of publications, distributing them based on actual need and demand.

The Organizers raised concerns regarding the number of abstracts received till date. They requested the Technical Directors, through the Executive Committee, to actively encourage members to submit more abstracts and ensure robust participation. To address this matter, it was agreed that the Technical Directors would be invited to the next Executive Committee meeting to provide an update on abstract submissions and overall participation. The Organizers were also asked to present a detailed program schedule in the next Executive Committee meeting for further discussion. Secretary General thanked Dr. C.R. Mehta, Dr. S. P. Singh and Dr. S. K. Chakraborty for their briefing about the upcoming event.

The Secretary General thereafter provided a comprehensive briefing on the Action Taken Report regarding the discussions and decisions made during the previous Executive Committee meeting. The following points were discussed and decisions were taken unanimously.

1- MoU with APEDA – The EC discussed the draft Memorandum of Understanding (MoU) with APEDA. The EC approved the MoU sent by APEDA. However, the President emphasized the need to establish a dedicated committee and set clear guidelines for consultancy work under this agreement, aligning with ICAR's established protocols and standards for such engagements.

2- Revision of Journal rate from 2026 – considering the inclusion of JAEI in the Web of Science (WoS) indexing, and high number of papers in each issue, printing/publishing charges, the EC decided to revise the subscription charges of JAEI & AET, effective from January 2026.

3- COPE payment – The Secretary General proposed the post-facto approval of the COPE membership subscription fee. After discussion, the Executive Committee approved and accepted the proposal. The President informed the members that the subscription was availed at a 50% discount.

4- Materials for 2026 calendar – Dr. S. Manivannan, Vice President (Activity Council) informed the members that relevant institutes and universities have been contacted, and the respective authorities.



ISAE Happenings

have kindly consented to provide the required photographs. It was noted that these photographs will be finalized by the third week of August for further processing

5- Expansion of JAEI Editorial Board: The President expressed appreciation for the efforts of Dr. Adul Islam, Editor-in-Chief of JAEI, and his team in significantly improving the Journal's quality standards, leading to its inclusion in the Web of Science (WoS) indexing. Dr. Adul Islam briefed the EC regarding the recent editorial board meeting. It was decided to expand the editorial board, with a focus on appointing associate editors for each specialization in little larger number. This initiative aims to further strengthen the journal's editorial structure. The EC Authorized the Editor-in-chief to select the associate editors and inform the EC in next meeting

6- Common Email ID for Editorial Communication – It was decided that a common email address for editorial board will be created to facilitate smoother communication between authors and the editorial team. This will ease the operational challenges and ensure effective handling of correspondence. The Secretary-General informed the EC that this initiative would incur an additional nominal cost, which was approved.

7- Constitution of Award Committee – Considering the deadline for award applications, which is 30th August 2025, it was decided that the award scrutiny process will be held on the 15th September 2025. Dr. Chandra Shekhar Sahay, Director (Awards and Placement), was tasked with formulating and finalizing the award committees and making necessary arrangements for the smooth conduct of the awards process.

8 - Sale of AET Back Volumes – The Secretary-General informed the EC about the availability of hard copies of back volumes of AET at the ISAE HQ – a proposal was made to dispose of these back volumes. It was decided to dispose these volumes via a publisher or distributor at a reduced reasonable price, considering the cost of printing. The VP (Technical Council suggested that companies which deal with universities for periodicals should be contacted and he will help in this regards.

9- ISAE Debit/Credit Card – the operational difficulties regarding small payments and reimbursement to office bearers were discussed. After considering the guidelines, usage, and operational challenges, it was decided to continue with the existing payment methods, without introducing any debit or credit card options at this stage.

10 - PhD Thesis Competition – it was discussed and agreed to issue a call for entries for the PhD Thesis Competition, consistent with previous years' calls. The competition details will be officially notified on the ISAE website.

11- Expansion of Editorial Board for E-Newsletter – Upon request from Er. Chandra Sekhar, Editor-in-Chief (e-Newsletter), it was decided to expand the editorial board of the e-Newsletter to ensure enhanced content management. Er. Chandrashekhar was requested to discuss with some scientists/SG and decide a best one.

12- Revision of Membership Fees for Old Institutional Members – It was decided to increase the life membership fee to ₹10,000 and the annual membership fee to ₹2,000, effective from January 2026. The Secretary-General reminded the EC that the last fee revision was made in 2022, but it is still the lowest among all the society of the country, while ISAE is giving the enhanced services to the members since

ISAE Happenings

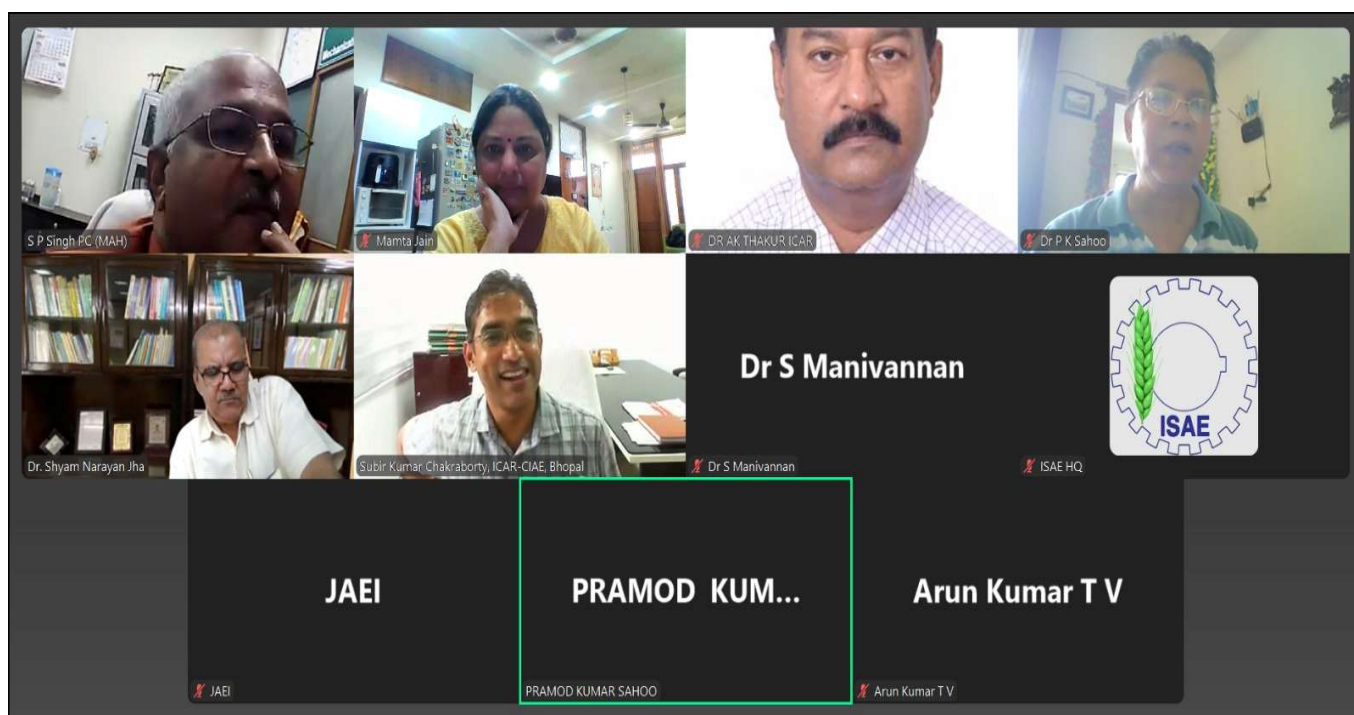
2022-2023 as compared to previous years. This revision will be proposed and discussed at the upcoming Annual General Body meeting and if approved will be effective from January 2026.

13 - Update on Paper Sharing and Authorship Misconduct Policy – It was decided to update the policy on paper sharing by authors and the authorship misconduct statement in accordance with the COPE (Committee on Publication Ethics) guidelines. The revised policy will be uploaded on the Journal's webpage. The EC approved the content and requested to do the needful.

14 - Report of Dr. Sandeep Mann's Participation in ASABE Conference – The President ISAE has nominated Dr. Sandeep Mann to represent ISAE in ASABE Annual International meeting in Toronto when no member showed their interest. Dr. Mann appreciated Dr. Sandeep Mann, ICAR-CIPHET, Ludhiana, for representing ISAE at the ASABE Conference held from 13-16 July 2025 in Toronto, Canada. Dr. Mann's report was accepted by the EC. The Secretary-General clarified that ISAE did not provide any financial assistance to Dr. Mann for attending the conference.

15- Committee for Standard Making and Election Reform – Dr. S. Manivannan, Vice- President (Activity Council), updated the EC on the progress of the Committee for Standard Making and Election Reform, specifically the involvement of members from Bureau of Indian Standards (BIS). The EC authorized Dr. Manivannan to expand the committee as per need by nominating other members of suitable knowledge to accelerate the work.

16- Event Organization in Association with Krishi Jagran – The Krishi Jagran had approached ISAE to have collaboration for organizing events on mechanization. The EC decided that ISAE will collaborate with Krishi Jagran on their upcoming event, with the understanding that there will be no financial commitment from ISAE. The event organizers will be informed about this arrangement, and a relevant application will be sought from the Krishi Jagran to formalize the collaboration



ISAE Happenings

ISAE GB Meeting held on 10th Aug, 2025 online mode

The ISAE GB meeting was held on 10th Aug. 2025 on zoom platform. The meeting commenced and the Secretary General welcomed all the luminaries of agricultural engineering profession, and informed that this is the first meeting, first AGM after this committee took over, though few of the members that has been repeated, but however, this is the committee for 2025 to 2028. Further he profusely thanked all the honourable members of ISA for casting their votes and for that we can, we can steer the society in a good direction.

Further he informed that “in last few months you have seen lot of activities we have initiated and whatever activities was taken in the first tenure, we try to just go ahead with those and the results are coming. And many, many things have been done in this period, but still we feel a lot more things to be done”. During the meeting the action taken report was discussed and informed to GB, further during the meeting several agendas were discussed, few important one are highlighted as bellow :

1.The PhD thesis competition, was quite success last year. This year also, we are starting that and the award notification has already been published. And this time, the award application is all online. Online award applications we have invited, and people can submit and the last date is 30th August.

2.Secretary General explained, a few of the committees for fixing the standard for ISAE, one of the committee under the chairmanship of Dr. C.R. Mehta and two BIS members has been constituted, to examine and give the suggestions to make ISAE standards. And another committee is there, to suggested that creating the new division. At present four divisions are there, and few members has suggested to create a new division, namely Irrigation and Drainage Engineering, to examine and give the possibility reports under the chairmanship of Dr. Amba, Chairman of Central Groundwater Commission.

3.After election, the two technical director post was not filled by any nomination or by election. So the matter was discussed in the very first meeting, regarding the technical directors (particular subject) and accordingly, the directors has been nominated. After that, a coordination meeting was conducted with and with a personal discussion with the director, the annual plan technical plan for the all the chapters has been prepared in consultation with all the directors.

4.It was discussed that Agricultural Engineering students or graduates, have to struggle to get the jobs, which are really for them only, but they have been given to agriculture graduates or some other engineers. In that case, they fight for that in that state, so It was suggest is that ISAE should have one legal cell, and in that legal cell we can get the advice from the legal professionals, and there are many Agricultural Engineers who have taken a law degree later on.

5.Dr. Thakur Presented the brief of balance sheet of ISAE to members in which he informed that balance sheet for Year 2024-25 is under preparation by the auditor's, and final balance sheet will be present in convention, however following data was presented:

- a. Amount collected as membership – Rs.16664/-
- b. Advertisement in AET- Rs.385250/-
- c. General Income – Rs.223296/-
- d. FD as of Now – Rs. 50 Lakhs

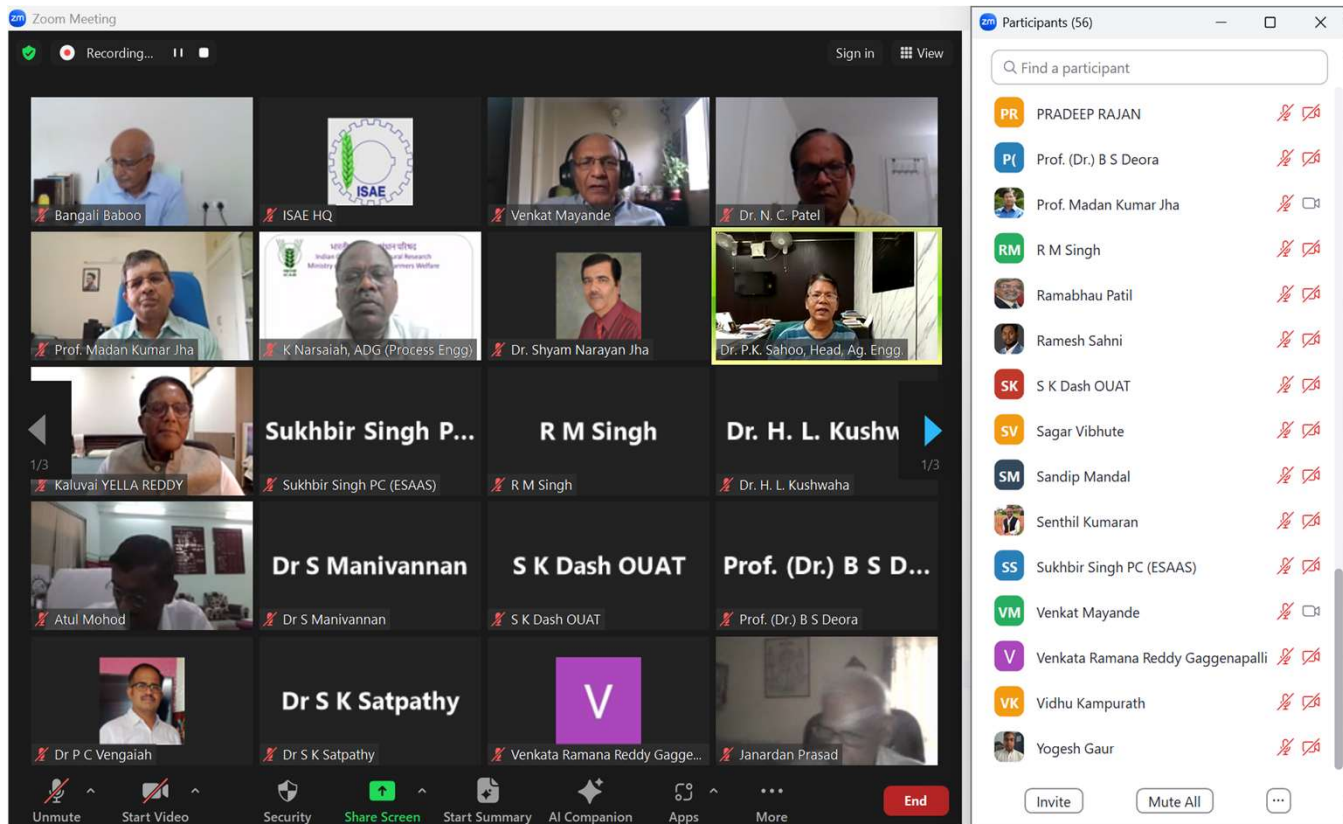


ISAE Happenings

ISAE GB Meeting held on 10th Aug, 2025 online mode

6. It was discussed that, CSR funds of industries can be utilised for generating income of ISAE and by providing services, because every industry, they have a good amount of finance and they are funding to different institutions and organizations. So that is source we can be explored and peoples may be included one from farm machinery, irrigation or food engineering.
7. For Directorate of Agriculture Engineering , although we are struggling for last so many years, and some success rate is there. Some of the states are now moving. President Dr. Jha and all ICAR team headquarters are managing to send the letters to the union ministers to chief secretaries and chief ministers. It was also discussed that the standing committee, parliamentary committee on agriculture committee, their recommendation is very handy at the state level to handle. But not all the states are so serious about it, hence all chapters were requested to make efforts at chapter level.
8. The ISAE calendar of this year will be published featuring four most important technology which has impacted Indian agriculture since beginning in India. All members were requested to send the most important, technology like irrigation pump, thresher, harvesters, combine harvesters etc.

Several other important points were also discussed in the GB meeting, and the meeting was closed with vote of thank by General Secretary



The screenshot displays a Zoom meeting in progress. The main window shows a grid of video feeds for participants. The top row includes Bangali Baboo, ISAE HQ, Venkat Mayande, and Dr. N. C. Patel. The second row features Prof. Madan Kumar Jha, K Narsaiah, ADG (Process Engg), Dr. Shyam Narayan Jha, and Dr. P.K. Sahoo, Head, Ag. Engg. The third row shows Kaluval YELLA REDDY, Sukhbir Singh P..., R M Singh, and Dr. H. L. Kushwaha. The fourth row includes Atul Mohod, Dr S Manivannan, S K Dash OUAT, and Prof. (Dr.) B S D... The fifth row shows Dr P C Vengaliah, Dr S K Satpathy, Venkata Ramana Reddy Gagge..., and Janardan Prasad. On the right side, a 'Participants (56)' list is visible, showing names like PRADEEP RAJAN, Prof. (Dr.) B S Deora, Prof. Madan Kumar Jha, R M Singh, Ramabhau Patil, Ramesh Sahni, S K Dash OUAT, Sagar Vibhute, Sandip Mandal, Senthil Kumaran, Sukhbir Singh PC (ESAAS), Venkat Mayande, Venkata Ramana Reddy Gaggenapalli, Vidhu Kampurath, and Yogesh Gaur. The bottom of the screen shows Zoom controls like Unmute, Start Video, Security, Share Screen, Start Summary, AI Companion, Apps, More, and End.



ISAE Happenings

Journal of Agricultural Engineering (India) is accepted by the Web of Science for indexing

Journal of Agricultural Engineering (India) is accepted by the Web of Science for indexing. And research papers since 2023, Volume 60(1) are uploaded on the Clarivate database. In addition it is also now getting abstracted by Biological abstract and BIOSIS Preview.

Clarivate™

We have completed our editorial evaluation of Journal of Agricultural Engineering (India) and it meets the selection criteria necessary to be included in the Web of Science Core Collection in:

Emerging Sources Citation Index

Full acceptance and inclusion is subject to journal content being provided in a format that meets our technical requirements for indexing. The onboarding team will be in contact in due course if further information is required.

If accepted, a formal acceptance letter will be sent. We will continue to monitor the performance of Journal of Agricultural Engineering (India) against our criteria and perform a reevaluation subject to journal performance.

Details of our editorial evaluation process and quality and impact criteria can be found [here](#).

Best regards,
Marija Dragovic
Marija.Dragovic@Clarivate.com
Web of Science Editorial Team

Journal of Agricultural Engineering (JAEI) has got approval of membership of Committee on Publishing Ethics (COPE)

ISAE is happy to inform that our journal “Journal of Agricultural Engineering (JAEI) has got approval of membership of Committee on Publishing Ethics (COPE) after about two years of evaluation.

The Committee on Publication Ethics (COPE) is highly important in the publication world as the leading organization for promoting ethical practices. Its guidelines provide the framework for maintaining research integrity and trust in the scholarly record for authors, editors, and publishers. A journal's affiliation with COPE signals its commitment to ethical standards and best practices. Its guidelines are widely adopted as the benchmark for ethical behavior, and its support systems are invaluable for ensuring that the scholarly record remains trustworthy and credible.

Call for Ph.D. Thesis (Agricultural Engineering & Technology) Competition - 2025

The Indian Society of Agricultural Engineers (ISAE) invites applications for the online Ph.D. Thesis (Agricultural Engineering & Technology) competition - 2025. This competition aims to improve the presentation skill in shorter time and judge the best work in Ph.D. research in Agricultural Engineering and Technology from Indian Institutions, completed in all respect including viva-voce exam between July 1, 2024, and June 30, 2025. Eligible candidates must hold B.Tech and M.Tech degrees in Agricultural Engineering and Technology and be ISAE life members, and have their degree certificates. Application should be submitted via email to isae1960@gmail.com and headquarter@isae.in by September 17, 2025. Presentation of the thesis must be done within 5 min time.

The winners of the competition will be given certificate, free registration, and travel allowance for presentation of the papers in 59th Annual Convention of ISAE Annual Convention and International Symposium to be held at ICAR-Central Institute of Agricultural Engineering, Bhopal during 10-12 Nov, 2025



Notification for ISAE Awards 2025

ISAE is pleased to announce the invitation for nominations/applications for various awards aimed at recognizing the remarkable achievements of its members in the field of Agricultural Engineering and Technology for their valuable contributions to the profession and society as a whole. These awards are exclusively open to individuals/chapters who hold the requisite membership as applicable for each specific award. Name of the Awards and number of Awards to be awarded are as follow:

1. Mason Vaugh Agricultural Engineering Pioneer Award (1 award, by Nomination only)
2. ISAE Gold Medal for Life Time Achievements (1 award, 2 awards in exceptional cases, by Nomination only)
3. Prof Gajendra Singh ISAE Education Gold Medal Award (1 Award, by Nomination only)
4. ISAE Fellow (5 Awards, by Nomination only)
5. ISAE Commendation Medal for Professional Achievements (7 Awards)
6. ISAE Distinguished Service Award (7 Awards)
7. Best JAEI Reviewer Award (4 Awards, no application needed; best reviewer will be selected by a committee based on paper reviewed by individual reviewer during the year JAEI publications,)
8. Best JAEI Research Paper Award (4 Awards, no application needed; best paper from each division will be selected from the paper published during previous year in JAEI by a committee)
9. ISAE Team Award (2 Awards)
10. ISAE Outstanding Book Award (1 Award)
11. ISAE Student Paper Award (5 Awards, Students are invited to submit papers for oral presentation at the 59th ISAE Convention (physical mode). Best paper will be selected from the student session)
12. Best Research Paper Presentation Award (8 Awards, no application needed, best papers presented in technical session of the Annual Convention will be decided by the committee/chairman of the session)
13. Best Chapter Award (1 Award)
14. ISAE-TAFE Sivasailam Memorial Student Gold Medal Award (2 Awards)

Supporting documents of each and every claim is mandatory and has to be uploaded along with application/ nomination form by the applicant/ nominee/nominator. The details of the different ISAE Awards may be accessed at <https://awards.isae.in>.

Interested individuals must complete the online application form accurately, providing all the necessary details and supporting documentation. It is essential to review the specific requirements and guidelines for each award to ensure a complete and valid application. Guidelines for screening and making merit list are as provided in the announcement published in website.

All deserving members are requested to apply/nominate in large numbers, adhering to the respective timelines/deadlines.

Last Date for Nominations/Applications : August 30th, 2025 11.59 pm through online mode at <https://awards.isae.in>.



Agricultural Engineering Education in India - Options and Opportunities

Agricultural Engineering Education in India - Options and Opportunities : Dr. Anil Kumar Mishra & Ranbir Singh

Agricultural Engineering has the unique and great importance as compared to other discipline of the engineering. Experience has shown that the level of economic development of any nation depends on its level of human resources particular science and technology. The India's great agricultural engineer Dr. AM Michel states that, "Nation needs great contribution from Agricultural Engineer around the world to provide sufficient and nutritional food to the individuals". Without contribution of those engineers this hypothesis may be considered as incomplete hypothesis. Agricultural engineering includes several discipline of science and principles of technologies which help to make agriculture sustainable, profitable and competitive enterprise through engineering interventions of farm mechanization, value addition and energy management in production and post-harvest operations. In present scenario all agricultural operations can be accomplished with help of Modern and precise equipment and tools within a very short duration and less investment. On international level demand of noble agricultural engineers are increasing as a consequence of increasing demand of precision agriculture equipment and tools.

Agricultural Engineering and Mechanization

Agricultural engineering is the branch of engineering that deals with the design of farm machinery, the location and planning of farm structures, farm drainage, soil management and erosion control, water supply and irrigation, rural electrification and the processing of farm products. Agricultural engineers develop and design new procedures, tools and systems for agricultural products and environments. The profession has made significant contribution in the development of appropriate farm machinery, irrigation and post-harvest equipment and energy appliances.

Agricultural mechanization helps in increasing production, productivity and profitability in agriculture by achieving timeliness in farm operations, bringing precision in metering and placement of inputs, reducing available input losses, increasing utilization efficiency of costly inputs (seed, chemical, fertilizer, irrigation, water etc.), reducing unit cost of produce, enhancing profitability and competitiveness in the cost of operation. Earlier, it was considered that mechanization creates unemployment. The myth has been broken and it has been observed that, agricultural mechanization besides increasing production and productivity, also generates income and employment opportunities. Several studies conducted in different parts of India have shown that mechanization has helped in increasing production, productivity, generation of income and employment. The average farm power availability needs to be increased from the current 1.15 kW/ha to at least 2 kW/ha to assure timeliness and quality in field operations. All these works in agricultural operations are possible to be attended only when adequate agricultural mechanization infrastructure is created.

Agricultural Engineering Education System in India:

The first program in agricultural engineering education in India was introduced in 1942 with Bachelor of Science degree at the Allahabad Agricultural Institute, Naini, Allahabad, Uttar



Agricultural Engineering Education in India - Options and Opportunities

Pradesh. The second program in agricultural engineering education in India was established in 1952 with Bachelor of Technology (B.Tech.) degree at the Indian Institute of Technology (IIT), Kharagpur, West Bengal. IIT introduced Master of Technology (M. Tech.) and Ph.D. degrees in agricultural engineering in 1957 and 1962, respectively.

With the establishment of State Agricultural Universities (SAUs) during 1960's, on the pattern of Land Grant Universities in the United States, the agricultural education in India changed significantly. The teaching, research and extension became integral part of the faculties. The first agricultural engineering program under this new pattern was started in 1962 at the Uttar Pradesh Agricultural University (now G B Pant University of Agriculture and Technology), Pantnagar. Presently, there are 24 institutions offering degree programs in agricultural engineering. Of these 16 offer programs leading to master degree and eight offer Ph. D. degree (Yadav et. al, 1997). ICAR works in a partnership mode with SAUs and has contributed significantly in developing first rate human resource by way of coordinating, supporting and guiding various aspects of higher agricultural engineering education. It provides funds for development and strengthening facilities in vital areas, training to faculty and scholarships/fellowships to the students for quality assurance.

Employment in opportunities of Agriculture Engineers Government and Private Sector: Agricultural engineering is a very diverse engineering major. Students who consider this major typically don't picture themselves just working behind a desk solving problems; they are people who like hands-on problem solving and design implementation. They like to work in teams to solve societal problems related to agriculture. Agricultural engineers solve problems related to agricultural equipment, water quality and water management, biological products, livestock facilities, food processing, and many other agricultural areas. Also, engineers in this field may work to solve environmental issues pertaining to agriculture or they may specialize in bioprocess technology. They often must travel to worksites to observe whether processes or equipment are working correctly. These professionals work both indoors and out. Their work can depend on the weather or growing seasons, so sometimes agricultural engineers must work long hours to take advantage of the right conditions. Currently, the demand for AE's is at an all-time high. The job opportunities are plentiful and diverse. The graduates are employed in academic and R&D activities, agricultural production, equipment sales and service, financial management and consultancy, leading agricultural firms, government services, and consulting agencies seek after graduates in agricultural engineering and some are self-employed. An Agricultural Engineering degree will open doors around the world in large corporations and small businesses, including careers in water quality, food processing, environmental systems, structural design, erosion control, materials handling, agricultural power and equipment design and more.

The following are some of the sectors providing placement to the agricultural engineering graduates/post-graduates:

- designing and managing food production systems



Agricultural Engineering Education in India - Options and Opportunities

- designing natural resource management systems
- developing and managing bioprocessing systems
- Development, research and teaching departments/ institutions/ universities of Central and State Governments
- Commercial Banks and Insurance Sector
- Area development/ watershed development agencies including NGOs, protecting surface and ground water quality
- Industries dealing with agriculture machinery, designing off-road vehicles and agricultural equipment
- Manufacturers and suppliers of irrigation system
- Agricultural and animal products processing industry, designing animal production facilities and environmental control systems
- Multi-Nationals dealing with production, field evaluation, and marketing of agricultural inputs including export marketing and consultancy services etc.

Essential Qualifications to take admissions in agricultural engineering College:

In order to take admissions to agricultural engineering BE/ B.Tech/ M.E/ M.Tech programmes candidates need to get qualified in entrance exams that are conducted by the respected institute/ university. All the candidates who got shortlisted in the entrance examination conducted will be declared as eligible to appear for admissions. List of Agricultural Engineering Entrance exams for taking admissions to Undergraduate/Post graduate courses are provided below. For Complete details regarding the Eligibility, admission process, scheduled dates and other notices of Entrance exam provided below log on to the respective exam official website.

Exam Pattern for the Agricultural Engineering Exam

The examination will have objective type questions with multiple choices. The total marks allotted for this examination is 160 marks. The time that is allotted for students to finish writing is three hours. Questions shall be posed from subjects as such:

- *Mathematics
- *Chemistry
- *Physics

Post-graduate degree in the discipline of Agricultural Engineering and universities

Three major specializations in the discipline of Agricultural Engineering and degrees in these at M.Tech. and Ph.D. level have been recommended as:

- (i) Farm Machinery & Power Engineering;
- (ii) Processing & Food Engineering; and
- (iii) Soil and Water Engineering. Other discipline are Renewable energy engineering, Irrigation and drainage engineering. Agricultural Structures and Environment Control Engineering, Dairy Engineering, and Aquacultural Engineering.



Agricultural Engineering Education in India - Options and Opportunities

Post Graduate Diploma in Management-Agriculture (PGDMA)

ICAR-National Academy of Agricultural Research Management NAARM initiated the Post Graduate Diploma in Management-Agriculture (PGDMA) program in the year 2009. PGDMA is a 2 year, fully residential programme approved by the All India Council for Technical Education (AICTE) designed to prepare students for management-related careers in the agriculture and food and allied sectors.

1. Essential Qualifications: The minimum qualification for admission to the PGDMA is a Four year bachelor's degree from any Agricultural University or Institution recognized by the ICAR / UGC in disciplines such as Agriculture, Agri-Business Management / Commercial Agriculture, Agricultural Marketing and Cooperation, Agricultural Engineering, Agricultural Information Technology, Agricultural Bioinformatics, Agricultural Biotechnology, Dairy Science/ Technology, Fisheries, Food Technology/Food Process Engineering, Forestry, Horticulture, Sericulture, Agricultural and Irrigation Engineering, Home Science, B.Sc. (Cooperation and Banking Management) and Veterinary Sciences.

2. Short listing of candidates: Candidates are short-listed based on CAT/CMAT/XAT /MAT scores for next stage of selection i.e. Group Discussion (GD) and Personal Interview (PI).

Conclusions :

Agricultural engineering has been accepted as one of the major disciplines which contributes significantly in increasing the productivity of agriculture in the country by way of increasing efficiency of inputs, conservation of resources and reducing post-harvest losses besides value addition of agro-produce. There is an urgent need for developing appropriate technology in Agricultural Engineering & Technology and imparting proper training to the farmers, which is possible only if the graduates and post graduates produced by the universities are themselves properly educated in the advances in engineering and technology as applicable to agriculture. This becomes more important at the post graduate level where they have not only to learn the recent advances in their subjects but have also to be trained in the modern and latest techniques in their disciplines so that they can participate and contribute in the development and advancement in their related fields. Therefore restructuring the curricula content and delivery system and recast the same to produce globally competitive man power has gained primacy. Further, the shrinking job opportunities in the National Agricultural Research System (ICAR/SAUs) have put additional pressure on our education system to prepare students in tune with the demands of the private sector. The new and restructured PG programmes in Agricultural Engineering & Technology have been designed by taking into consideration demands of private sector harnessing commercial aspects, modern research tools and their applications, supplementary skills required, and enhancing the global competitiveness and employability of students.

(The authors are with Division of Water Technology, IARI, Pusa, New Delhi)
Views expressed are personal.

Source : <https://employmentnews.gov.in/newemp/MoreContentNew.aspx?n=Editorial&k=132>



ICAR Official Advocates For Creation Of Directorate Of Agri Engg, during Visits to PAU

Ludhiana: In a significant academic and policy-focused interaction, the deputy director general (agricultural engineering), ICAR, and the president of Indian Society of Agricultural Engineers (ISAE), S N Jha, visited the College of Agricultural Engineering and Technology (COAET) at Punjab Agricultural University (PAU) to engage with faculty members on the strategic upliftment of agricultural engineering and the proposed creation of Directorate of Agricultural Engineering in Punjab.

During the interaction, Jha emphasized the growing importance of agricultural engineering in transforming Indian agriculture through mechanization, energy efficiency, post-harvest management, and climate-smart technologies. He encouraged faculty to contribute to demand-driven research, skill-based training, and interdisciplinary innovation aligned with national priorities.

A key highlight of the discussion was the proposal for the creation of a Directorate of Agricultural Engineering in Punjab, which is in line with the recent directive from the central govt to all states. Dr. Jha updated the faculty on the current status of this development in Punjab, stating that the process has been initiated at the state level as per the letter from the chief secretary, Govt of Punjab to the secretary, department of agriculture and farmers' welfare, ministry of agriculture and farmers' welfare, Government of India. Discussions are going on with relevant authorities to expedite the formation of the Directorate, which would act as a central agency for planning, implementation, and coordination of agricultural engineering activities in the state, he said.

Dr. Jha lauded the efforts of PAU and COAET in fostering innovation and assured continued ICAR support for strengthening agricultural engineering education, research, and outreach in Punjab. Manjeet Singh, dean, COAET, updated about the efforts made at the College level for the creation of Directorate of Agricultural Engineering in Punjab, and further emphasized that a committee would be formed to do follow-up of this important issue with the state govt. Faculty members of COAET shared their ongoing contributions, vision, and support for the proposed Directorate, which is expected to significantly enhance the delivery of engineering services to farmers and promote technology-led agricultural growth.

Dr Satish Kumar Gupta, Joint Secretary-cum-Treasurer, Punjab Chapter of Indian Society of Agricultural Engineers conducted the interactive session.



Source :

<https://timesofindia.indiatimes.com/city/ludhiana/icar-official-advocates-for-creation-of-directorate-of-agri-engg-visits-pau/articleshow/122350439.cms>



PAU And ICAR-CIWA Establish Custom Hiring Centre To Boost Rural Women Livelihood

In a significant step toward strengthening rural economies, Punjab Agricultural University (PAU), under the patronship of Indian Council of Agricultural Research - Central Institute for Women in Agriculture (ICAR-CIWA), has established a Custom Hiring Centre (CHC) in village Boparai Kalan under the All India Coordinated Research Project on Women in Agriculture (AICRP-WIA).

The facility was inaugurated by Dr Mridula Devi, Director, ICAR-CIWA, who underscored the initiative's backing under the SC-Sub Plantook, a step towards enhancing the livelihoods of rural women through improved access to modern equipment and technical skills. The CHC was officially established under Lovely Aajivika Self-Help Group (SHG) in the village for community-led management, and a Memorandum of Agreement was also signed between ICAR-CIWA, PAU, and the SHG to ensure long-term, sustainable operations.

The SHG members were provided hands-on operational trainings by Dr Shivani Rana, Scientist, Department of Resource Management and Consumer Science, College of Community Science, PAU to ensure effective management. Fully equipped with machinery and tools such as paddy thresher, flour mill, polythene sealing machine, sewing machines, and maize sheller, and AICRP-WIA technologies, the centre aims to provide affordable access to agricultural implements and value-addition equipment by reducing physical drudgery and increasing efficiency, she said. The CHC also seeks to open new income-generating avenues, particularly benefiting women and marginal farmers, she added.

Speaking at the ceremony, Dr Ritu Mittal, Unit Coordinator, highlighted the role of CHCs in skill enhancement and sustainable resource utilization. Dr Deepika Vig, Coordinator of Research, College of Community Science, PAU, commended the project for successfully bridging academic research with practical rural solutions.

Dr Sharanbir Bal, Head, Department of Resource Management and Consumer Science, praised its potential to empower women and strengthen community bonds. The event saw the participation of AICRP scientists, the village Sarpanch, Panchayat members, and local farm women, reflecting a united effort to promote self-reliance and inclusive rural development



PAU trains Agri Officers to Curb Paddy Straw Burning

Manjeet Singh, dean of the College of Agricultural Engineering and Technology and head of the FMPE department, said that the refresher course would help the officers play a proactive role in curbing straw burning this upcoming season. The department of farm machinery and power engineering (FMPE) at Punjab Agricultural University (PAU), organised a comprehensive “Training of Trainers on Paddy Straw Management to Control Straw Burning.” The programme aimed to equip agriculture officers, development officers, extension officers and assistant agriculture engineers from the department of agriculture and farmer welfare with the latest techniques and tools for effective paddy residue management.



A total of 55 participants from 11 districts including Jalandhar, Kapurthala, SBS Nagar, Ropar, Fatehgarh Sahib, SAS Nagar, Patiala, Moga, Sangrur and Hoshiarpur took part in the training session. They were introduced to a wide range of in-situ and ex-situ straw management practices, developed and promoted by PAU over the last 25 years.

Manjeet Singh, dean of the College of Agricultural Engineering and Technology and head of the FMPE department, said that the refresher course would help the officers play a proactive role in curbing straw burning this upcoming season. Mahesh Kumar Narang, the course coordinator, urged trainees to spread awareness among farmers about the harmful effects of stubble burning and the sustainable alternatives available. He also announced that another similar training session will be conducted on August 11 for officials from the remaining districts of Punjab.

The participants were introduced to several advanced technologies during the session. Manpreet Singh explained sustainable sowing techniques like Happy Seeder, Super SMS, and PAU Smart Seeder for wheat cultivation in paddy fields. Aseem Verma focused on in-situ paddy incorporation methods including Super Seeder and both wet and dry mixing machinery.

Jasvir Singh Gill addressed surface seeder technology and weed management, while Baldev Dogra educated participants on various balers and their functioning. Discussions also included renewable energy applications as Ashwani Soni highlighted bio-CNG and slurry management, and Iqbal Singh elaborated on using paddy straw as an alternative energy source.

Adding to the knowledge-sharing, Priya Katyal from the microbiology department shared PAU's experience with bio-decomposers for efficient straw breakdown. Manmeet Kaur from extension education detailed methods to influence behavioural change among farmers by involving women, children, and community leaders to promote adoption of clean practices.

Officers engaged deeply with experts, seeking solutions tailored to their local challenges.

Source : <https://www.hindustantimes.com/cities/chandigarh-news/ludhiana-pau-trains-agri-officers-to-curb-paddy-straw-burning-101754681981166.html>



NAAS in policy paper 135, Recommended for Directorate and increase no of Agricultural Engineers in state's Department and other Organisation

National Academy Of Agricultural Sciences (NAAS), NEW DELHI in its Policy Paper 135 - Accelerating Farm Mechanization to Achieve the Goal of Viksit Bharat recommended the following :

“Establishing a Directorate of Agricultural Engineering is essential to drive systematic planning, implementation, and monitoring of agricultural mechanization and engineering interventions at ground level. A dedicated Directorate would serve as a central National Academy of Agricultural Sciences 15 coordinating body to integrate research, policy formulation, and field-level execution of mechanization programs, ensuring greater accessibility of advanced farm machinery to small and marginal farmers.

With rapid advancements in precision agriculture, AI-driven automation, and climate resilient mechanization, there is a pressing need for a specialized institution in each state to bridge the gap between innovation and practical implementation. Such an institution in the form of a Directorate in the state would work in collaboration with ICAR institutes, SAUs, KVKs, and private sector stakeholders to promote research, training, and capacity building in agricultural mechanization. The Directorate/ Department would also help in strengthening CHCs, facilitating PPPs, and ensuring efficient disbursement of financial incentives for the mechanization services.

A well-structured Directorate is envisaged to play key role in monitoring regional mechanization trends, assessing regional requirements, fostering innovation, enhancing institutional support, formulating data-driven policies, and streamlining policy execution.”

The Policy Paper came out in this document form as The Academy organized a brainstorming session on “Interventions for Accelerating Indian Farm Mechanization to Achieve the Goal of 75% by 2047”. I take this opportunity to thank the Convener (Dr. S.N. Jha) and Co-Convener (Dr. K.P. Singh); Reviewers (Prof. Gajendra Singh and Prof. V.K. Tewari) and Editors (Dr. V.K. Baranwal and Dr. R.K. Jain) for bringing out this document.

POLICY PAPER 135

Accelerating Farm Mechanization to Achieve the Goal of Viksit Bharat



NATIONAL ACADEMY OF AGRICULTURAL SCIENCES, NEW DELHI
August 2025

- CONVENER** : Dr. S.N. Jha, Deputy Director General, Agril. Engineering (ICAR)
- CO-CONVENER** : Dr. K.P. Singh, Assistant Director General, Farm Engineering, (ICAR)
- REVIEWERS** : Prof. Gajendra Singh, Former Deputy Director General, Agril. Engineering (ICAR)
: Prof. V.K. Tewari, Director, Indian Institute of Technology, Kharagpur
- EDITORS** : Dr. V.K. Baranwal
: Dr. R.K. Jain
- CITATION** : NAAS 2025. Accelerating Farm Mechanization to Achieve the Goal of Viksit Bharat. Policy Paper No. 135, National Academy of Agricultural Sciences, New Delhi: 22 pp.

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Prime Minister Shri Narendra Modi inaugurates Bharat Ratna Dr. M.S. Swaminathan Centenary International Conference in Delhi

On 7th Aug. 2025, Prime Minister Shri Narendra Modi today inaugurated the *Bharat Ratna Dr. M.S. Swaminathan Centenary International Conference* at Pusa, New Delhi. The ceremony was presided over by Union Minister of Agriculture & Farmers' Welfare and Rural Development, Shri Shivraj Singh Chouhan. On this occasion, Shri Shivraj Singh highlighted the meaning of life, stating that true life is one lived for others. "Those who live for the country, for society, for humanity, for the world — they alone realize the true purpose of life. Dr. Swaminathan was such a personality, who dedicated his entire life for others. Following the path shown by Swaminathan Ji, we will ensure that there is no hunger or deprivation in our country or in the world."

Recalling Dr. Swaminathan's contributions, the Union Minister said that during the Bengal famine of 1942–43, when millions were pushed to the brink of starvation, Swaminathan Ji was deeply moved. He dedicated himself to agriculture, farmers, and the eradication of hunger. Shri Chouhan said: "Let me remind you that in 1966, 18,000 tonnes of Mexican wheat were brought from Mexico. By hybridizing it with Punjab varieties, a new wheat variety was developed, due to which production increased from 5 million tonnes to 17 million tonnes in just one year. Dr. Swaminathan was the father of the Green Revolution, and the agricultural science framework he established continues to work strongly in the right direction."



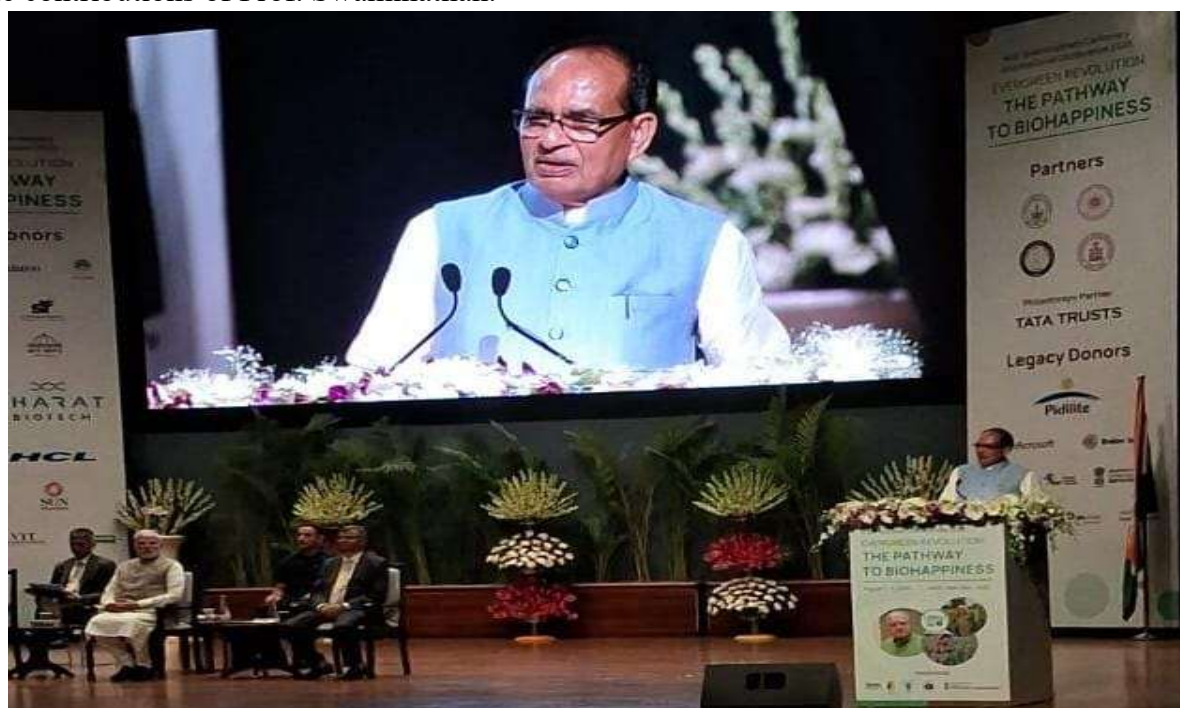
Reaffirming the government's commitment to agricultural development and farmers' welfare, Shri Chouhan said: "Every word of Prime Minister Shri Modi is like a mantra for us. A year ago, when the Prime Minister visited this Pusa campus, he told us — connect the Lab to the Land. Until science and farmers come together, agriculture will not progress in the right direction. Inspired by the Prime Minister, today several initiatives are being carried out, including Lab to Land. Among these are the *Krishi Chaupal* and the *Viksit Krishi Sankalp Abhiyan*. Under this campaign, 2,170 teams of scientists were formed, which visited more than 64,000 villages and directly engaged with over 10 million farmers."

Speaking about food grain production, the Union Minister noted that the country's situation has greatly improved. "We are surplus in rice, self-sufficient in wheat, and building food grain storage systems. Under the Prime Minister's leadership, today 800 million people are receiving free rations."

Shivraj Singh Chouhan also stressed the need to increase per-hectare productivity of pulses and oilseeds. "Whether soybean, groundnut, mustard, sesame, or pulses like gram, lentils, urad, and arhar — we are working under the leadership of the Prime Minister to increase their yields."

The Union Minister further informed that under the leadership of the Prime Minister, a *Natural Farming Mission* has been launched. "So that future generations too can continue to receive grains, fruits, and vegetables from the soil, we are working through this mission with scientific rigor and seriousness."

This conference, organized to mark the birth centenary of eminent agricultural scientist and pioneer of food security, Prof. Dr. M.S. Swaminathan, is being held from August 7–9, 2025, at the Pusa Campus, New Delhi. It is jointly organized by the M.S. Swaminathan Research Foundation, Ministry of Agriculture & Farmers' Welfare, Indian Council of Agricultural Research (ICAR), and the National Academy of Agricultural Sciences. The theme of the conference is "*Evergreen Revolution – The Path to Bio-happiness*." On this occasion, Shri Shivraj Singh also viewed an exhibition depicting the life and invaluable contributions of Prof. Swaminathan.



Union Minister of Agriculture, Farmers' Welfare and Rural Development, Shri Shivraj Singh Chouhan, attended the Foundation Day celebrations of the Indian Council of Agricultural Research (ICAR) in New Delhi.

Union Minister of Agriculture, Farmers' Welfare and Rural Development, Shri Shivraj Singh Chouhan, attended the Foundation Day celebrations of the Indian Council of Agricultural Research (ICAR) on July 16, 2025, New Delhi. On this occasion, he said that research will no longer remain confined to Pusa, but will now be conducted according to farmers' needs — One Team, One Task. Research will be demand-driven. Shivraj Singh also appealed to farmers to immediately report any suspicion of fake fertilizers or seeds to the toll-free number 18001801551, adding, "I will not spare the dishonest." He also said that the government is preparing a Seed Act and a Pesticide Act, which will contain provisions for the strictest punishments.

Extending greetings and congratulations to all scientists on ICAR's Foundation Day, the Union Minister said that today is a day of joy and pride. "When we listen to a song, the word 'victory' in it is not for the song, but for ICAR. The lamps here, the winds, the dark clouds, the crops all are saying 'Victory to ICAR.' Cows, oxen, sheep, goats, fish — all are saying 'Victory to ICAR.' The 80 crore people receiving free rations are also saying 'Victory to ICAR.' There was a time when we were compelled to eat America's rotten PL-480 wheat. Today, we are proud that the country's granaries are full, we are exporting wheat, and we have so much rice that we lack storage space. This year we have achieved record production."

The Union Agriculture Minister said: "Our food grain production increased annually by 2.7 million tonnes during the Green Revolution period of 1966–79; by 6.1 million tonnes from 1980–90; by 3.9 million tonnes from 1990–2000; by 3.9 million tonnes from 2000–2013. But from 2014 to 2025, this has risen to 8.1 million tonnes per year. The Green Revolution changed the direction of the country, but in the past 10–11 years, production has grown 2.5 to 3 times faster despite the threats of climate change, rising temperatures, shrinking agricultural land, and urbanization."

Providing further data, Shivraj Singh said that in fruits and vegetables, production increased annually by 1.3 million tonnes during 1966–80; 2 million tonnes from 1980–90; 6 million tonnes from 1990–2000; 8.2 million tonnes from 2000–2014; and now production is increasing by 7.5 million tonnes per year. In milk production, with breed improvement, annual growth was 0.9 million tonnes in 1966–80; 2.2 million tonnes in 1980–90; 2.5 million tonnes in 1990–2000; 4.2 million tonnes in 2000–2014; and 10.2 million tonnes from 2014–25. Similarly, production in fisheries and poultry has also increased. He credited these achievements to the farmers and the scientists conducting research.

Calling scientists "modern sages" who use their intellect for the greater good, Shivraj Singh shared an anecdote of a famous scientist so absorbed in research that he failed to recognize his own wife, underscoring the dedication of researchers.

The Union Agriculture Minister added: "We have achievements, but also challenges. Food security must be ensured for our growing population. While populations are declining in countries like China and Japan, causing them concern, our population is not a burden — we can turn it into strength. We need abundant food grains, nutritious diets, and must also maintain soil health. Excessive chemical fertilizers and pesticides should not make the earth barren."



He emphasized that diversification cannot happen merely by distributing seeds. Farmers will diversify only if trade and export-import policies bring them greater benefits. Scientists face the challenge of increasing per-hectare productivity, particularly of pulses and oilseeds. “In France, wheat productivity is 68.80 quintals per hectare, while we are around 50. Other crops too need yield improvements. In cotton, although many varieties have been released, production has declined due to viral attacks on Bt cotton. In sugarcane, red rot disease is a problem. Where crops are being affected, more research is needed. Farmers are demanding machines that can detect fake fertilizers instantly — this is a legitimate demand and the government’s responsibility. Farmers sometimes buy seeds that do not germinate, and companies wash their hands of accountability. We are taking strong measures in this regard.”

He said that earlier, around 30,000 biostimulants were being sold without proper checks. Now, a system has been put in place that requires certification from an ICAR institution. Similarly, farmers are demanding small machines suitable for small holdings, and innovations like extending tomato shelf life. “The subjects that farmers raise must be the focus of research. When signing MOUs, ensure that seed prices are fair, with a scientific mechanism for deciding MRP. Farmers have even suggested that, just like generic medicine stores, government should open pesticide outlets.”

Shivraj Singh said that Prime Minister Shri Narendra Modi’s commitment is farmers’ welfare. “₹2 lakh crore is given as fertilizer subsidy alone. Crop insurance claims worth ₹1.40 lakh crore have already been paid. There are also subsidies for polyhouses and greenhouses, among many other facilities. Let us make ICAR’s Foundation Day meaningful by pledging research that meets farmers’ needs. This is my prayer and appeal.” Addressing scientists, he said: “You have talent, capability, and expertise. Do not treat this as just a task. The life of a scientist is a yajna — a sacrifice for others. It is not just for India, but for the whole world, because India sees the world as one family. Invoke your inner divinity and resolve to use your talent in the best way, on subjects that truly matter. You will not only increase farmers’ income but also contribute to the making of a developed India. In a world consumed by materialism, only India can guide humanity toward the path of eternal peace.”

He also emphasized the need for work in integrated farming — livestock rearing, fisheries, bamboo cultivation, all within small farms.

On this occasion, Union Minister of State for Agriculture & Farmers’ Welfare Shri Bhagirath Choudhary, Union Agriculture Secretary Shri Devesh Chaturvedi, and ICAR Director General Dr. Mangi Lal Jat also shared their views. Progressive farmers, scientists, and institutions were honored by Shivraj Singh, along with the launch of products and release of publications.



Govt. of Maharashtra Appointed Director Agricultural Engineering

We are happy to inform that Maharashtra Govt. has now appointed Director Agricultural Engineering.

Congratulations to all fraternity for getting created Director Agril. Engineering in Maharashtra. After Chhatisgarh this is the biggest achievements.

We are really extremely happy and thanks all for their endeavours. Congratulations again

कृषि संचालक व कृषि सहसंचालक संवर्गातील अधिकार्यांना बदलीने पदस्थापना/अतिरिक्त कार्यभार देण्याबाबत..

महाराष्ट्र शासन
कृषी, पशुसंवर्धन, नुष्यव्यवसाय विकास व मत्स्यव्यवसाय विभाग
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मंत्रालय, मुंबई - ४०००३२,
दिनांक : १० जुलै, २०२५.

संदर्भ:-१) महाराष्ट्र शासकीय कर्मचाऱ्यांच्या बदल्यांचे विनियमन आणि शासकीय कार्ये पार पाडताना होणाऱ्या विलंबास प्रतिक्रिये अधिनियम, २००५ वी दिनांक २५.०५.२००६ ची अधिसूचना.

२) कृषि व पशु विभाग शासन निर्णय क्र. आकृ.वि-२३२४/प्र.क्र.६५/१५ जे, दिनांक ३०.०८.२०२४

३) कृषि व पशु विभाग शासन निर्णय क्र. आकृ.वि-२३२४/प्र.क्र.६५/१५ जे, दिनांक १४.१०.२०२४

४) मा.महाराष्ट्र प्रशासकीय न्यायाधिकरण, मुंबई येथे मूळ अर्ज क्र.१४०९/२०२४ मध्ये मा.न्यायाधिकरणाने दिनांक २४.०५.२०२५ चे आदेश.

शासन आदेश :-

सन २०२४ मध्ये कृषि संचालक संवर्गातील बहुतांश पदे रिक्त असल्याने प्रशासकीय अडचणी येत होता. सदर पदे पदोन्नतीने भरण्यासाठी निम्न संवर्गात ३ वर्षांचा कालावधी पूर्ण झालेले अधिकारी उपलब्ध नव्हते. सदर पदे पदोन्नतीने भरण्यास काही कालावधी लागण्याची शक्यता असल्याने, क्षेत्रवस्तरावर कामकाजात अडचणी निर्माण होऊ नयेत म्हणून, संदर्भ क्र.२ येथील दिनांक ३०.०८.२०२४ च्या शासन निर्णयान्वये कृषि संचालक संवर्गातील ६ पदे कृषि सहसंचालक संवर्गाच्या येतनक्षेत्रीमध्ये क्षेत्री अन्वयत करून, कृषि सहसंचालक संवर्गातून तात्पुरत्या स्वरूपात भरण्याचा निर्णय घेतला आहे. त्यानुसार संदर्भ क्र.३ येथील दिनांक १४.१०.२०२४ च्या शासन आदेशान्वये कृषि सहसंचालक संवर्गातील अधिकार्यांना तात्पुरत्या स्वरूपात संचालक संवर्गातील पदस्थापना करण्यात आली आहे:-

२) मा.महाराष्ट्र प्रशासकीय न्यायाधिकरण, मुंबई येथे दाखल मूळ अर्ज क्र.१४०९/२०२४ संदर्भात मा.न्यायाधीकरणाने दिनांक २४.०५.२०२५ रोजी दिलेल्या आदेशान्वये वरील दिनांक १४.१०.२०२४ रोजीचा शासन आदेश रद्द केला आहे.

३) त्यानुषंगाने महाराष्ट्र शासकीय कर्मचाऱ्यांच्या बदल्यांचे विनियमन आणि शासकीय कार्ये पार पाडताना होणाऱ्या विलंबास प्रतिक्रिये अधिनियम, २००५ मधील कलम ४ (६) आणि ४ (६) मधील तरतुदीनुसार बदली करण्यास सक्षम असलेल्या अधिकार्यांच्या माध्यमे या विभागातील महाराष्ट्र

शासन आदेश क्रमांक आकृ.वि-१२२५/प्र.क्र.१०६/१५-जे

कृषि सेवेतील कृषि संचालक व कृषि सहसंचालक संवर्गातील अधिकार्यांना खालील तक्त्यात दर्शविल्याप्रमाणे बदलीने पदस्थापना/अतिरिक्त कार्यभार देण्यास शासन मान्यता देण्यात येत आहे:-

अ.क्र.	अधिकार्याचे नांव व सध्याची पदस्थापना	बदलीने पदस्थापना/अतिरिक्त कार्यभार
१	श्री. किरणजी अशोक हनमंतअप्पा, कृषि संचालक, कृषि तंत्रज्ञान व्यवस्थापन यंत्रणा (आय.ए.ए.), कृषि आयुक्तालय, पुणे	निर्णयित पदस्थापना- संचालक (निविदा व गुणनियंत्रण), कृषि आयुक्तालय, पुणे अतिरिक्त कार्यभार - संचालक, महाराष्ट्र राज्य फलोत्पादन आणि औषधी वनस्पती मंडळ, पुणे
२	श्री.माने अंकुश मास्ती, संचालक, महाराष्ट्र राज्य वीज प्रमाणिकरण यंत्रणा, अकोला	निर्णयित पदस्थापना- संचालक (फलोत्पादन), कृषि आयुक्तालय, पुणे अतिरिक्त कार्यभार - संचालक (कृषि अभियांत्रिकी संचालनालय), कृषि आयुक्तालय, पुणे
३	श्री.नाईकबाजी रमिकसाब शमदभाई, संचालक (विस्तार व प्रशिक्षण), कृषि आयुक्तालय, पुणे	निर्णयित पदस्थापना- कृषि सहसंचालक (विस्तार व प्रशिक्षण-२), कृषि आयुक्तालय, पुणे अतिरिक्त कार्यभार - संचालक (विस्तार व प्रशिक्षण), कृषि आयुक्तालय, पुणे
४	श्री.बोरकर सुनिल चंद्रकांत, संचालक (निविदा व गुणनियंत्रण), कृषि आयुक्तालय	निर्णयित पदस्थापना- कृषि सहसंचालक (मृदसंचार), कृषि आयुक्तालय, पुणे अतिरिक्त कार्यभार - संचालक, कृषि तंत्रज्ञान व्यवस्थापन यंत्रणा (आय.ए.ए.), कृषि आयुक्तालय, पुणे
५	श्री.डिडेकर साहेबराव कोडीराम, विभागीय कृषि सहसंचालक, लातूर	सध्या कार्यरत पदाची कतेव्य व जाबाबदारी सांभाळून संचालक, महाराष्ट्र राज्य वीज प्रमाणिकरण यंत्रणा, अकोला या पदाचा अतिरिक्त कार्यभार

४. उपरोक्त अधिकार्यांनी आपल्या पदाचा कार्यभार समकक्ष या नजीकच्या कनिष्ठ अधिकार्याकडे सोपवून निवृत्तीच्या ठिकाणी तात्काळ रुजू व्हावे व तसा अहवाल आयुक्त (कृषि), महाराष्ट्र राज्य, पुणे यांच्यामार्फत शासनास सादर करावा.

५. संबंधित नियंत्रण अधिकार्यांनी बदली झालेल्या अधिकार्यांना कोणत्याही प्रकारची रजा मंजूर न करता त्यांच्या सध्याच्या पदभारानुसार तात्काळ कार्यमुक्त करावे व त्यांच्या बदलीच्या जागी रुजू होण्यास सांगावे, जे नियंत्रण अधिकारी बदली झालेल्या अधिकार्यांना विशिष्ट मुदतीत कार्यमुक्त करणार नाहीत, अशा अधिकार्यांविरुद्ध शिस्तभंग कारवाईचा प्रस्ताव आयुक्त (कृषि) यांनी शासनास सादर करावा.

६. आयुक्त (कृषि), महाराष्ट्र राज्य, पुणे यांनी सदरचे आदेश तात्काळ अंमलात येतील हे कृपया पहावे.

पृष्ठ ३ पैकी २

शासन आदेश क्रमांक आकृ.वि-१२२५/प्र.क्र.१०६/१५-जे

६. सदर शासन निर्णय महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक २०२५०८१०१५०८३०२३०१ असा आहे. हा आदेश डिजिटल स्वाक्षरीने साक्षीकृत करून काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने

VISHAL
DATTATRAY TEKE

(विशाल टेके)

कार्यालय अधिकारी, महाराष्ट्र शासन

प्रति,

१. मा.मंत्री (कृषि) यांचे खाजगी सचिव, मंत्रालय, मुंबई.

२. मा.मंत्री (फलोत्पादन) यांचे खाजगी सचिव, मंत्रालय, मुंबई.

३. प्रधान सचिव (कृषि) यांचे स्विच सहायक, कृषि व पशु विभाग मंत्रालय, मुंबई.

४. महालेखापाल (लेखा व अनुज्ञेयता) (लेखा परिक्षा) ५, महाराष्ट्र मुंबई / वायगुर.

५. आयुक्त (कृषि) आयुक्तालय, महाराष्ट्र राज्य, पुणे.

६. सर्व संचालक, कृषि आयुक्तालय, पुणे.

७. सर्व विभागीय कृषि सह संचालक.

८. कृषि सह संचालक, (आस्थापना), कृषि आयुक्तालय, पुणे.

९. संबंधित विस्तार कोषागार अधिकारी (व्यवसाय आयुक्त (कृषि), पुणे).

१०. संबंधित अधिकारी (व्यवसाय आयुक्त (कृषि), पुणे).

११. निवड नरती / १५३.

पृष्ठ ३ पैकी ३

Upcoming Events



59th ANNUAL ISAE CONVENTION

on
Engineering Innovations for Agriculture 5.0

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August 31, 2025

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Award's

Dr. Ambrish Kumar, received the Eminent Agricultural Engineers award

Dr. Ambrish Kumar, received the Eminent Agricultural Engineers award received from Institution of Engineers in the National convention at Lucknow 29-30 Aug. 2025.



President ISAE Dr, S. N. Jha delivered Ratindranath Tagore Memorial Award in 37th Annual convention of Agricultural Engineering division of Institution of Engineers

President ISAE Dr, S. N. Jha delivered Ratindranath Tagore memorial Award in 37th Annual convention of Agricultural Engineering division of Institution of Engineers. Rathindranath Tagore's life was a tapestry of accomplishments, leaving an indelible mark on India's cultural, educational, and agricultural landscapes. Explore how his innovations in agriculture, transformative role at Santiniketan, and contributions to literature and art continue to influence generations.

The Dr. Jha in his lecture enumerated the impact of Agricultural Engineering on Indian Agriculture and elaborated that how the Agricultural Engineering is the best branch of study for newcomers. He also emphasized that Agricultural Engineers should contribute to society positively and show the impact and advertise the same in public through several media. Dr. Jha also requested the Institution of Engineers, Asian Association of Agricultural Engineering to come together with ISAE and show larger pictures to policy makers to accept the need of Agricultural Engineering in different departments.

He also requested the gathering to become vocal for local and help in increasing manufacturing and export of Agricultural machinery. Dr. Jha here also emphasized the need of the Directorate of Agricultural Engineering in each staff and requested to seniors and middle level professionals to emphasize the same wherever they go and address different events.



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