



**From the Director's Desk**



Increased level of farm mechanization has proved its contribution in increasing the productivity of crops. Modern tools and techniques are enhancing the agricultural productivity. Modern tools and techniques requires trained human resource for its efficient utilization. It also required well designed training programs for catering the need technological changes so as to have trained manpower for an early acceptance of technological developments. Rapid changing scenario of the use of precision input technologies, Make in India policy of the government to support manufacturing of precision technologies. It is creating opportunities to change the system of training and testing facilities/protocols for such technologies. Large number of manufactures of battery operated equipments, drones, lot based technologies are approaching the institutes and it is very soon expected to have AI based technologies near future in agri systems.

It's a challenging and providing new opportunities to sensitize the trainees to develop a range of skills for its faster dissemination in the farming community. Moreover, projections of involvement of women farmers in future focusing the courses women friendly technologies. Courses on operation, repair and maintenance of battery operated, drone operated and lot based equipments for imparting skills to rural youth for employment generation has now became need of the hour. Being Nodal office to Southern India, efforts are being made by Institute on new testing guidelines, guidance to the testing centres, future upgradation possibilities of testing centers. Liasoning with the power tiller, and other allied industries for collaborative efforts for overall development of training and testing activities are also being focused. These efforts are increasing the participation of industry, State and Central government Institutions, FPOs, NGOs, other stakeholders to get themselves upgraded with required skills.

I am happy to share this Newsletter with all stakeholders which majorly focuses on the efforts made by various sections of the Institute for overall upgradation of various activities such as training, testing and farm. Upgradation of display of the recent technological developments from industry as well as R&D Institutes to sensitize the graduate agricultural engineers, allied agricultural graduates, management trainees, farmers, FPOs and other stakeholders is being attempted. Efforts are also focused on creation of state-of-art facility for drone training, battery operated and other allied machinery testing through digitization initiatives. Interaction with machinery manufacturers for testing of implements at Institute, etc has been accelerated. Institute has signed MoU with M/s. Kirloskar Oil Engine Ltd. (KOEL), Kolhapur-416202 Maharashtra for creation of training facility at Institute. Institute has Imparted need based, academic training to graduate engineers with enrollment of 902 trainees in a month (under various course in-campus & off-campus) at a time. Total number of training trained in last quarter is 2064 & this financial year is 5212 against the target of 5200 & achieved 100% of target in this FY 2023-24. Generated revenue ₹ 2,70,250/- in last quarter & during FY 2023-24 is ₹ 20,72,000/- through training. Total 31 test reports have been released in last quarter covering 05 different category of machinery. Total reports released in this financial year is 113 against the target of 90 & achieved 125% of target in FY 2023-24. Total revenue earned by testing in last quarter is ₹ 44,66,539/- & FY 2023-24 is ₹1,87,86,378/-.

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Farm section has generated the revenue of ₹75,498/- in last quarter and total revenue generated by farm section and auction of scrap is FY 2023-24 is ₹ 9,43,021/- and ₹ 13,31,406/-, respectively. Total revenue generated by the Institute FY 2023-24 is ₹ 2,31,62,804/-. A review meeting on Indian Standard of power tiller was organized, ISO certification extended for one more year. About 338 students from school visited. Visit of various farmers groups, Industry personnel and visits to industries by Director is creating a bond between Industry. Various efforts are being made to make the Institute as centre of excellence in farm mechanization. Newer technology developments by the manufacturers enabling to create new testing facility in southern India. I am thankful for constant support received from officers and officials at the Ministry.

## Training Section

### TRAINING AT A GLANCE

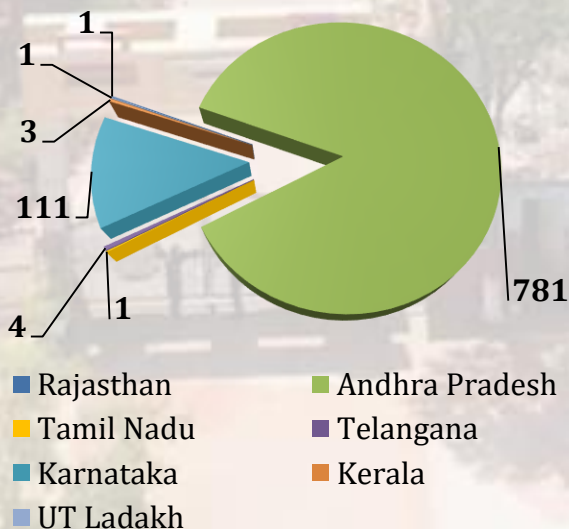
- Total trainees trained during this **last** quarter of 2023-24 is accounts to be 2064. Total 5212 trainees trained against target of 5200 and achieved **100%** of annual target 2023-24.
- Types of training conducted in the last quarter of 2023-24 are of four types viz. Academic level, Need Based, U-5 for women farmers & Management Level courses in 20 batches.
- Revenue generated during last quarter is ₹ **2,70,250/-** and total revenue generated during 2023-24 is ₹ **20,72,000/-**
- Total number of trainees trained is 2064 covering **9 States** of India. The state-wise participation of trainees during January to March 2024 is given below:

SN.	State	January	February	March	Total
1	Andhra Pradesh	781	612	264	1657
2	Tamil Nadu	1	25	0	26
3	Telangana	4	4	11	19
4	Karnataka	111	244	0	355
5	Kerala	3	0	0	3
6	Maharashtra	0	1	0	1
7	Rajasthan	1	0	0	1
8	West Bengal	0	1	0	1
9	UT Ladakh	1	0	0	1
<b>Sub-Total</b>		<b>902</b>	<b>887</b>	<b>275</b>	<b>2064</b>

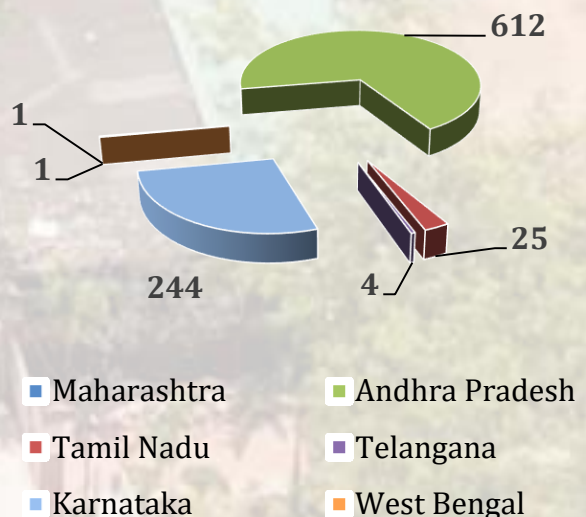
### Target & Achievement

In the month of January 2024, training imparted to 902 trainees in the A-1/NB/ Management level & U-5 courses for women farmers. The participation was more from Andhra Pradesh followed by Tamil Nadu, Telangana, Karnataka, Kerala, Rajasthan and UT Ladakh. Moreover, in February 2024 the training imparted with quantity of 887 trainees in the A-1 series/NB/ Management level courses & U-5 courses for women farmers. The participation of the trainees was from Andhra Pradesh, Tamil Nadu, Telangana, Karnataka, West Bengal and Maharashtra. In last month of the quarter March 2024, training imparted to 275 trainees in the A-1 series/NB series/ management level courses & U-5 courses for women farmers. Moreover, the participating States were namely Andhra Pradesh & Telangana. In this quarter the training section of the Institute has trained total number of 2064 trainees from 09 different States of the country & achieved 100% of training target for FY 2023-24.

State-wise Trainees Trained in January

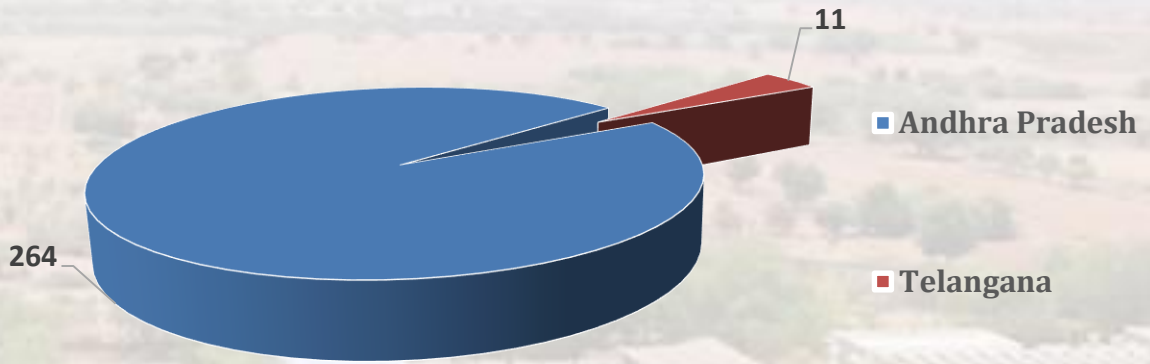


State-wise Trainees Trained in February



## Training Section

### State-wise Trainees Trained in March 2024



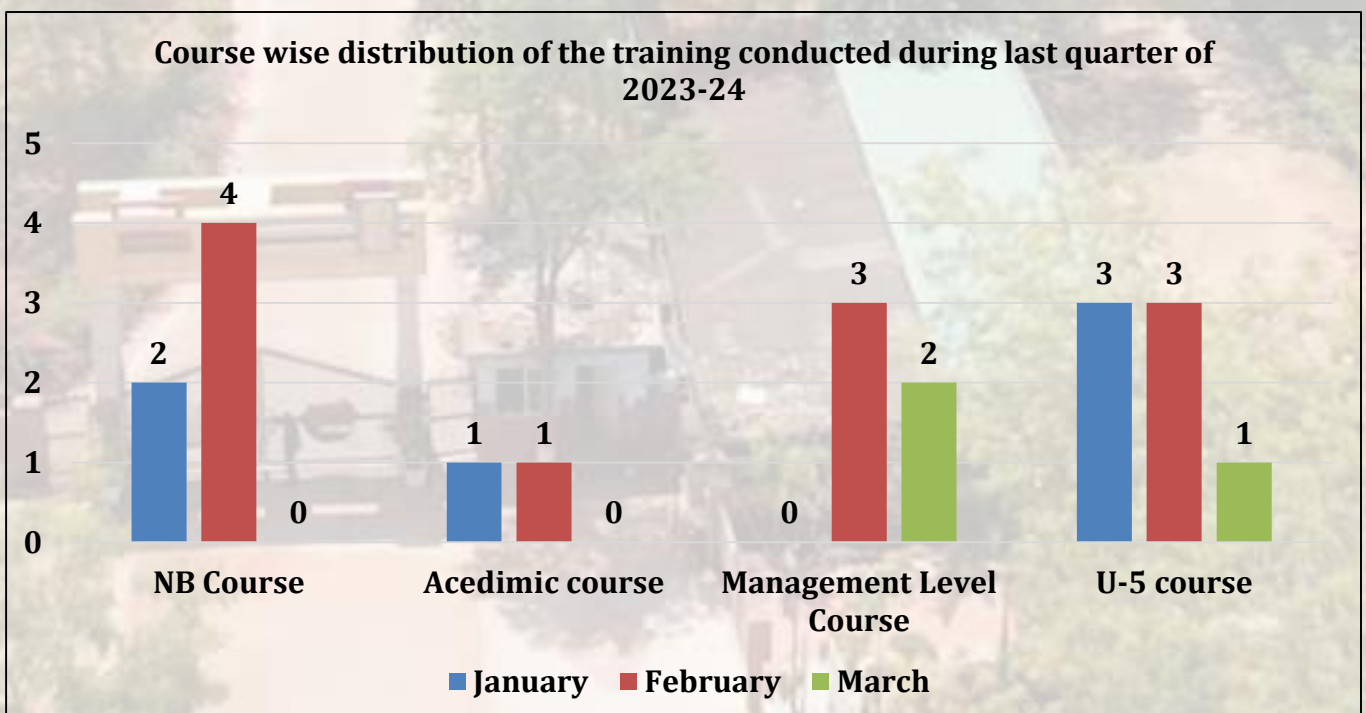
### Feedback on Training

Training feedback is being taken by the section of the Institute at the end of every completed course to ascertain the level of knowledge & skills imparted by training staff to the participants and improve the training facility, food facility, hostel facility and courses content etc. It creates an effective learning & development strategy with adequate training programs. The data on feedback was collected, analysed and found that 44%, 31%, 20% & 5% of the trainees rated it as Excellent, Very good, Good & Average respectively. It will ascertain whether specific training programs achieved with set objectives or not and whether the learning resources met the expectations & need of trainees for their skill development.



### Courses Conducted

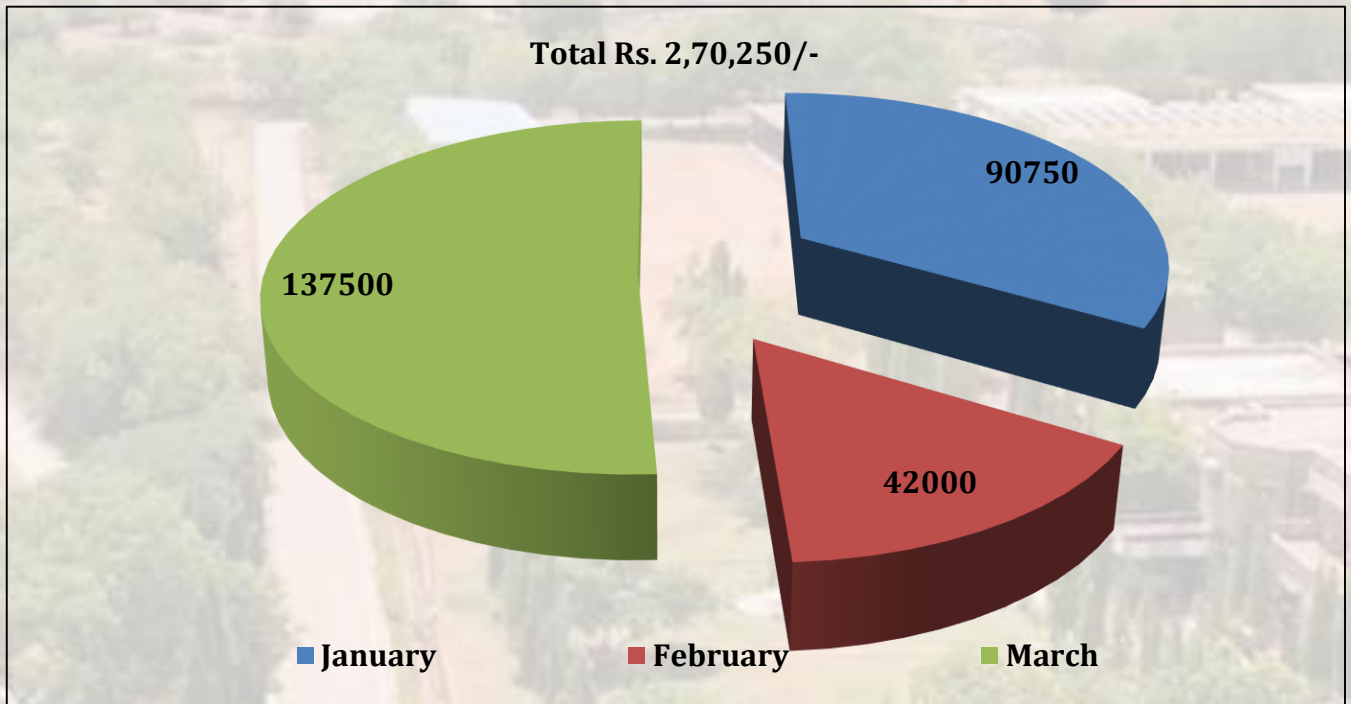
Various courses such as Need Based, Academic level / Management level & U-5 course for various stream of participants were organized. Total 2064 number of participants were trained in 20 batches during January 2024 to March 2024. Course-wise distribution of the training conducted is given in figure below:



## Training Section

### Revenue generation

After opening the doors for students from various private university and diploma holders under the able guidance and leadership of competent authorities, training section generated revenue of Total ₹ 2,70,250/- revenue has been generated during January 2024 to March 2024. Total revenue generated till the end of this FY 2023-24 is ₹ 20,72,000/-. Continuous efforts are being made by section to develop new line of courses considering the requirements of industry as well as other stake holders.



### Success Story- Women's training special

Training section of SRFMTTI achieved a sum of 1722 women's farmers (including girls trainees) trained at a time in this 4<sup>th</sup> quarter. SRFMTTI training section marked a history towards to training such high number of women with the use of improved manual tools in the field of agriculture mechanization. Empowering and mainstreaming rural women workforce in agriculture allowing women to gain knowledge & generate income through agricultural activities and enhance productivity. Number of such programs focusing to women farmers were conducted in U5 level courses as well as A1 level courses. Women's from various States participated and well responded to the training organised by this Institute.



## Testing Section

### Testing at a Glance

1. Testing of the tillage, sowing, intercultural, harvesting and threshing machinery such as mouldboard plough, rotavator, cultivator, multi-crop harvester and thresher etc. has been resumed in this quarter.
2. Total number of machines received in this quarter is 44, machines taken-up for test and draft reports released is 35 and 24, respectively.
3. In this quarter, 38 new applications were received 23 test reports were released and total reports released I<sup>st</sup> and II<sup>nd</sup> & III<sup>rd</sup> & IV<sup>th</sup> quarter of 2023-24 is **113** against the target of **90**. Achieved **125%** of target for financial year 2023-24.
4. The total revenue generated in the month of January, February & March is **Rs. 44,66,539/-** and 38 new application received in this quarter. Total revenue collection for this financial year 2023-24 is **Rs. 1,87,86,378/-**.
5. One day meeting under convenership of Director SRFMTTI along with **Power Tiller Manufacturers (PTI)** to review the **Indian standards on power tiller** and discuss the guidelines for testing of power tiller has been conducted. Delegates of **Dr. K N Agarwal**, Project Coordinator, AICRP on Farm Implements and Machinery, ICAR-CIAE Bhopal, **Dr. Vikrant Chauhan**, Scientist-B/Assistant Director, FAD-BIS and **Dr. Surender Singh**, Advisor to AMMA India participated in meeting scheduled on 02.02.2024 at this institute. Representatives of eight power tiller manufacturers were involved in this meeting.

### Status of testing machinery and category wise testing of machinery

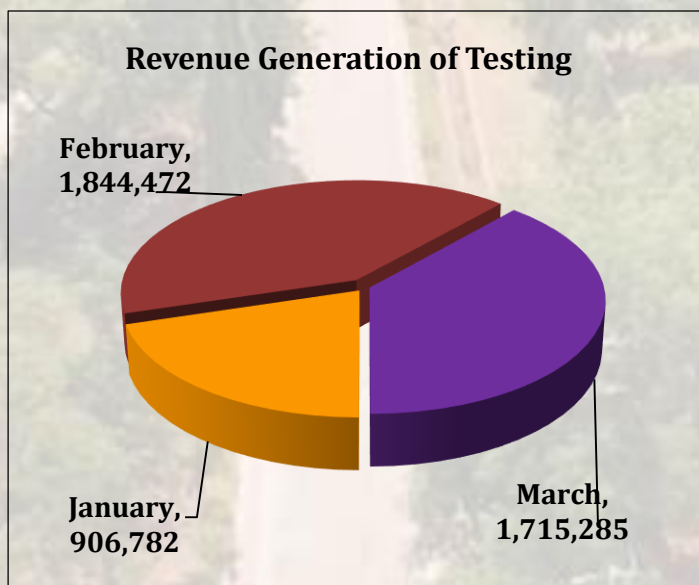
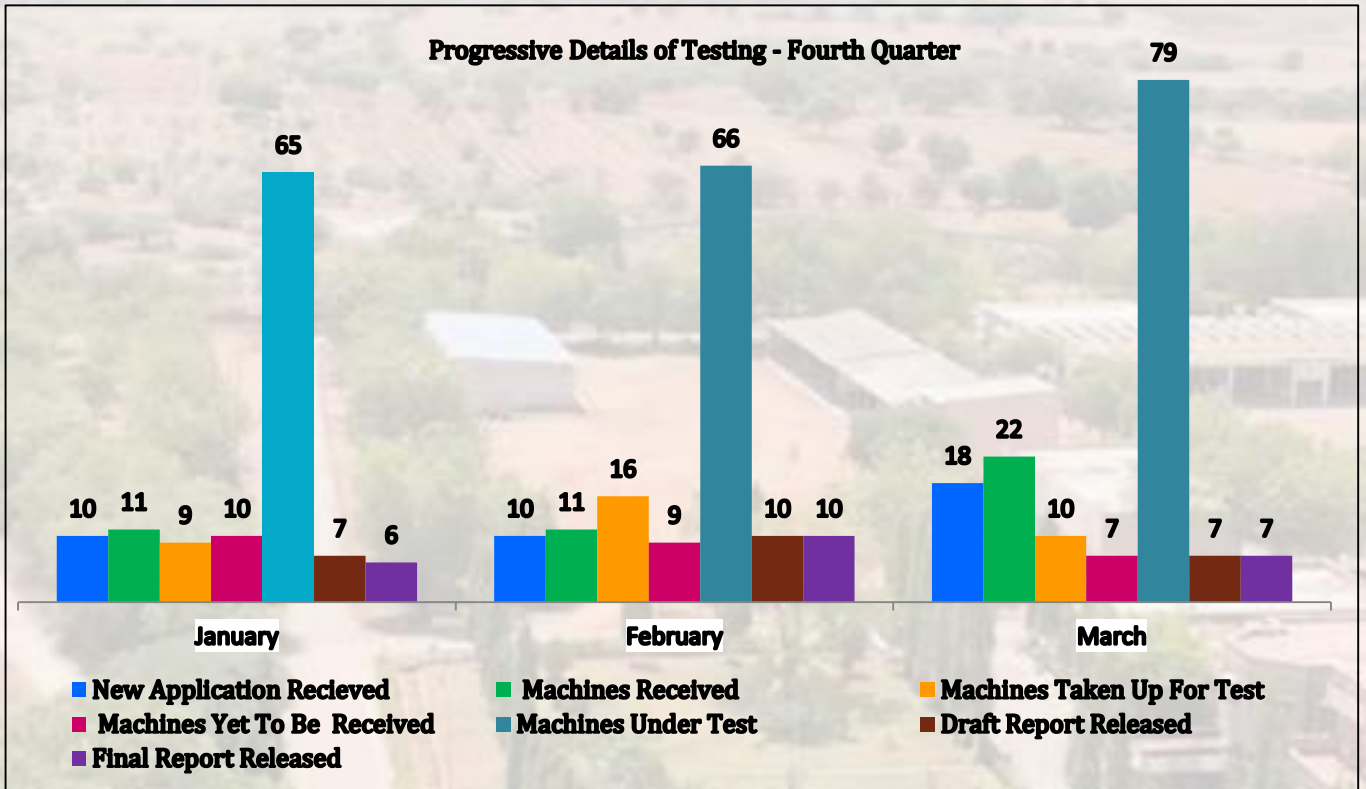
Particulars	JANUARY	FEBRUARY	MARCH	Total
New application received	10	10	18	38
Machines received	11	11	22	44
Machines taken up for test	09	16	10	35
Machines yet to be received	10	09	07	26
Machines under test	65	66	79	210
Draft report released	07	10	07	24
Final report released	06	10	07	23
<b>Revenue generated</b>	<b>9,06,782</b>	<b>18,44,472</b>	<b>17,15,285</b>	<b>44,66,539</b>

### Category wise machine tested

<b>Power tiller</b>	01	01	00	<b>02</b>
<b>Seedbed preparation</b>	00	00	00	<b>00</b>
<b>Inter cultivation</b>	01	05	05	<b>11</b>
<b>Sowing &amp; planting</b>	02	00	00	<b>02</b>
<b>Harvesting &amp; Threshing</b>	01	03	00	<b>04</b>
<b>Tractor trailer</b>	01	01	02	<b>04</b>
<b>Misc.(Blade)</b>	00	00	00	<b>00</b>
<b>Total</b>				<b>23</b>

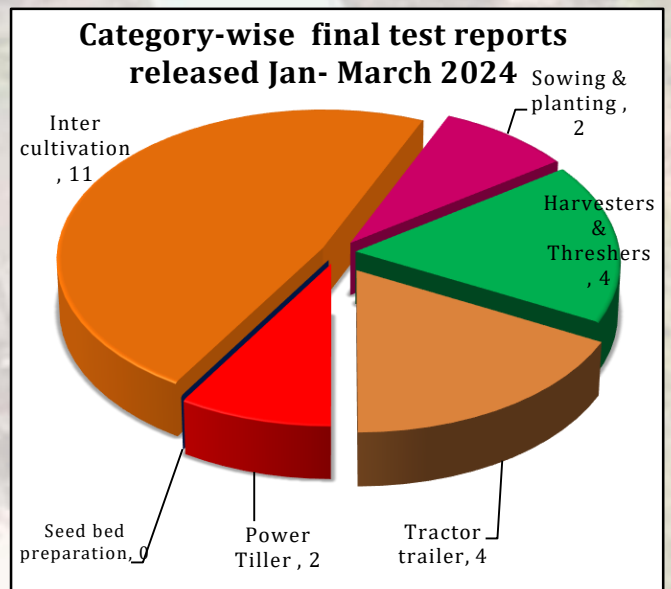
## Testing Section

In this quarter, 38 new applications were received and 23 Final Test Reports have been released.










The total revenue generated in the month of January, February & March is ₹ 44,66,539/-. Total revenue collection in FY 2023-24 is Rs. 1,87,86,378/-. However, various applications are being received and processed in this quarter so as to increase the revenue by engine operated as well as new initiation of the tillage and other non-engine operated machinery. Various requests has been processed are in the final stage to brought it under testing with permission of the competent authority at Ministry

The machines are received from various states such as Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu, Kerala, Chhattisgarh, Odissa, Gujarat and West Bengal etc. Total 23 test reports have been released in this quarter covering 05 different category of various agricultural machines. Total reports released in this financial year is 113 against the target of 90 & achieved 125% of target for this financial year 2023-24. Moreover, the new initiatives on testing of the tillage implements will certainly add to the revenue and increase the number of testing reports to be released in the given financial year 2023-24



**Type of Machinery tested in Qtr.. IV<sup>th</sup>**

Category	Photo of machine	Make and Model of Applicants
Brush Cutter		M/S. Gaja Hitech Agro / 2 Stroke Side Pack, Erode, State-Tamil Nadu-
Power Weeder		M/S. Chowdhary Engineering Works JPC WDR107, Sambalpur, Odisha.
		M/S. Dibyanka Agro India Pvt. Ltd , DP 600 D, Balsore, Odisha.
		M/S. Gaja Hitech Agro G104P, , Erode- 638003, State-Tamil Nadu.
		M/S. Farm & Garden Technologies Texas, AlligatoR 9 DPE, Bengaluru.
		M/S. Farm & Garden Technologies Texas,lilli 832 TG, Bengaluru.
		M/S. Dibyanka Agro India Pvt. Ltd , DP 700P, Balsore, Odisha.
		M/S. Farm & Garden Technologies TEXAS, TX701TG (A), Bengaluru
		M/S. VJ MATERIALS MART, WEIMA, WM1000N, Erode, Tamil Nadu.
		M/S. AGCOAGROTECH, AG04-900 GCB, Pune, Maharashtra.
		M/S. AGCOAGROTECH, AG04-1050G, Pune, Maharashtra.
Paddy Transplanter		M/S. WEIMA, WM1100BE-6, Erode, Tamil Nadu.
		M/S. Yanmar Ap4 Coromandel Agri Solutions, Chennai, TN.
Power Tiller		M/S. Tirth Agro TechnologyShaktiman SPR-37, Rajkot, Gujarat.
		M/S. VST Tillers Tractors VST SHAKTI 165 DI.ES, Bengaluru, Karnataka .
Trailer		M/S. BTL EPC LTD Shrachhi Virat 13HP , , Kolkata , West Bengal.
		M/S. LASERMATIK HYDTRA5, Trailer, Karnal, Haryana..
		M/S. Escorts Limited, Farm power, 5 Tonne, Faridabad, HARYANA.
Reaper		M/S. BHANSALI AGROTECH, 3T2WTT, Ahmednagar, Maharashtra.
		M/S. BHANSALI AGROTECH, 5T2WTT, Ahmednagar, Maharashtra.
Thresher		M/S. NIPHA NPR-4R-120, Sarani, Kolkata , West Bengal.
		M/S. KMC,DAVANGERE16x48, Davanagere, Karnataka.
		M/S. JYOTI, DAVANGERE 16x48 , Davanagere, Karnataka.

**Success Story- Review Meeting on Indian Standard of Power Tiller**

As per the proceedings of 25<sup>th</sup> meeting of FAD 11 held on 24.11.2023, one day meeting was organized under convenership of Director SRFMTTI along with power tiller manufacturers to review the Indian standards on power tiller and discuss the guidelines for testing of power tiller. Institute has conducted first such meeting and with all the power tiller manufacturers as well as Power Tiller Association of India (PTAI) also invited delegates of from ICAR, AMMA, etc. Dr. K N Agarwal, PC AICRP on FIM, ICAR-CIAE Bhopal, Dr. Vikrant Chauhan, Scientist-B/Assistant Director FAD-BIS and Dr. Surendra Singh, Advisor to AMMA India to participate in the meeting and shared their inputs. A thorough discussion/ brainstorming was done on the power tiller testing codes and its definition. About of 8 participants from different power tiller manufacturers involved in this meeting. Total Participants in the meeting were twenty and various issues of the power tiller manufacture were also discussed.



Dr. B.M Nandede Director, SRFMTTI addressed the power tiller manufacturers and delegates from different region about the institute and mandate of testing activities along with review the Indian standards on power tiller. Various discussions were made with group of Power Tiller manufacturers related to power tiller (7.4 of 25<sup>th</sup> meeting of BIS- FAD 11), to discussion on guidelines for testing power tiller for performance evaluation issued by MoA office memorandum 9-9/2023-M&T(I&P) dated 08.01.2024, to discussion on formulate administrative/technical extension on tested power tillers on the pattern of tractors testing in IS:13539-2018. The valedictory session of the meeting was graced under the presence of Dr. K N Agarwal, Project Coordinator ICAR-CIAE Bhopal and Dr. Vikrant Chauhan, Scientist-B/Assistant Director FID-BIS and Dr. Surender Singh, Advisor to AMMA India. Director welcomed felicitated the delegated from all the sections and thanked all the participates fro having such meeting at SRFMTTI



**Memorandum of Understanding (MoU)**

Under the directives of the Ministry SRFMTTI is continuously in touch with the leading manufacturers of India in various segments such as tractor, power tiller, agricultural Machinery so as to collaborate and initiate the industrial training facility for students, farmers, management level people of industry to get exposure to recent technological developments in all the sectors mentioned above. Institute industry collaboration to establish training academy at SRFMTTI is receiving overwhelming response and Institute has signed 04 MoUs with top leading tractor and machinery industry. 5<sup>th</sup> MoU a step towards creation of excellence training academy for catering the need of southern Indian stakeholders was signed on dated 15-03-2024 with M/s. Kirloskar Oil Engine Ltd. (KOEL), Kolhapur-416202 Maharashtra. It will strengthen the training facilities among both parties. M/s Kirloskar Oil Engine Ltd. Representative Mr. Anil. A Joshi General Manager R&D, Mr. Narayan Dhanwade Assistant General Manager & Mr. Rajat H. Tarwatkar, PGET & Director SRFMTTI, Smt. P. Kamalabai, SAE, Sh. Nitesh Kumar present during signing of MoU at SRFMTTI. Director Kirloskar PVT. LTD for joining hands together.



Verma A.E and Sh. Tejbir Singh F.S SRFMTTI congratulated team of



## Interaction with Students, Farmers & Manufactures

### Demonstration on Gender Friendly Equipment's For Women

Conducted total 04 nos. of demonstrations at different locations of Andhra Pradesh. Under U-5 course for women farmers total 1625 women farmers were trained with hands-on training & Demonstration on Selected tools and equipment's popular in the region. The main objective of the program is to increase the involvement of women in agriculture, technology and gender issue, ergonomic considerations of women farmers, assessment of drudgery during work & Improved farm tools and Equipment's for women farmers. Beneficiary such as Progressive farmers, farm machinery owners/operators, extension workers. Such programs also sensitize the involvement of women farmers in agriculture.



Department of Agriculture Tamil Nadu sent group of 12 farmers for 3 days need based training program on recent technological developments in agriculture mechanization at SRFMTTI, on dated 06.02.24 to 08.02.24. Farmers from Paddiriddipatti Block, Dist- Dharmapuri, Tamil Nadu participated in the program. The program was organized in association with ATMA, for getting interstate exposure on farm mechanization. Director, SRFMTTI addressed the farmers about the latest machinery available for land preparation, seeding & harvesting. Uses of recently developed technologies by various research institutions machinery were exposed to farmers to complete the work within limited time and reduced expenses, increased yields. Various recently developed machinery were demonstrated to farmers. Director SRFMTTI, Smt. P. Kamalabai, SAE, Sh. Nitesh Kumar Verma A.E, Sh. Tejbir Singh F.S, Sh. D. Kankappa STA, Sh. Neeraj T.A, Sh E. Bhaskar Sr. Tech & Sh. B. Bhaskar & J Venkatesh Tech were present during field demonstration.



Conducted **03** demonstrations of machinery (2nos. Paddy Rice Transplanter & Multi crop Thresher) under **SMAM** for creating awareness among stakeholders through demonstration and capacity-building activities & also increase the reach of farm mechanization to small & marginal farmers in Telangana state ( 26 farmers from Village Medipally, Dist. Jagtial & 17 farmers from village Lingala Ghanapur, Janegaon) & Karnataka state (32 farmers from Village Adur Dist. Haveri) **total 75 beneficiaries.** Sh. J. Bhon Singh, STA, Sh. M S Ali Moula Tech & Sh. M Harinatha Reddy Tech, staff from SRFMTTI,



## Interaction with Students, Farmers & Manufactures

### Visit of School Children's (students)

To get the exposure on farm mechanization, group of students from various school visits SRFMTTI. They exposed to various laboratory such as Gender friendly equipment laboratory, tractor demonstration laboratory, agriculture machinery, testing laboratory etc. This exposure sensitized them on importance of farm machinery & equipments to reduce the drudgery of farmers and timely operation in the farms. It will also create interest of agricultural engineering and allied activities. About 338 student from two different schools visited at SRFMTTI details as below.

Date	Name & Address of School	Total of Participant
31.01.2024	PM Shri Kendriya Vidyalaya, Gooty	88
01.03.2024	Bhashyam English Medium High School, Anantapur	250
<b>Total</b>		<b>338</b>



### Visit of FMTC

#### Visited FMTC centre, SKRAU, Bikaner, Rajasthan

Competent authority of Ministry nominated Director SRFMTTI to inspect the FMTC Bikaner for authorization of plant protection and other engine operated machinery, a team in chairmanship of the Director visited FMTC centre, SKRAU, Bikaner, Rajasthan to verify the testing facility and capability of the centre to authorize testing of plant protection equipments & Fuel engine testing proposed to be created by FMTC, SKRAU, Bikaner, Rajasthan, on dated 15-16 February 2024. Team of two members Dr. BM Nandede, Director and Er. Pramod Yadav A.E, visited and ascertain facility available with the FIMTTC Bikaner. Moreover, the progress of the centre was also reviewed during the visit and advised required up gradation before finalization of the authorization.



#### Inspection Visit of FMTC Kerala

As per the directives of Ministry a Team in Chairmanship of the Director visited FMTC, Kerala Agricultural University Tavanur, Kerala for yearly inspection of the Centre & review the various activity of the center. Progress of the centre was also reviewed during the visit. Centre was also advised to send the recently joined testing staff for training at the SRFMTTI for up-gradation of technical skills and upkeep of files records of the testing activity. During this visit Director SRFMTTI delivered a lead & Automation for Sustainable talk on "Agriculture 4.0 Innovations Farming" on dated 27.03.24 at



**Outreach visits for possible collaboration with Manufacturers**

Director SRFMTTI delivered a lead talk on “Agriculture 4.0 Innovations & Automation for Sustainable Farming” on dated 27.03.24 at Kerala Agricultural University Tavanur. The meeting anticipates a large gathering of alumni members from engineering & technology, Govt. officials, representative of manufacturers & Progressive Farmers etc. As the program was in hybrid mode participants from abroad also attended the session. The program was inaugurated by VC of KAU and Director SRFMTTI and Delegated participated in the inaugural session.



**പൂർവ്വവിദ്യാർത്ഥി സമ്മേളനവും ടെക്നിക്കൽ സെമിനാറും**

തമ്പുരാൻ കെസിഎസ്എസ്എസ് പൂർവ്വവിദ്യാർത്ഥി സമ്മേളനവും ടെക്നിക്കൽ സെമിനാറും ഡോ. ബി. അശോക് ഉദ്ഘാടനം ചെയ്തു. ഡോ. പി. ഡി. ഹാർ ഹാർ അതിൽ ഡോ. പി. ആർ. ജോൺ അദ്ധ്യക്ഷതയിൽ. സൗകര്യം കൃഷിക്കുള്ള സാങ്കേതികതകളും ഏകീകരണങ്ങളും എന്ന് വിഷയത്തിൽ ഡോ. കെ. എൻ. അശോക് രംഗത്ത്, ഡോ. ബാലാജി നന്ദാ എന്നിവർ കൂടെയുണ്ടായിരുന്നു. വിവിധ

**Visit to International Exhibition EIMA 2024**

Dr. B.M Nandede, Director, Smt. P. Kamalabai SAE, Sh. D. Kankappa STA, Sh. D Ramesh T.A, Sh. B.V Ramana Sr.Tech, Sh. B. Bhaskara Rao Tech, Sh. J Venkatesh Tech & Sh. Nandkishore Tech. participated in International Exhibition EIMA 2024 held at GVKV Bangalore on dated 28.02.24. Display of Various machinery in a stall allotted to SRFMTTI in collaboration with manufacture was showcased. Visit to various Power weeder, Brush Cutter, seed drill and processing machinery leading manufactures stalls were made. Also Various manufacturers displayed their product during this exhibition.



**Panel Discussion in International Exhibition EIMA 2024**

Director SRFMTTI participated and delivered a talks on various technical sessions on farm mechanization during visit to International Exhibition EIMA 2024 held at GVKV Bangalore on dated 28.02.24. He delivered a talk and panel discussion on following:  
In session II: Skilling & Training For Future Farming which is essential to equip farmers with the knowledge & skill necessary to navigate the challenges & opportunities presented by evolving agricultural practices & technologies.  
In session III: Policy Framework for Enhancing Agriculture Extension - Promotion & Adoption of Modern Machinery & Equipment.



## Outreach visits for possible collaboration with Manufacturers

Director SRFMTTI visited one of the leading trailer and other agricultural machinery manufacture in Maharashtra M/s Bhansali Agro Industry on dated 25.02.24. Visit was concentrated on creating display of the recently developed sowing and planting machinery at SRFMTTI for updated technology display facility with involvement of leading manufactures.



The delegates of the BIS FAD-11 were visited on dated 02.02.24 various training, testing and farm facility available in the Institutes. Delegates from ICAR, AMMA & BIS New Delhi. The delegation was invited in the meeting organized by BIS at SRFMTTI to Review Meeting on Indian Standard of Power Tiller.

M/S ESSAE Digitronics Private Ltd. Karnataka. Mr. Daniel Swamidas, Vice President & Gururaj, Vice President-Business Development with his team Visited SRFMTTI on dated , to see facility available for training and testing the machinery. Also discussed on how to avail the existing product into agriculture mechanization & willingness in venture into agricultural machinery manufacturing. Director SRFMTTI guided the team to venture into the agricultural mechanization



## Participation in annual workshop at DBSKKV Dapoli



Director SRFMTTI attended “Two days Workshop” of approved Farm Machinery Testing Centres & FMTTIs under the chairpersonship of Ms. S. Rukmani Joint Secretary M&T on dated 23<sup>rd</sup> & 24<sup>th</sup> February 2024 at Dr. Balasaheb Sawant Konkan Krishi Vidhyapeeth, Dapoli Maharashtra. Progress Report & Action Taken report was presented as Nodal officer to Southern Region. All the FMTCs from southern India participated. Joint secretary madam appreciated the efforts of SRFMTTI and FMTCs.

## ISO Certification

ISO team visited the Institute on dated 13.03.24 for 1<sup>st</sup> surveillance of Quality Management System on Human Resource development in Agricultural Mechanization through Training & Quality Testing of Agricultural Machineries. ISO team found the facility in accordance with the requirements of the standard & certificate was awarded to the Institute for the same extended for next year. Director SRFMTTI welcomed the team and visited the facilities of the Institute in all sections



## Event / Administrative Section

### New Year Celebration 2024

On the eve of New auspicious Year 2024 a get together was held on 01-01-2024 followed by Lunch to en mark the was celebration at the Institute end. A small presentation by each Sections was made by Section Heads on their targets and achievements 2023-24. Progress report by sections Heads was followed by the address of the Head of the Department. Some Ex-Employee also participated in the celebrations. The Director encouraged all the officers and staff to work with the same enthusiasm which have led the progress of the Institute.



### Republic Day Celebration

75<sup>th</sup> Republic Day was celebrated at the Institute with enthusiasm. The National flag was unfurled by Dr. B. M. Nandede, Director followed by his address to the staff and their families, trainees apprentices etc. Director SRFMTTI in his address shared the achievements by the Institute in the financial year and congratulated all the Heads for their remarkable achievements by respective Sections. He also shared the expectations of the Ministry from the Institute and urged each and every staff to contribute and join hands in the development of the Institute. Institute has completed the target in well advance and generated the highest quarter wise revenues. Staff and their families participated in this cultural programmes and refreshment was served. About 150 participants participated in the event. Prizes were distributed to the winners in the sports, events conducted. Director SRFMTTI congratulated the winners and participants for making an event as grand success



### Women's Day Celebration

The Office of the SRFMTTI celebrated Women's Day. Director SRFMTTI addressed the gathering on importance of women in society and institutional building. He congratulation to all women staff and trainees of this Institute on this day . He also send gratitude to all the remarkable women in our lives—who continue to inspire us every day and remain steadfast in tough times. On this day various competitions were held by organizing committee, all women's were participated. Winners were appreciated by giving prizes with the auspicious hand of Director SRFMTTI.



## Major/ Minor works during 2023-2024

### 1. Re-carpeting of the Institute Roads

The work begun in the month of March, 2024 and covers the re-carpeting of about 15000 sqm. of the Institute premises roads which include that of the residential colony along with the office premises etc. The work would ensure smooth movement in the premises and prevention of any untoward incidences. It will also help to beautify the campus both institutional as well as residential premises. To length covered in the work is about 5 KM. Total re-carpeting work in the Institute will become about 10 KM which includes haulage track too. It was inaugurated by Director with institute and CPWD staff



### 2. Replacement of Rolling shutter for Testing & Training wings labs.



The work begun in the month of March, 2024 and covers replacement of all old rolling shutters in the training section which have got damaged, with Aluminum section doors with glass. This initiative will change the face of the classrooms and make the class room with all facility to convert it to smart class rooms. It would also enhance the beauty of the Training and other building from the front side of the both the training and testing.

### 3. Repair to plinth protection and providing of CC courtyards for 66 No's of Residential quarters at the Institute

The work begun in the month of March, 2024 and involves the repair/providing of the plinth protection in the residential quarters so as to protect the walls of the quarters from damage due to rain. The work also covers providing of CC flooring of 3 m courtyard to ease the movement in the courtyards to safeguards the trainees and residents of the 66 nos. of quarters.



### 4. Re-carpeting of the Haulage Test Track/road at the Institute

The work begun in the month of March, 2024 and covers the re-carpeting of the Haulage test/track of about 6000 sq.m of the Institute. The work would ensure the smooth test track for conducting of the Haulage test with accuracy. It will also strengthen the road infrastructure of the Institute. Its about 5 km long track re-carpeting.



### 5. Construction of Trapezoidal farm pond with RCC slab at the Institute.



The work begun in the month of March, 2024 and involves the construction of Trapezoidal farm pond in the Sapota orchard of the Institute with the volume of about 7 lakh liter. The construction of such a pond was a long pending necessity for water conservation in this rain fed area and would ensure availability of water for the nearby orchards and crops in the farm area of the Institute. The farm pond bearing the sizes of internal area 25 X 12 Sq. meter, outer area of 27.5 X 14.5 Sq. meter.

## Major/ Minor works during 2023-2024

### 6. Construction of Open sheds

The work begun in the month of March, 2024 and involves the construction of 2 No's of Open sheds in 750 sqm area in the farm section adjoin to the training section. It will help to provide space to the manufacturer under MoU to create the training academy at SRMTTI. It will also helps to provide shed to the area.



### 7. Strengthening of well staining of existing open well

The open wells in the farm section was with stone masonry work. It was damaged du to heavy rains and old age. The was restricting the ground water resource to be used in that area, Therefore, a work was initiated to convert the damaged masonry work by RRC walls. Strengthening of well staining of existing open wells various areas of the farm will ensure the recharge of the water sources in this rainfed area thus providing availability of sufficient water for the orchards and other farm areas.

### 8. Boundary with Chain link mesh fencing

The residential area of the Institute has been protected by the newly laid chain link fencing measured 750 meters with 300 cement poles of each at a height of 2.5 meter. This is to protect the residents from the entry of wild animals from the farms and orchards.



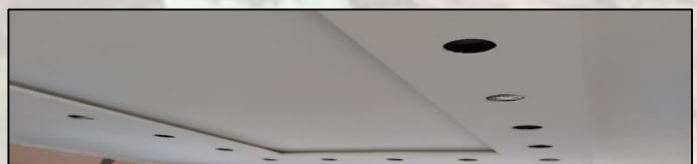
### 9. Water proofing treatment of terrace of Testing buildings at the Institute.

Water proofing treatment of terrace of testing buildings at the Institute has been approved and sanctioned by the institute to CPWD. The work has been allotted to a contractor by CPWD. The work would ensure prevention of leakage from roof during rainy season and shall thus prevent damage to the roof and walls of the Administrative and Testing buildings and save the renovation.

### 10. Renovation of & Director committee hall and video conference hall of testing section

Under the digitalization initiative & creating smart facility at Institute one Directors committee hall in administrative & another in testing section was identified & renovation works was initiated.

- False ceiling with LED light
- Repair of wall & tile fixing
- Changing of wiring
- Repair & Replacement of windows.
- Video conferencing system with PTZ camera MP.
- Replacement of new chairs & tables.
- Replacement of new air conditioners
- Interactive Panel & LED TV for video conferencing etc.



## New Arrival

### Step toward establishment of RPTO in the Institute

As per the directives of the Ministry to establish Remote Pilot Training Organization (RPTO) at Institute, efforts are being made & procured required infrastructure & resources. Efforts are also being made to initiate the collaborative RPTO at Institute.

SN	Name of Machine	Qty
01	Agriculture Spray Drone	01
02	Mini Drone ( Mini UAV)	02
03	Seating chair for RPTO facility	131

## New Arrival

### Display hall for recently developed technologies

To create the improved machinery display facility and custom hiring of machinery for horticulture and rice mechanization new Machinery along with tractor was procured. This initiative will benefit the trainees engineers to see the recent developments in the area of farm mechanization of horticulture and other crops. It will help to create awareness through displaying & demonstration to the farmers & trainees of various course.



SN	Name of Machine	Qty
1	MF 241 Tractor	1
2	Manual Seed Cum Fertilizer drill	10
3	Manually operated Two row Vegetable Transplanter	2
4	Manually operated Single row Vegetable Transplanter	2
5	Rotary Disc type bund former	1
6	Tractor operated Check Basin Former	1
7	Tractor Operated Banana Stem Shredder	1
8	Seed calibration unit for seed drills and planters calibration	1
9	Tractor Operated drum type Pneumatic Dibbler	1
10	Tractor operated Semi-Automatic dibbler type trans-planter	1
11	T.O Front Mounted two row pigeon crop (Red Gram) Harvester	1

### Step toward Digitalization of the Institute

Digital equipments were procure to create the smart class room facility. Digital notice boards, displays, video conferencing, and camera surveillance etc. were created as a step towards creating digitalization of the Institute for the future need and keep the labs future ready.



SN	Name of Machine	Qty
1	Digital notice board 4"	1
2	LED Board with Lightning	5
3	Interactive Panel 75"	2
4	Interactive Panel 85"	1
5	Video Conferencing system with PTZ camera & Microphone	1
6	All in One PC with i7 OS	5
7	Laser Printer with duplex print	2

### Efforts creating CMVR facility

To create CMVR facility for power tiller testing as per the recommendation of the committee Institute has procured the deficit equipment and now the SRFMTT is all the way ready for having CMVR testing facility. Proposal has already been sent to the ministry for further consideration. Efforts are being made to create the facility considering the long pending demand of the southern region manufacturers.

SN	Name of Machine	Qty
1	Mitutoyo LED Display Callipers	3
2	Digital Electronic Spirit Level	2
3	Vibration Meter	1
4	Digital Sound Level meter	1
5	Digital non-contact photo Tachometer	1
6	Digital Stop Watch	2
7	Digital Vernier Calliper	3

### NABL accreditation activities

With directives of the ministry to have NABL accreditation certification to the laboratories, efforts are being made to procure the required instrumentation. The consultation with NABL advisors are being made.

SN	Name of Machine	Qty
01	Brake Force Meter	3
02	Hand Force Meter	01

### Installation of new CCTV Camera

A CCTV surveillance system considering the security system of various important locations of the Institute as residential premises was started in the last quarter of the financial year. About 14 cameras covering New camera system was installed for to keep track of the interior and exterior of the campus.

SN	Name of Machine	Qty
01	5 MP colour IP camera	14
02	Sony LED TV for display	04





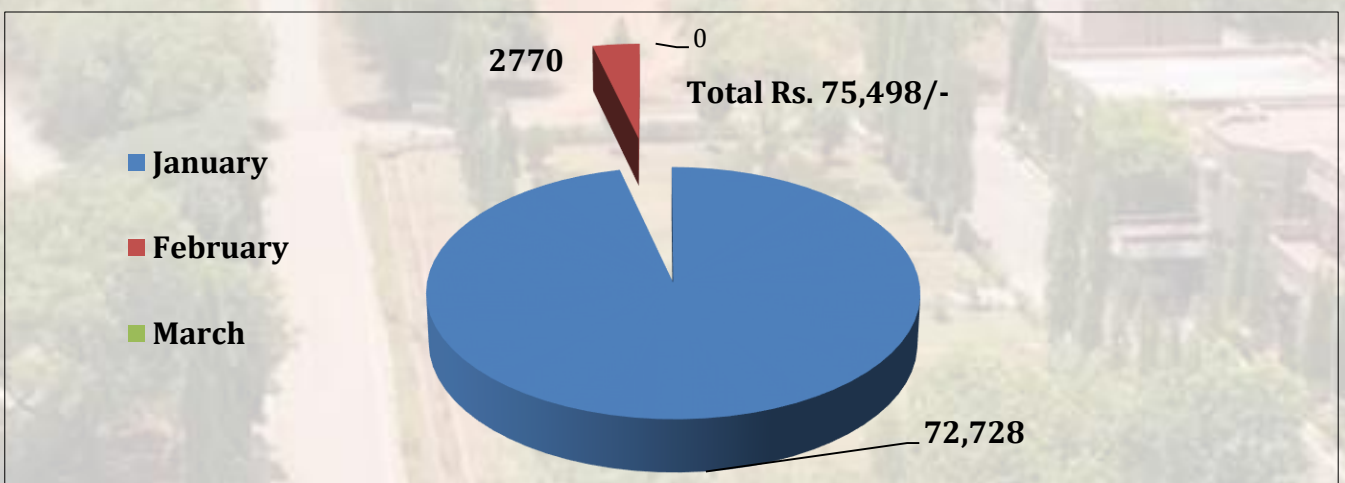
## Farm Section

### FARM SECTION AT A GLANCE

- Under beatification initiatives of campus premises bordeaux paste to 3500 trees was applied
- Trimming and removal of unwanted plants to maintain aesthetics and action of the wood was carried out and generated additional revenues from waste and dried wood material
- Installation of RCC hume pipes for collection of water from 300 acre area to percolation tank
- Construction of boundary with Chain link mesh of about 0.6 km to separate the farm with residential area, & Construction of Farm pond of 7 lakh litre capacity and open well construction in RCC with 40 feet diameter and 15 feet height in coconut orchard.
- Generated revenue of 75,498/- in last quarter and total collection for FY 2023-24 is ₹9,43,021/-.

### Revenue generation

Various works is being carried out at farm for its revival and to assist to training and testing activities. The farm section has collected the revenue from different orchards & field crops and agro-forestry & During this 4<sup>th</sup> quarter farm section generated revenue of ₹ 75,498/- from total up to this FY 2023-24 is ₹ 9,43,021/-. The revenue generated during January, February and March is given in Fig. below.



### Restoration of Farm land by halting degradation & rehabilitating degraded land

The Farm barren land covered with wild trees, unwanted vegetation, creepers, bushes, thorny plants, etc., has been cleaned with the help of JCB to get back the unused land to Re-usable and Re-cultivable. The details of the JCB works carried at the plots bearing :

1. Cleaning area and Location: from the area on the back side of Mango Orchard to Raghunathapur road side and up to Bore well- 04 near by D-Sapota. Almost covered the Boys Hostel area, Compound wall area of entire Administration block inside & outside, Sapota orchard & its fencing area. Cleaned and covered the total area about 69 hectares (172.5 Acres).
2. The 5 km ring road area of test track also been cleaned on both the sides wherever there has a growth of unwanted vegetation.
3. The Restoration of agricultural land has been done for halting degradation or rehabilitating degraded land, typically through activities like reforestation, soil conservation, and the protection of nature. The training activities and Testing the machinery works may also be carried in the cleaned unit blocks by utilizing the land restored.



## Farm Section

Farm section is maintaining beautiful orchards of various crops. To conserve the orchards in adjoin residential areas and farms and initiative was taken to apply Bordeaux paste to save the tree from soil borne diseases. Road side, other green tress in residential area about 3500 tress like Mango, Coconut and Sweet lime as a wound dresser and for protection against wounds, cut ends of trees etc. To protect from the infection by fungal pathogens also. diseases like Gummosis and Termite attack etc. Moreover, beautify the green campus.



The Farm section has auctioned the Wood material by vide Tender Notices in newspaper and inviting other local bodies to participate in the tender. The unwanted and dried plants/trees and material to cut reshaping of the trees were auctioned on weight basis. Rs. 2,25,425 /- as a revenue was generated by the auction of dry wood and other wood material received by pruning of Criss cross branches, removal of dead, diseased, injured plant parts, lower branches of the trees, other plantation located in the areas of farm roads, colony side, estate, guest house sides, trainees hostels premises etc. This initiative has doubled the beauty of premises. Timely Pruning involves to open up the canopy in order to allow more Sun light, aeration to penetrate. This stimulates the formation of flower buds. maximize the aesthetics and overall vigor of the shrubs and trees.



The farm section is linked with inter-sections and now it is working as liasoner to training and testing section along with his own farming activities. Various practical classes of students, testing of test sample for field testing provided by testing section is been utilized in the Farm. This initiative saving cost for maintaining the farm as orchards and barren lands for the farm requires filed operations. Various machines like Brush cutters, weeders, power tillers, rotary tillers etc. are being tested in the fields of the farm section such as orchards and tree plantations, road sides and crops cultivated in the farm section. Similarly, activities like cutting, pruning, other field operations by the trainees are also doing in the Farm orchards. Farm has orchards of about sapota in 40 acres, Mango 2.5 acres, citrus 5.0 acres, Lemon 3.0 acres and Coconut 9.0 acres.



### Rain water harvesting: Installation of Reinforced Concrete Pipes (RCC)

To collect the rainwater from the whole catchment of the farm area of block A and B of farms, make cross roads sections to reach the fields, to collect the rainwater in a pond the farm section has installed 35 RCC Hume pipes under the ground to make easy way for passage of rain water, HLC water for collecting water to one place i.e. in to farm per colation tank have a capacity of 50 Lakh liter volume . Installation is done in several locations such as especially at the inter junctions, cross roads, Main road side ways, By pass lines of Farm in order to collect rain &



HLC canal water to the farm ponds from a catchment area of 300 Acres . So that made a suitable water drainage system in the Farm for easy going of the transport on the top and better flow of run off water under the ground.

## Training / HRD

As per the directives of the Ministry to establish Remote Pilot Training Organization ( RPTO) at Institute to train agricultural and allied engineers, other engineering graduates, women farmers, rural youth, etc. for Remote Pilot Certification. This will help to create a drone pilots for faster dissemination of drone based technologies in the farming community. It may also help in future to create a dedicated courses for drone training, its operation, repair and maintenance. Operating drones in the field of agriculture to promote. Moreover, the human resources developed through testing will provide inputs while formulating standardization for tests or testing codes for same also bring the staff ready for recent technological changes.



It is mandatory to have four instructors for establishment of the RPTO at any organization and other RPCs. Therefore, four officers/officials of SRFMTTI were asked to enroll in Remote Pilot Certificate (RPC with Train the Trainer (RPC+TTT) training organization. They have successfully completed the course. The basic requirement for the RPTO in terms of manpower with certified training certifications is now available with the Institute. The proposal is also sent to the ministry for establishment of the RPTO at SRFMTTI, we are thankful to the component authority for providing the funds for establishment of RPTO at SRFMTTI. The institute has also purchased the drones required for delivering a training to the trainees. The efforts are also being made to demonstrate the drones to farmers, trainees at SRFMTTI and other visitors by certified trainers. Institute is also sensitizing the administration staff with new amendments in the rules and regulations by providing opportunities to attend the training to Office Superintendent attended two training programs on Pensions & Other Retirement Benefits and Handling Parliamentary matters. Details of the training programs are hereunder:

SN	Name	Designation	Course Title	Training Organization	Course Duration
1	Er. Nitesh Kumar Verma	Agricultural Engineer	Remote Pilot Certificate (RPC with Train the Trainer ( TTT)	DRONE DESTINATION Bhora kalan Gurgaon (HR)	23.03.2024 to 27.03.2024
2	Shri. Vijay Kashyap	Technical Assistant			
3	Shri. D. Ramesh	Technical Assistant		M/s. Assam electronics development corporation limited, Guwahati	Ground class 25.12.2023 to 28.12.2023  Flying Class 02.01.2024 to 06.01.2024
4	Shri. E. Bhaskar	Sr. Technician			
5	Shri D. Vasuki Krishna, OS	Office Superintendent	Programme on Pensions & Other Retirement Benefits	Institute of Secretariat Training and Management (ISTM)	01.01.2024 to 05.01.2024
6	Shri D. Vasuki Krishna, OS		Handling Parliamentary matters		26.03.2024 to 27.03.2024

## Administrative Section

### Budget estimate/expenditure for the quarter January 24 to March, 2024

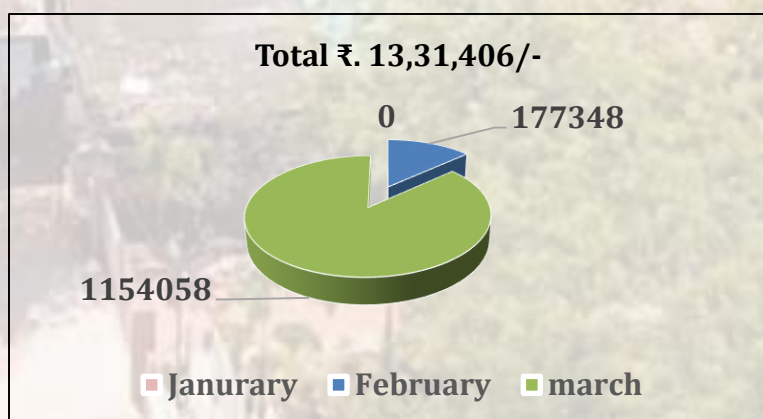
The budget received from the Ministry for CFY 2023-24 under major head 4401 & 2401 is ₹1370.23 Lakh. The expenditure incurred in Qtr. IV<sup>th</sup> is ₹ 320.58 Lakh. Percentage of budget utilization in quarter I is 25.43% and quarter II<sup>nd</sup> is 20.88%, quarter III is 23.85% & quarter IV<sup>th</sup> is 23.40% of total budget. Total budget utilization by the end of Quarter 4<sup>th</sup> is 55.98% which amount to be ₹767.03 Lakh, Respectively. The budget utilization shown below is the actual expenditure made on all bills. However, the budget utilization under Major heads '4401' which containing motor vehicle, machinery equipments.

Head	BE 2023-2024	RE 2023-2024	Last Qtr. Expen.	Progressive Expenditure	% against RE 23-24
<b>Major Head "2401" - Crop Husbandry, 113-Agricultural Engineering (Minor Head), 01 - Tractor Training &amp; Testing Institute, 01-Establishment</b>					
01-01-01 Salaries	2,50,00,000	2,50,00,000	41,08,303	2,34,44,557	93.78
01-01-02 Wages	15,00,000	75,00,000	4,48,175	14,59,884	19.46
01-01-05 Rewards	2,72,375	2,72,375	0	2,72,375	100.00
01-01-06 Medical Treat.	12,00,000	12,00,000	1,07,132	4,91,889	49.18
01-01-07 Allowances	1,30,00,000	1,30,00,000	21,86,648	1,29,93,282	99.95
01-01-08 Leave Travel Concession	2,50,000	6,00,000	1,63,800	3,48,993	58.17
01-01-09 Training Expenses	2,00,000	3,00,000	2,83,200	2,86,200	95.40
01-01-11 Domestic Travel Expenses	17,00,000	17,00,000	35,226	16,99,930	100.00
01-01-13 Office Expenses	90,00,000	1,50,00,000	46,51,397	1,17,22,782	78.15
01-01-16 Printing & Publications	1,50,000	1,50,000	0	0	0
01-01-19 Digital Equipment	1,00,000	1,00,000	52,167	97,167	97.17
01-01-21 Supplies & Materials	20,00,000	42,00,000	24,20,115	31,24,784	74.40
01-01-24 Fuel & Lubricants	18,25,000	30,00,000	7,28,762	21,86,390	72.88
01-01-26 Advertisement & Publicity	6,50,000	6,50,000	12,153	5,63,343	86.67
01-01-27 Minor Works	15,00,000	2,48,00,000	63,87,068	63,87,068	25.75
01-01-28 Professional Services	1,00,000	4,00,000	2,22,030	2,77,730	69.43
01-01-29 Repair and Maintenance	1,00,000	15,00,000	13,53,820	14,09,431	93.36
01-01-49 Other Revenue Expend.	50,000	50,000	20,500	20,500	41.00
01-96-13 Swachhata Action Plan	2,00,000	5,00,000	3,63,359	4,93,336	98.67
<b>TOTAL</b>	<b>5,87,97,375</b>	<b>9,99,22,375</b>	<b>2,35,43,855</b>	<b>6,72,79,641</b>	<b>67.33</b>

Head	BE 2023-2024	RE 2023-2024	Last Qtr. Expen.	Progressiv e Expen.	% against RE 23-24
<b>Major Head "4401" - Capital Outlay on Crop Husbandry, 113- Agricultural Engineering, Minor Head-19 Tractor Training and Testing Institute</b>					
19-00-51 Motor Vehicle	15,00,000	15,00,000	0	9,09,399	60.63
19-00-52 Machinery. And Eqpt.	75,00,000	75,00,000	40,74,977	40,74,977	54.33
19-00-71 Inform.Comp.Tele.Eqpt	0	27,00,000	21,07,032	21,07,032	78.04
19-00-72 Building & Structures	0	2,00,00,000	3,61,000	3,61,000	1.81
19-00-74 Furniture & Fixtures	0	45,00,000	19,71,326	19,71,326	43.81
19-00-77 Other Fixed Assets	0	9,00,000	0	0	0
<b>TOTAL</b>	<b>90,00,000</b>	<b>3,71,00,000</b>	<b>85,14,335</b>	<b>94,23,734</b>	<b>25.40</b>

#### Revenue earned from Auction of scrap and other Miscellaneous materials

In this 4<sup>th</sup> quarter administrative section earned revenue of ₹13,31,406/- under office miscellaneous. Mainly through auction of agriculture machinery, auction of scrap material & guest house chargers etc. Auction of different agriculture machinery & scrap material was placed in total ten numbers of lots.



## News from Personnel

### Transfer to SRFMTTI

He has joined the Institute as AE(I) on transfer dated 06-03-2024 from CFMTTI, Budni (on loan basis) for six months. He is having eleven year of experience in private industry as an Instrumentation Engineer. He is having hands on experience in NABL Accredited Calibration laboratory. Exposed in various instrumentation fields such as Electrical, Electronics, Thermal, Pressure & Dimensional. Quality Assurance, NABL Accredited Calibration Laboratory, Quality Management System Certification and CMMI certification. Presently he is posted to the testing section of the Institute.



Shri. Karthickrajan.M,  
AE(I)



Shri C. Veeranjineyulu,  
Sr. Tech

Joined the Institute as Senior Technician on transfer dated 22-1-2024. He is having thirteen years of experience in field of training & testing of various agriculture machinery. He was working as a Senior Technician at Northern Region Farm Machinery Training & Testing Institute(NRFMTTI), Hisar (Haryana) before joining this Institute. He has assisted to carry out various tests related to testing of pant protection, intercultural and harvesting machinery & CMVR testing of combine harvester. Presently he is posted to the testing section of the Institute.

Joined the Institute as Senior Technical Assistant on transfer dated 27-3-2024. He is having thirteen years of experience in field of training & testing of various agriculture machinery. He was working as a Senior Technical Assistant (STA) at Northern Region Farm Machinery Training & Testing Institute, Hisar (Haryana) before joining this Institute. He has assisted to carry out various test related to testing of combine harvester and other agricultural machinery & CMVR testing of combine harvesters. Presently he is posted to the testing section of the Institute.



Shri Sunil Kumar Patil,  
STA

### Transfers From SRFMT&TI



Shri. Devendra Paliwal,  
STA

He is transferred to CFMTTI, Budni on completion of his term on six months loan basis at this Institute. Was relieved from this institute on 04-03-2024. During his tenure at SRFMTTI, he has assisted to carry out various test related to Power Tiller testing like Noise level, Mechanical vibration test & brake performance test etc. & also had carried out service, maintenance, calibration & repair of various testing, electrical & electronics instruments.

He is transferred to NERFMTTI Assam from this institute and relieved on 29-3-2024. He was working as a Farm Superintendent & looking after various section such as Drawing and Disbursement officer, In charge of Estate section, Purchase section & Engineering store also Head of the farm section. He has wide range of experience in farm activities and his contribution in SRFMTTI in all the sections is well recognized. He has about twenty of experience in farm related activities. He looking various farm activity related to field crop, orchards etc.



Shri. Tejbir Singh,  
FS



Shri. J. Bhon Singh,  
STA

He was transferred to NERFMTTI Assam from this Institute and relieved on 04-03-2024. He is having more than 25 years of experience. He has assisted to carry out various test related to Power Tiller testing like field performance test, oil pull over etc. participated in various training & demonstration activity. He was also looking after the maintenance of the tractors of the section. He has wide range of experience in testing of various agricultural Machinery.



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