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कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture and Farmers Welfare

उत्तर पूर्वी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

NORTH EASTERN REGION FARM MACHINERY

TRAINING & TESTIN INSTITUTE

बिश्वनाथ चरियाली:बिश्वनाथ:असम-784176

Biswanath Chariali:Biswanath:Assam-784176

An I.S.O.9001-2015 Certified Institute

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FROM DIRECTOR'S DESK

The agricultural farm mechanization refers to the development and use of machines that can take the place of human and animal power in agricultural practices. The mechanization in agriculture that took place during the 21st century led to major changes in how farmer's plant, irrigate and harvest crops. The type of machines and equipment such as combine harvester, agriculture tractor, power tiller and other allied agriculture machines enables farmers to increase their agriculture production instead of less depending upon labour and animal requirement in rural areas.

The North Eastern Region Farm Machinery Training & Testing Institute, Biswanath Chariali, Dist. Biswanath (Assam) has been established by the Government of India, Ministry of Agriculture and Farmers Welfare, Department of Agriculture & Farmer Welfare, New Delhi in the year of 1990. At present the Institute is 'An I.S.O. 9001 - 2015 Certified'. The Institute is also working to develop infrastructural facility to cope up with modern technological development.

The Institute is providing training on various topics under different training programmes by way of theory, practical, utilization, operation & maintenance, auto electrical and dimensional measurement of engine components and others followed by SMAM guidelines. However, consequently the farm mechanization has reached to number of rural farmers of North East Region and across India to overcome the requirement of human labour which are not usually available due to urbanization of labour from rural area to states. The Institute also provides field demonstrations of agricultural equipment and machines in the farmer's field as per the SMAM (Submission on Agriculture Farm Mechanization) guidelines, under the various schemes of government of India announced time to time in the North East region of India.

Apart from this the Institute has testing facility of frictional diesel engine, petrol engine and different type of intra-cultural equipment, which are tested by way of modern instrumentation and automation process as per the guidelines of Bureau of Indian Standards, reaffirmed time to time. The testing of agricultural equipment and allied machines help in improving agricultural machinery, catering the Industry, manufacturing of appropriate farm machinery. This benefits the Indian agriculture farming and enhances socio-economic development. In addition to this information technology has played vital role to approach the governance to the farmers directly in 21st Century.

All the benefits under the scheme are directly transferred to farmer /beneficiary under digital payment mission. Consequently all the mode of transaction has been implemented (case less) online through 'BHARAT KOSH'. All the procurements are now through GeM portal as per GFR-2017 in accordance with the Department of Expenditure. The Institute is achieving the set targets of training, testing and demonstration with the coherent devotion of skilled engineers and staff. Although the advantages of owning agriculture farm mechanization is clear, many of the smaller farming operations can find it easy to keep up with the cost of advance agricultural technology by the use of various schemes of Govt. of India.

August, 2024

**(P. KAMALABAI)
DIRECTOR**

Appropriate Farm Mechanization by Training, Testing & Demonstration

उत्तर पूर्वी क्षेत्र कृषि यंत्र प्रशिक्षण एवं परीक्षण संस्थान, विश्वनाथ चारिआलि, विश्वनाथ – असम

CONTENTS

1. Introduction
 - 1.1 Formation of Institute
 - 1.2 Location of the Institute
 - 1.3 Mandate of the Institute
2. Training
 - 2.1 Training objectives
 - 2.2 Training programmes
 - 2.3 Training facility
 - 2.4 Achievement
 - 2.5 Auditorium
 - 2.6 Demonstration, Exhibition and other activities
3. Testing
 - 3.1 Objectives of testing
 - 3.2 Testing infrastructure
 - 3.3 Type of tests
 - 3.4 Achievement of testing
4. Farm Activities
 - 4.1 Plantation
 - 4.2 Plantation of trees
5. Administration and Personnel Management
 - 5.1 Financial performance 2023-24
 - 5.2 Activity-wise revenue earned during 2023-24
 - 5.3 Transfer/Posting/Recruitment 2023-24
6. Hindi Section
7. Other activities and function at the Institute
8. Visit of Dignitaries

1. INTRODUCTION:

AGRICULTURAL RESOURCES of the country are of primary importance for the development of the national economy in spite of the fact that the mechanization has been considered to be the only answer to augment the productivity and production and also to exploit the production potential of other costly inputs like seeds, fertilizer, pesticides and water. The rate of adoption of inputs is generally slow in the North Eastern part of country. Recognizing the importance and need for proper selection, operation, repairs and maintenance of agricultural machinery.

The Government of India has established the North Eastern Region Farm Machinery Training & Testing Institute at Biswanath Chariali, District – Biswanath (Assam) in the year 1990 with the main objective of training on agricultural machinery. The Testing of agricultural machinery at the Institute was started in the year 2001.

The North Eastern States having the high potentiality to become self-sufficient in agricultural production, started in the difficult situation, have now grown up to its adolescent age and spreading appropriate mechanization and technology to almost all type of beneficiaries. This Institute have equipped with all sorts of modern equipment needed for effective training methodology and conducting testing as per BIS norms. The Institute have achieved significant target in training, testing and mechanized farming.

1.1 Formation of NERFMTTI:

The North Eastern Region Farm Machinery Training & Testing Institute was established in the year 1990 vide Ministry's order No: 3-1/90-My (I&P)/My (Admn.) dated 19.03.1990 for training and testing in the field of farm mechanization in the North Eastern Region. The Institute imparts training to trainees for the efficient use of agricultural machinery and is a subordinate office under the Administrative control of the Mechanization and Division of Department of Agriculture and Farmers Welfare. The Institute was established under the Central Plan Scheme for strengthening of tractorization and mechanization through training and testing facilities, which was approved under the Seventh Five Year Plan.

1.2 Location of the Institute:

The Institute is situated in town of Biswanath Chariali, Sub-Division of Biswanath District, Assam which is about 225 km east of Guwahati on NH-27 and 101 km via Nagaon (NH 127 and NH). The Biswanath (VNE) railway station is 7 K.M. away from this Institute. The Biswanath Chariali railway station is on the broad-gauge Railway line connecting Guwahati/Rangia JN with Itanagar (Arunachal Pradesh). The Institute is 52 km from Tezpur airport, 246 km from Guwahati Airport and 109 km from Itanagar airport.

Biswanath District falls in the Sub-Tropical climatic region where average annual rainfall is about 1800 mm. The rainfall occurs from April to October. Summer is hot and humid, with an average temperature of 29° C. The highest temperature is recorded just prior to the onset of Monsoon. Summer rain is heavy and is principally caused between late June to early September by the moisture-laden South-West Monsoon, on striking the Himalayan foothills of the north. Such rain is both a boon and a bane for the people. The boon, as it provides natural irrigation to the fields; and the bane, as it causes the rivers to overflow their banks resulting to floods. Autumns are dry, and warm. It gets cooler as the months progress. Winters extend from the month of October to February are cold, and dry with an average temperature of 16° C. Occasionally, it gets quite chilled in late December and early part of January due to snowfall in the upper part of Arunachal Pradesh. Springs are pleasant, occurring in the months of late March and April. During these months, flash rains and thunderstorms also takes place due to cyclonic winds, known in local parlance as *Bordoichila*.

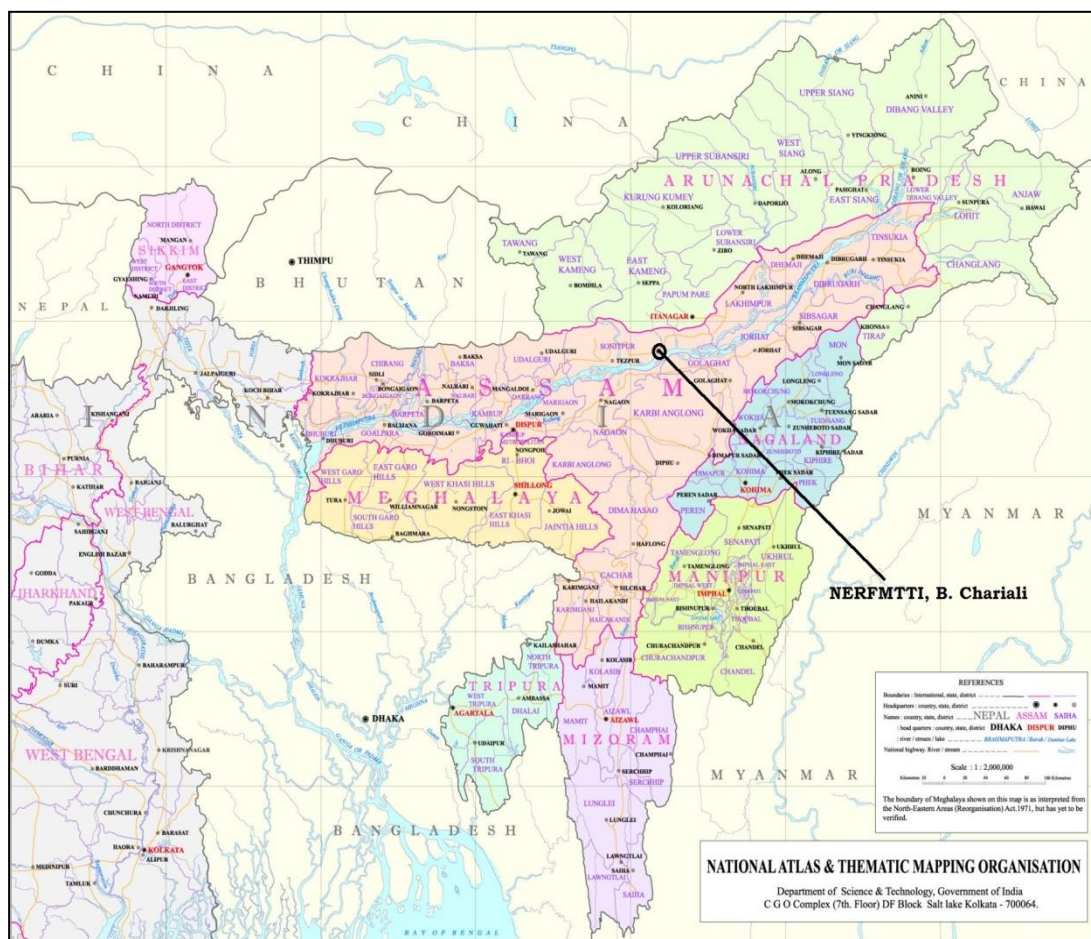


Fig. 1: Location of the Institute

1.3 Mandate of the Institute:

- Appropriate mechanization and technology through **training, testing and demonstration**.
- Its primary mandate is to address the need for specialized training and testing facilities for farm machinery operators and technicians in India.
- The institute was formed to promote mechanization in agriculture and enhance agricultural productivity through the efficient use of farm machinery.
- Conducting training programs in various aspects of farm machinery operation, maintenance, and repair, under the various training programme, different categories of trainees such as progressive farmers, technicians, entrepreneurs, nominees from government departments, universities, NGO, SHG are trained on selection, use, operation, repair and maintenance of tractors, power tillers and other farm machinery.
- Testing and evaluation of farm machinery to ensure their quality, performance and compliance with Bureau of Indian standards.

2. TRAINING:

2.1 Training Objectives:

- To promote the farm mechanization for cultivation of different crops.
- To transfer of technology to the farmer's field.
- To provide a pool of trained and skilled personnel for selection, operation, repair & maintenance of tractors and agricultural machineries.
- To generate self-employment for rural youth by establishing their own repair & maintenance workshop for agricultural machinery at village level.
- To provide a technical support to the farmers and users of tractor & farm machineries at village level.
- To increase the production and productivity of different crops through farm mechanization.
- To increase profitability of farmers.

- To promote the efficient use of energy resources, natural resources such as land, water etc. and other inputs like chemicals, fertilizers, seeds etc.
- To conduct the demonstration on latest agricultural machinery such as agricultural drone, crops residue machines, etc.

2.2 Training Programmes:

Table 1: The details of training programmes offered by this Institute are as under:

NAME OF COURSE		CODE	COURSE NAME	DURATION (WEEKS)	ELIGIBILITY
1	2	3	4	5	6
A	USER LEVEL COURSES	U1	Appropriate Mechanization Technology for Energy Management in Agriculture	4	Progressive farmers desirous of taking to mechanized farming, tractor and agricultural machinery owners, nominees of Central/ State Government Departments, extension workers and people working in private institutions using farm machinery
		U2	Selection, Operation, Safety and Maintenance of Improved Agricultural Machinery	6	
		U3	Operation, Repair, Maintenance & Management of Power Tiller and Matching Equipment	2	
		U5	Gender friendly Equipment for Women farmers	3 days	
		U7	Water Management through sprinkler and drip Irrigation & water saving devices.	1	
		U8	Selection ,operation and maintenance of Plant Protection Equipment	1	
		U9	Selection, Operation, and Maintenance of improved Harvesting & Threshing machines	2	
		U11	Selection, operation and maintenance of Agri. Machinery for dry land Agriculture	2	
		U12a	Package of Agri. Machinery for Paddy cultivation	1	
B	TECHNICIAN LEVEL COURSES	T1	Repair and overhauling of Stationery engines and tractors	6	Candidate should possess an ITI certificate in related field viz. tractor mechanic, farm mechanic, diesel mechanic or equivalent certificates. The candidates who have already undergone U2 series course are also eligible.
		T2	Repair and Overhauling of Power Tillers	2	
		T5	Repair and maintenance of Auto Electrical equipment and Battery re-conditioning	3	
		T8	Repair, maintenance & overhauling of diesel pumping sets	2	
C	MANAGEM- ENT LEVEL COURSES	M1	Testing and Evaluation of Farm Machinery	1	Representatives of tractor and agricultural machinery manufacture, private entrepreneurs, nominated officials from the central / state Government organizations.
		M2	Agriculture Machinery Management		
		M4	Instrumentation for Farm Machinery Testing and Evaluation		
		M5	Entrepreneurship development to establish custom hiring Agro-service Centre		
		M6	Farm machinery management for dealers / traders / manufacturers, etc.		

1	2	3	4	5	6
D	ACADEMIC LEVEL COURSES	A1	Practical Training programme on Farm Power & Machinery for Degree / Diploma Engineering Students.	4	Candidates nominated by the Degree / Diploma engineering colleges
		A2	Practical Training programme on Farm Power and Machinery for ITI & vocational courses for 10+2 Students.	4	Candidates nominated by the ITI colleges
D	NEED BASED LEVEL COURSES	NB	Need based Training Programme on Farm Mechanization	1	Progressive farmers desirous of taking to mechanized farming, tractor and agricultural machinery owners
F	TECHNOLOGY TRANSFER CAMPS	TT1	Energy conservation & safety in Farm Machinery	--	Agricultural machinery users
		TT2	Familiarization and demo of improved/ modern Agri. Machines.		Agricultural machinery users

2.3 Training facility

I. Machinery and Equipment

The training section is equipped with a fleet of fourteen tractors, six power tillers; beside this there are large numbers of manual, bullock drawn, tractor drawn & self-propelled machinery/ implements/ equipment. These includes traditional as well as conventional and the recently developed improved agriculture machinery such as M.B plough, disc plough, rotavator, seed-cum- fertilizer drill, sugarcane planter, raised bed planter, maize & ground nut planter, potato planter, self-propelled rice transplanter, mist-blowers, ultra-low volume sprayers, power sprayers for field crops, orchards and trees, self-propelled rotary weeder along-with attachments, self-propelled reaper cum binder, potato digger, fodder harvester, multi crop threshers, mini combine harvester, straw baler, maize sheller, grain dryer, and millet processing machines etc. Few different kinds of latest and appropriate farm machinery/equipment are shown below:

Table 2: List of machinery and equipment:

S. No.	Types of machines / Equipment Available	Qty.(nos.)
1	2	3
1.	Vehicles	04
2.	Tractors	14
3.	Fork Lifter	01
4.	Power Tiller	08
5.	250 kVA Generator set	01
6.	Agricultural trailers	05
7.	Water tankers	03
8.	Manual tools & implements	22
9.	Bullock drawn implements & equipment	05
10.	MB plough Power tiller drawn	01
11.	MB plough tractor drawn	04
12.	Reversible MB plough	02
13.	Disc Plough	02
14.	Rotary plough	01

1	2	3
15.	Sub soiler	01
16.	Disc harrow	02
17.	Disc harrow cum puddler	01
18.	Hydraulic assisted semi mounted disc harrow	02
19.	Mechanical leveler	03
20.	Laser guided land leveller	01
21.	Bund former	01
22.	Post hole digger	01
23.	Seed drill, Seed cum fertilizer drill, Planter	06
24.	Pneumatic Planter	01
25.	Automatic Potato Planter	01
26.	Semi-Automatic Potato planter	02
27.	Sugarcane planter	01
28.	Ridge and Bed Planter	01
29.	Self-propelled Paddy Transplanter	02
30.	Traveller Irrigator	01
31.	Cultivator	02
32.	Inter row rotary cultivator	01
33.	Shrub Master	06
34.	Power weeder	08
35.	Brush cutter	04
36.	Potato elevator cum digger	01
37.	Reaper	02
38.	Reaper cum binder	02
39.	Fodder harvester	01
40.	Pedal operated thresher	01
41.	Mini Combine Harvester	01
42.	Grain Dryer	01
36.	Mulcher	01
44.	Round straw baler	01
45.	Tractor-cut section model	02
46.	Engine cut section model	03
47.	Farm power cut section lab	02
48.	Plant protection lab	01
49.	Irrigation lab	01
50.	Electrical lab	01
51.	Solar Water Heating systems	03

II. Laboratory

The training section of this Institute is outfitted with following laboratories to impart the practical training to the trainees under various training programmes-

a) Laboratories already developed:

- i. Farm Power Lab
- ii. Farm Machinery Shed
- iii. Auto Electric Lab
- iv. Hi-tech Class Rooms

b) Laboratories under developing stage:

- i. Appropriate Farm Machinery lab
- ii. Plant protection lab
- iii. Irrigation lab and Demonstration Area
- iv. Value addition and Post-Harvest Technology Lab
- v. Gender friendly Equipment Lab
- vi. Library
- vii. Remote Pilot Training Organization (RPTO) labs

III. Library :

A Library with good collections of more than 8000 including Text, Technical books, Reference Books, 3500 Nos. Test Report, BIS Codes, Parts Catalogue, Periodicals/ Journals and Newsletters on various Technical Fields and mechanized farming and related subject, Magazine on English & Hindi Literatures besides 5 National, Regional and Local Newspapers (Daily) are being procured in the Institute Library for the use of Trainees and Employees. The institute provides sufficient facilities to give easy access and utilization of Library/information service for its users/readers.



Fig. 2: Institute Library

IV. Audio-visual:

The Audio Visual section is operational with computer systems with Ultra short throw projectors, smart boards and power podiums, charts, paintings, posters etc. to supplement training under different training programmes. The institute also has audio-visual hi-tech labs with latest technologies.

V. Lodging and Boarding facility:

The Institute Hostel is set up with essential amenities to accommodate 80 male trainees and 35 Female trainees at a time. A two bedded rest/ guest room with moderate facilities for the visitors has also been made in Hostel. Beside this a ladies hostel-cum-guest house is also set up to accommodate the female trainees, visitors and guests in the Institute.



Fig. 3: Guest House



Fig. 4: Girls Hostel



Fig. 5: Boys Hostel

VI. Stipend and Traveling charges:

As per SMAM guidelines, the trainees selected under User level courses are paid stipend of Rs.200/- per day. Besides this, the trainees selected under user level course are also paid “to and fro” traveling expenses one time by sleeper class of rail or by ordinary bus from their home-town to Biswanath Chariali at the end of training program after producing the original tickets.

2.4 Achievements:**Trainees trained:**

During the year 2023-24, total 2194 trainees have been trained which, includes 1288 women under various training program against the annual target of 2100. Total 23328 trainees have been trained at this Institute since inception. Trainees trained course wise, state & land holding wise, category wise during the year 2023-24 & since inception (Year wise & state wise) are shown in table and they have also graphically been represented below:

Table.3 (a): Physical progress of trainees trained year wise & course wise since Inception up-to March, 2005

<i>YEAR</i>	<i>Target</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>Appr. Trainee</i>	<i>TOTAL</i>
1991-1992	0	0	0	0	0	0	0	28	0	28
1992-1993	50	37	0	0	0	0	17	130	0	184
1993-1994	100	60	0	0	0	0	0	106	0	166
1994-1995	100	45	0	0	2	0	61	16	1	125
1995-1996	150	43	0	0	0	8	22	82	1	156
1996-1997	200	55	4	0	6	6	57	79	2	209
1997-1998	250	56	0	0	0	31	24	124	1	236
1998-1999	250	93	4	10	5	3	41	126	0	282
1999-2000	250	76	4	27	0	102	0	87	2	298
2000-2001	250	62	0	7	12	89	31	113	3	317
2001-2002	250	58	0	10	13	250	21	55	1	408
2002-2003	250	68	0	40	34	0	300	112	0	554
2003-2004	250	5	0	0	30	0	288	162	4	489
2004-2005	600	0	0	0	22	0	309	280	0	611

Table- 3 (b): Trainees trained under re-structured training programs implemented from 1.4.2005

Year	Target	U Level course	T level course	M level course	A level course	AW level course	TT level course	SJGSY	NB level course	DF level course	TOT	Appr.	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
2005-06	600	155	0	0	25	0	349	113	0	0	0	3	645
2006-07	600	270	17	0	55	0	276	51	0	0	0	2	671
2007-08	700	155	58	0	123	11	320	67	0	0	0	1	735
2008-09	700	136	12	0	72	0	471	18	10	0	0	5	724
2009-10	700	296	36	0	114	0	92	0	133	0	0	1	672
2010-11	800	467	63	0	85	0	99	0	97	0	0	0	811
2011-12	800	357	171	0	167	0	0	0	119	0	0	2	816
2012-13	800	439	139	0	193	0	0	0	28	0	0	3	802
2013-14	800	267	196	0	204	0	0	0	159	0	0	3	829
2014-15	800	458	142	14	206	0	0	0	0	0	0	3	823
2015-16	800	602	39	8	205	0	0	0	76	0	0	4	934
2016-17	1000	451	186	0	304	0	0	0	59	0	22	5	1027
2017-18	1000	584	96	0	241	0	0	0	0	0	87	8	1016
2018-19	1000	503	96	0	327	0	0	0	27	0	48	3	1004
2019-20	1000	562	115	21	273	0	0	0	39	0	0	8	1018
2020-21	1200	956	68	0	28	0	0	0	128	0	36	10	1226
2021-22	1500	1073	112	0	278	0	0	0	74	0	0	10	1547
2022-23	1700	1089	234	0	267	0	0	0	170	0	0	11	1771
2023-24	2100	1256	111	8	187	0	0	0	621	0	0	11	2194

Table 4: State wise trainees trained since inception:

Year	Up-to March 2011	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017 -18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	Since inception
Name of State	No. of trainees trained														
Arunachal Pradesh	464	24	8	50	1	231	138	78	4	12	84	1	13	61	1169
Andhra Pradesh	0	0	0	6	1	0	0	0	10	0	0	38	0	0	55
Assam	6891	552	604	518	478	407	542	733	603	698	1071	1274	1499	1888	17758
A & N Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bihar	14	9	0	0	9	1	1	9	9	19	1	4	7	16	99
Chhattisgarh	41	0	0	23	0	21	34	33	86	25	0	0	0	0	263
Dadra and Nagar Haveli Daman and Diu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gujarat	11	15	10	20	20	12	21	12	11	15	0	0	0	19	166
Goa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haryana	1	0	0	0	0	0	0	0	12	4	0	0	1	0	18
Himachal Pradesh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Jammu & Kashmir	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Jharkhand	8	1	0	0	0	0	0	0	0	0	0	1	1	3	14
Kerala	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Karnataka	1	0	0	0	0	0	0	1	0	0	0	76	0	62	140
Laddakh	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Lakshadweep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madhya Pradesh	25	12	28	5	14	33	38	66	45	46	1	23	41	21	398
Maharashtra	375	67	88	74	75	36	137	48	84	88	1	86	160	74	1393
Manipur	130	0	0	0	160	111	26	1	52	5	0	0	3	2	490
Mizoram	23	0	0	0	4	4	0	0	4	0	0	2	0	0	37
Meghalaya	31	0	0	0	0	2	0	0	1	0	0	0	3	6	43
Nagaland	28	12	15	12	16	14	47	20	41	26	63	19	4	8	325
Odissa	55	0	0	79	1	0	0	1	4	3	0	0	1	3	147
Punjab	3	0	0	1	0	0	0	0	0	0	0	0	9	0	13
Pondicherry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rajasthan	4	0	4	7	6	4	11	5	4	3	0	0	0	9	57
Sikkim	19	24	0	10	0	1	5	0	1	41	0	0	0	0	101
Tripura	83	77	13	0	5	2	0	1	0	0	0	0	5	4	190
Tamil Nadu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Telangana	0	0	0	0	0	1	0	0	0	0	0	3	1	0	5
Uttar Pradesh	79	22	32	23	32	38	14	5	27	24	5	7	9	17	334
West Bengal	34	1	0	1	1	16	13	3	6	9	0	10	12	0	106
Uttarakhand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8321	816	802	829	823	934	1027	1016	1004	1018	1226	1547	1771	2194	23328

Table 5: Course wise/State wise trainees trained of FY 2023-24:

S. No.	Course	U1	U2	U3	U5	U8	U9	U11	U12	T1	T2	T5	A1	NB	M	App	Total
Target		2100															
1	Arunachal Pradesh	0	0	0	27	0	0	0	0	0	0	0	0	34	0	0	61
2	Andhra Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Assam	32	24	64	864	72	32	38	83	59	35	37	12	529	0	7	1888
4	A & N Islands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Bihar	0	0	0	0	0	0	0	0	0	0	0	8	4	4	0	16
6	Chhattisgarh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Dadra and Nagar Haveli Daman and Diu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Delhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Gujarat	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	19
10	Goa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Haryana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Himachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Jammu & Kashmir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Jharkhand	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	3
15	Kerala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Karnataka	0	0	0	0	0	0	0	0	0	0	0	62	0	0	0	62
17	Ladakh	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
18	Lakshadweep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Madhya Pradesh	0	0	0	0	0	0	0	0	0	0	0	20	0	0	1	21
20	Maharashtra	0	0	0	0	0	0	0	0	0	0	0	42	32	0	0	74
21	Manipur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Mizoram	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
23	Meghalaya	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6
24	Nagaland	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8
25	Odisha	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3
26	Punjab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Pondicherry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Rajasthan	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9
29	Sikkim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Tripura	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
31	Tamil Nadu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Telengana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Uttar Pradesh	0	0	0	0	0	0	0	0	0	0	0	10	2	2	3	17
34	West Bengal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Utrakhand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		32	24	64	891	72	32	38	83	59	35	37	187	621	8	11	2194

Table 6: Land holding wise Trained under different training programmes:

S. No.	Particulars	U								T				A	NB	M	Apprentice			Total
		U1	U2	U3	U5	U8	U9	U11	U12	T1	T2	T5	T8	A1			Deg.	Dip.	ITI	
1	Land-Less	1	3	19	25	11	2	8	9	1	0	3	0	37	123	2	0	0	0	244
2	Marginal	22	20	49	597	53	19	15	53	28	8	4	0	42	261	2	1	3	0	1177
3	Small	3	1	9	214	5	10	13	13	12	3	18	0	44	107	2	0	1	5	460
4	Semi-Medium	6	0	3	40	2	1	1	4	10	4	6	0	36	83	0	1	0	0	197
5	Medium	0	0	4	14	1	1	1	1	3	0	6	0	22	45	2	0	0	0	96
6	Large	0	0	0	0	0	0	0	3	5	0	0	0	6	2	0	0	0	0	20
TOTAL		32	24	84	84	72	72	38	83	59	15	37	0	187	621	8	8	4	5	2194
7	Sponsored	0	0	0	0	0	0	0	0	59	15	37	0	187	621	8	0	0	0	927
8	Direct	24	24	84	718	72	38	38	83	0	0	0	0	0	0	0	2	4	5	1267
TOTAL		32	24	84	84	72	72	38	83	59	15	37	0	187	621	8	8	4	5	2194
9	No. of women candidates trained	20	18	51	718	42	30	34	64	2	4	0	0	59	84	0	0	1	12	1288

Table 7: Category wise trainees trained under different Courses of FY 2023-24:

S. No.	Particulars	U								T				A	NB	M	Apprentice			Total
		U1	U2	U3	U5	U8	U9	U11	U12	T1	T2	T5	T8	A1			Deg.	Dip.	ITI	
1	General	1	4	16	111	11	9	7	16	12	2	10	0	58	120	6	2	0	2	387
2	SC	2	10	21	76	20	3	12	22	4	0	3	0	22	55	0	0	1	0	251
3	ST	3	0	2	357	0	2	1	2	15	1	4	0	24	266	0	0	2	1	680
4	OBC	26	10	45	347	41	18	18	43	28	12	20	0	83	180	2	0	1	2	876
TOTAL		32	24	84	891	72	32	38	83	59	15	37	0	187	621	8	2	4	5	2194

Table 8: Total Demonstration, Woman Farmers Trained and Woman Trained from 2013-14 to 2023-24:

Year	Total Demonstration	Women Farmers Trained	Women Trained
2013-14	NA	64	90
2014-15	37	182	182
2015-16	51	340	380
2016-17	89	265	301
2017 -18	50	339	409
2018-19	74	337	393
2019-20	100	418	495
2020-21	100	708	724
2021-22	100	917	1010
2022-23	103	978	1116
2023-24	136	1143	1288
Total	840	5691	6388

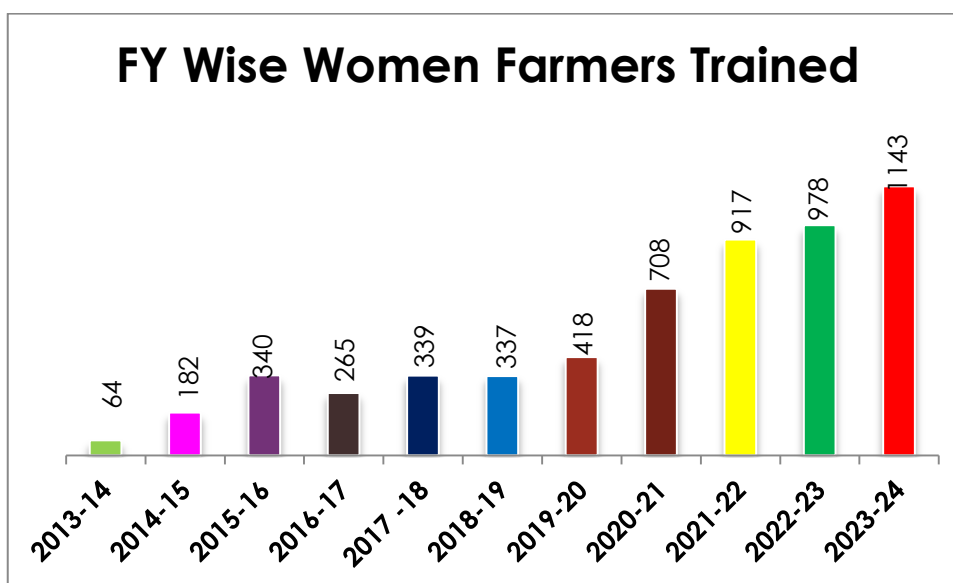


Fig. 6: Year wise women farmers trained

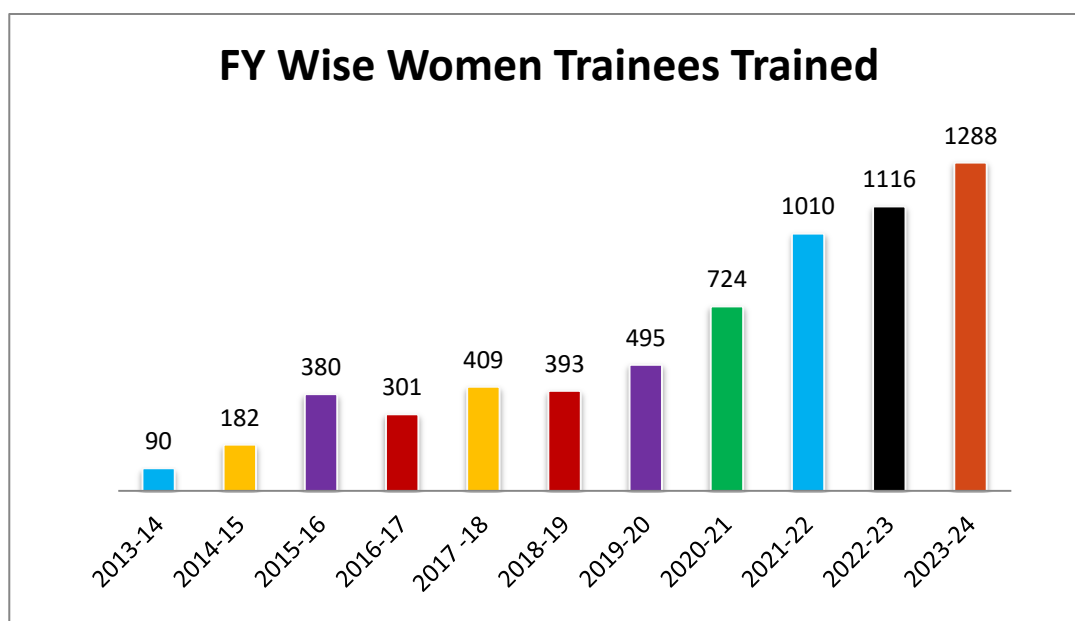


Fig. 7: Year wise women trainees trained

2.5 Auditorium:

The Auditorium building has sitting facilities with good quality chairs along-with modern audio visual aids infrastructures to accommodate around 200 viewers.

2.6 Demonstration, Exhibition and other activities:

This Institute has organized various field camps at village level and in the institute premises under SMAM scheme. Beside this, the Institute has participated in different exhibitions organized by Govt. departments, NGOs and other organizations. During the exhibition and camps, live demonstration of manual equipment, horticulture tools, weeding tools, rotavator, potato planter, self-propelled rice trans planter, drum seeder paddy reaper, sprayers, dusters, etc. were arranged by the Institute.

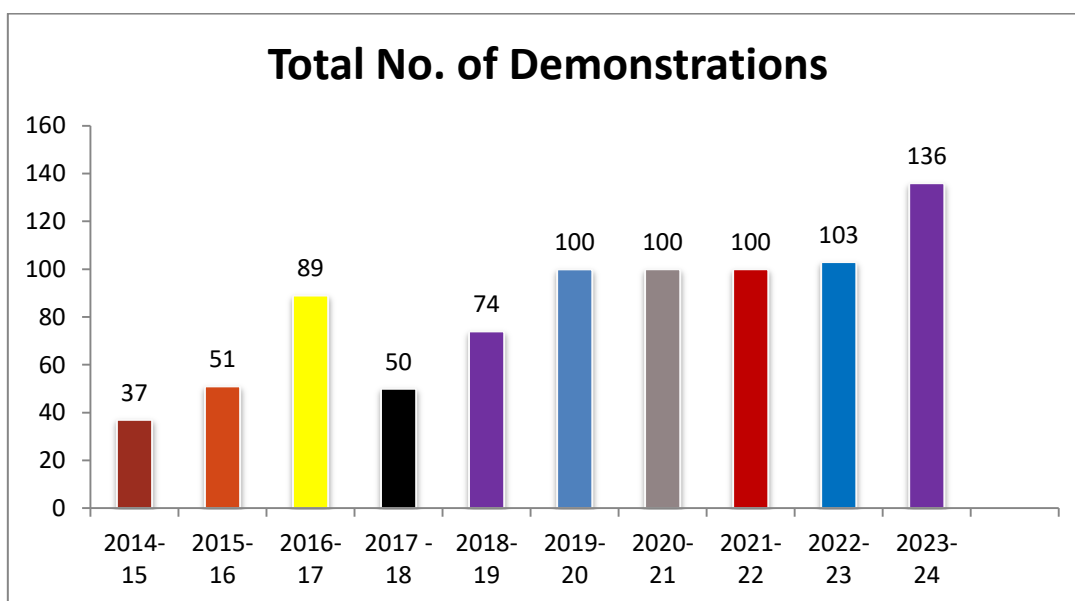


Fig. 8: Number of demonstrations

Course-wise Trainees Trained for FY 2023-24:

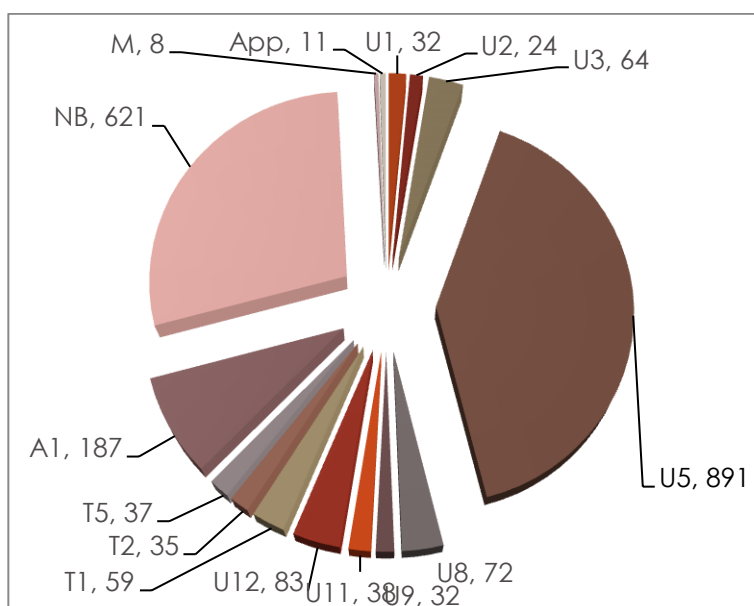
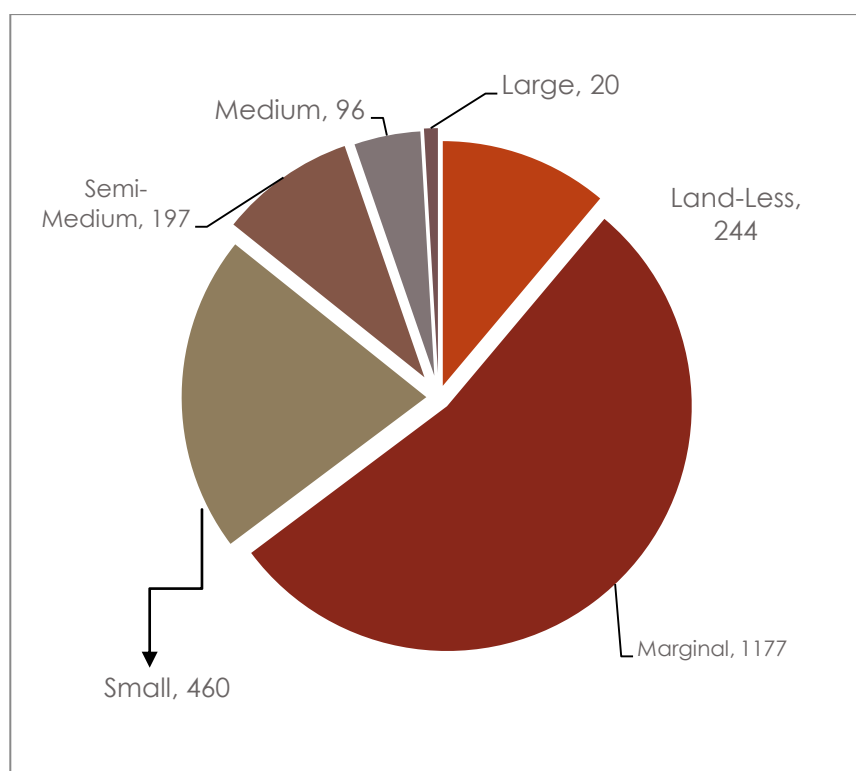
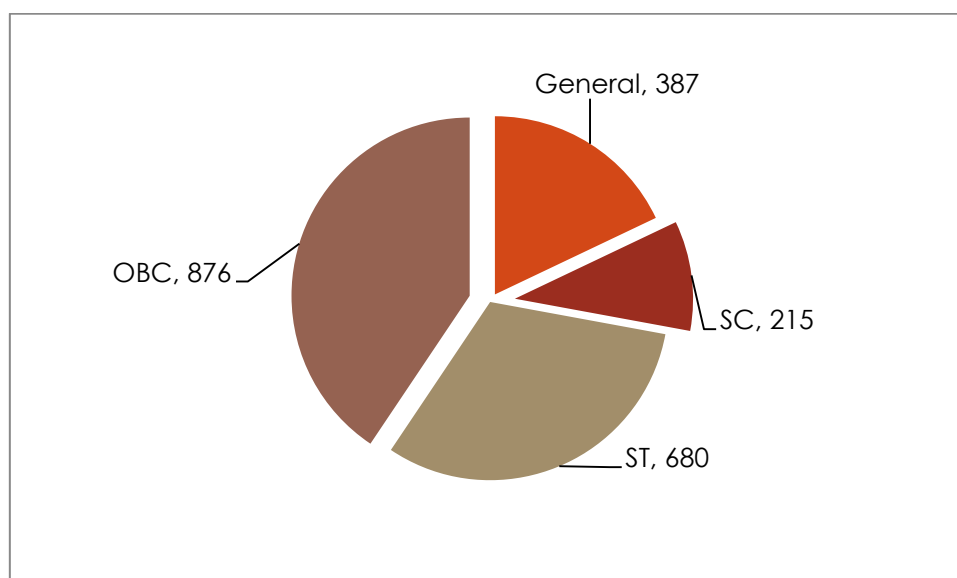
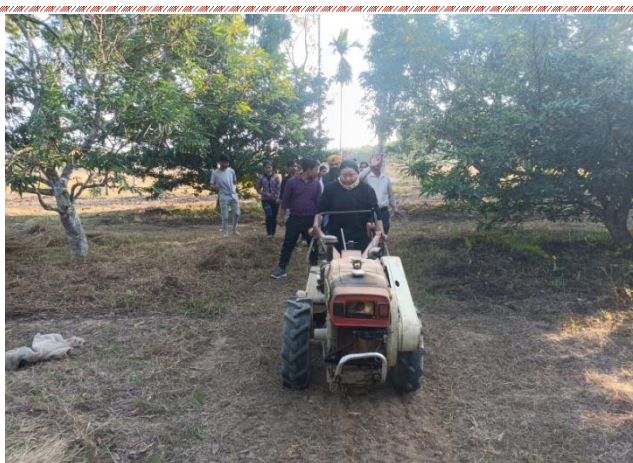


Fig. 9: Course wise trainees trained

Land wise Trainees Trained for FY 2023-24:**Fig. 10: Land holding wise trainees trained****Category wise Trainees Trained for FY 2023-24:****Fig. 11: Category wise trainees trained**

TRAINING SECTION ACTIVITIES



GENDER FRIENDLY EQUIPMENTS FOR WOMEN



DEMONSTRATION OF AGRI MACHINERY AND KISAN DRONE



VISITOR'S AWARENESS PROGRAM



POCO
SHOT ON POCO M

EXHIBITIONS GLIMPSE



3. TESTING:

The testing activity in the Institute has been started from the year 2001-02. At present, the Institute has mandate to test manual, animal drawn, tractor & power tiller operated, self-propelled agricultural equipment/ machineries as per guidelines of BIS.

3.1 Objectives of testing:

To test the agricultural implements/ machineries manufactured within the country or imported, with a view to assess their functional suitability and performance characteristics so that the published test results would:

- Serve as a basis to decide the type of machine best suited for Indian conditions which could be encouraged for import, production and popularization.
- Help the farmers and other prospective purchasers in determining the comparative performance of machines available in market.
- Provide material to Engineers and extension workers for guiding farmers in proper selection of equipment.
- Form the basis for standard specification to be used by the manufacturers.
- Help financial institution in recommending financial assistance both to the manufacturers as well as to farmers.
- Assist Bureau of Indian Standard in formulation of standards and testing of Agriculture machines covered under the scope of certification marks scheme
- Help the manufacturers in product development by providing confidential Test Report.

3.2 Testing infrastructure:

The Institute is equipped with various ranges of Instruments, Apparatus and Soil testing Equipment to test the different types of Agricultural Machinery as per guidelines of BIS. The engine test lab is equipped with one nos. of Eddy Current Dynamometer and fuel flow meters to determine the engine performance. Besides this, one AC Absorption type dynamometer is installed for testing of small engines.

3.3 Type of tests:

Commercial

Commercial tests are conducted to assess the performance characteristics & evaluation of machines which are ready for commercial production.

Confidential

Confidential tests are to carry out for providing confidential information on the performance of machines which are ready for commercial or non-commercial production. It provides special data that may require by the manufacturer to improve the design.

Table 9: Instrument details available in the Testing Section

S. No.	Type of machines/Equipment available	Qty (Nos.)
1	2	3
1.	Eddy Current Type Dynamometer (SAJ AG-10)	01
2.	AC Absorption Type Dynamometer (Elektrodyne 4.0 kW)	01
3.	Electronics Weighing Balance Machine	05
4.	Load Cell with Digital Indicator	03
5.	Vibration Meter with tri-axial sensor	02
6.	Digital Tachometer	02
7.	Grain Moisture Tester	01
8.	Soil Moisture Tester	02
9.	Sound Level Meter with Accessories	02
10.	Vane Anemometer	01
11.	Angle Sensor	01
12.	Hot Air Oven	01
13.	Digital Telemetry System for PTO Power	02
14.	Bulk Density Appatus	01
15.	Cone Penetrometer	01
16.	TRMS Handheld Digital Multimeter	01
17.	Sieve Shaker Machine	01
18.	Dry Block Temperature Calibrator	02
19.	Dry Block High Temperature Calibrator	01
20.	Hydraulic Dead Weight Pressure Gauge Tester	01
21.	Smoke Level Meter, AVL -430 STD.	01
22.	Sprit Level	02
23.	Stop Watch	02
24.	DC Variable Power Supply	01
25.	Thermometer	02
26.	Mechanical Hand Tachometer	01
27.	Sling Psychrometer	01
28.	Eddy Current Type Dynamometer (SAJ AG-10)	01
29.	AC Absorption Type Dynamometer (Elektrodyne 4.0 kW)	01
30.	Electronics Weighing Balance Machine	05
31.	Load Cell with Digital Indicator	03

Table 10: Testing charges

The testing charges/fee are fixed by the Ministry vide O.M. 10-2/2002-MY (I&P) dated 11th Nov., 2003 in respect of testing of agricultural machinery is given as under:

S. No.	Name of Machine	F.Y. 2023-24 (w.e.f. 01.04.2023)	
		Test Fee (Rs.)	GST @ %
1.	Components	24569.00	0
2.	Hand Tools	24569.00	0
3.	Power Operated Thresher, Decorticator, Sheller, Winnowers etc.	98197.00	0
4.	Animal Drawn Equipment	52383.00	0
5.	Tractor drawn/ Operated Imp./ Equipment	166954.00	0
6.	Manually Operated Equipment	36974.00	0
7.	Power Tiller driven/Self Propelled Reaper etc.	98197.00	0
8.	Tractor drawn/operated Seed cum Fertilizer drill/ Planter/ Straw Reaper, Mini Rice Mill, Power Seed Cleaners/ Grader	175123.00	0
9.	Animal Drawn Multi-tool Bar (Minimum Four attachments)	139107.00	0
10.	Self Propelled Paddy Transplanter	238956.00	0
11.	Power Operated Multi Crop Thresher (Two or more crop)	180045.00	0

**15% testing charges will be enhanced for each following financial year.

N.B.: (1) If any equipment, other than listed above, is received by the FMTTIs for test, the Testing fee for such machine shall be levied, by the Institute at the rate of 50% of the Direct revenue expenditure.

- (2) The test fee shall be revised annually rather than revising the same after every three years. In this direction, the test fee should be enhanced by 15% over the test fee prevailing in the previous year. The revised test fee shall be applicable with effect from 1st day of every financial year. The new test fee may be made applicable on those machines, which have been admitted for test on the 1st day of every financial year and thereafter.

3.4 Achievement of testing

Total 30 machines were tested during the year 2023-24 which has raised the progressive total to 491 since 2001-02. The details of machine tested such as name of machines/implements, type of test, address of Manufacturers are given in table 11.

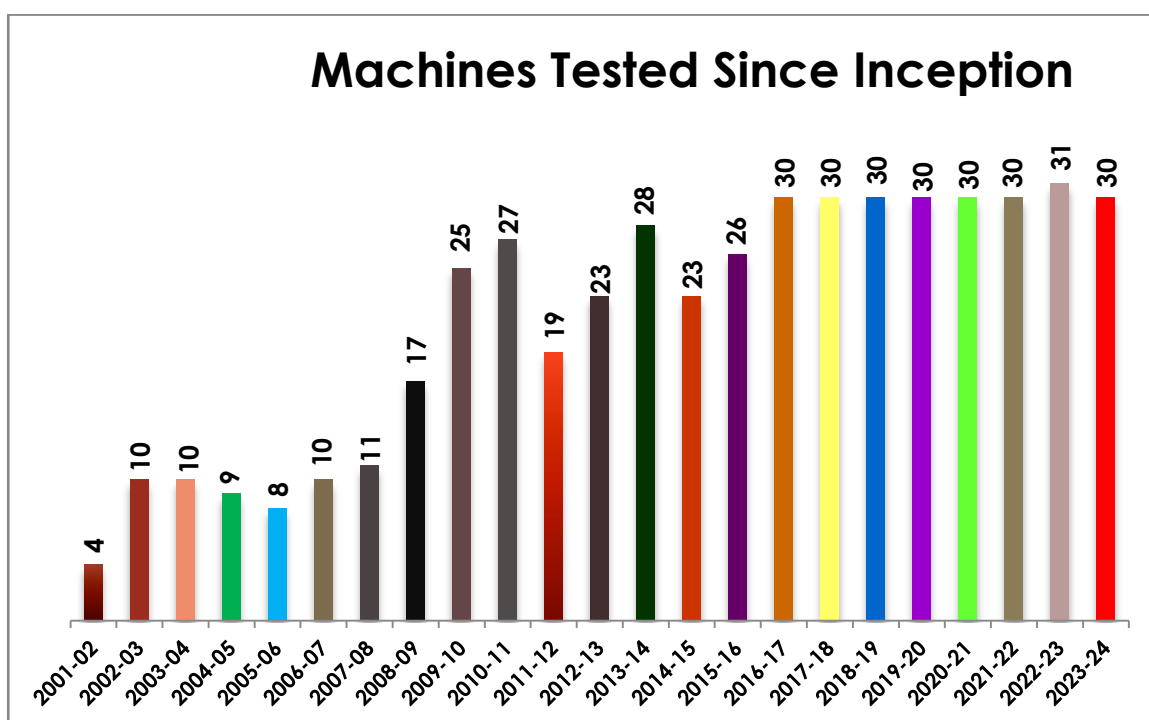


Fig. 12: Machines tested since inception

Table 11: Details of machine tested during 2023-24 under commercial test

S. No.	Name of Machine	Test Report No.	Month of release	Address of Manufacturer/Applicant
1	2	4	5	6
1	Power Weeder	Machine.91/463	May 2023	Supreme Sales Agency, 33/1, NetajiSubhas Road, Marshal House, Kolkata, West Bengal - 700001
2	Brush Cutter	Machine 92/463	July 2023	George Maijo Industries Pvt. Ltd., 2B, Apex Plaza 5, Nungambakkam High road, Chennai, Tamil Naddu-600034
3	Brush Cutter	Machine 93/464	July 2023	VST Tillers Tractor Ltd., Plot No. 222-224 & 229-232, 3rd Phase KIADB, Industrial area, Malur, Dist. Kolar, Karnataka-563130
4	Power Weeder	Machine 94/465	July 2023	VST Tillers Tractor Ltd., Plot No. 222-224 & 229-232, 3rd Phase KIADB, Industrial area, Malur, Dist. Kolar, Karnataka-563130

1	2	4	5	6
5	Brush Cutter	Machine 95/466	August 2023	Foggers India Pvt. Ltd, 313, 3rd floor, Grohitam premises, Plot No. 14B, Sector-19, Near Mathadi Bhavan, Vashi, Navi Mumbai, Maharashtra-400705, e-mail: Hitesh.shah@foggersindia.com Phone: 8080895017
6	Brush Cutter	Machine 96/467	August 2023	Foggers India Pvt. Ltd, 313, 3rd floor, Grohitam premises, Plot No. 14B, Sector-19, Near Mathadi Bhavan, Vashi, Navi Mumbai, Maharashtra-400705, e-mail: Hitesh.shah@foggersindia.com Phone: 8080895017
7	Brush Cutter	Machine 97/468	August 2023	eAgro Care Machineries and Equipments Pvt. Ltd, D-45, 5-Star Industrial area, Shendra, Aurangabad, Maharashtra – 431154 e-mail: aanshi.impex58@gmail.com Phone: 7588136360
8	Power Weeder	Machine 98/469	August 2023	VST Tillers Tractor Ltd., Plot No. 222-224 & 229-232, 3rd Phase KIADB, Industrial area, Malur, Dist. Kolar, Karnataka-563130
9	Power Weeder	Machine 99/470	Sept. 2023	VST Tillers Tractor Ltd., Plot No. 222-224 & 229-232, 3rd Phase KIADB, Industrial area, Malur, Dist. Kolar, Karnataka-563130
10	Power Weeder	Machine 100/471	Sept. 2023	eAgro Care Machineries and Equipments Pvt. Ltd, D-45, 5-Star Industrial area, Shendra, Aurangabad, Maharashtra – 431154 e-mail: aanshi.impex58@gmail.com Phone: 7588136360
11	Power Weeder	Machine 101/472	Sept. 2023	VST Tillers Tractor Ltd., Plot No. 222-224 & 229-232, 3rd Phase KIADB, Industrial area, Malur, Dist. Kolar, Karnataka-563130
12	Self Propelled Reaper	Machine 102/473	Oct. 2023	Gold Harvest Industries Flat No. 1, Harshwardan, 5 Makhmalabad Naka, Panchavati, Nashik MAHARASHTRA - 422003 e-mail: goldharvestindustries@gmail.com Phone: 9423580741
13	Power Weeder	Machine 103/474	Oct. 2023	Almighty Agrotech Pvt. Ltd G-193+G-1935+G1934/1+G-1935/1/1, Lodhika GIDC, Almighty Gate, Kalawad Road Metoda, Rajkot, Gujrat-360021 Phone: 9099926124 e-mail: aap@almightyagro.com
14	Power Weeder	Machine 104/475	Nov. 2023	AQUATIX INDIA Madan Mohan lane, 1646/B Near Binayak Steel, Gosala road Cuttak, Odisha-753004 e-mail: aquatixindia@rediffmail.com Phone: 9556989801
15	Power Weeder	Machine 105/476	Dec. 2023	AQUATIX INDIA Madan Mohan lane, 1646/B Near Binayak Steel, Gosala road Cuttak, Odisha-753004 e-mail: aquatixindia@rediffmail.com Phone: 9556989801

1	2	4	5	6
16	Brush Cutter	Machine 106/477	Jan. 2024	BaharAgrotech, 557, Dapoli Dabhol road, P.O. Dapoli, Dist. Ratnagiri Maharashtra - 415712 e-mail: baharagrotech@gmail.com Phone: 9158702424
17	Power Weeder	Machine 107/478	Jan. 2024	Sun Agro, Adarsh Service Station G.E. road, Durg, Chattishgarh - 490020 e-mail: sunagrobhilai@gmail.com Phone: 9131110928
18	Reaper (Multi crop)	Machine 108/479	Feb. 2024	VST Tillers Tractor Ltd., Plot No. 222-224 & 229-232, 3rd Phase KIADB, Industrial area, Malur, Dist. Kolar, Karnataka-563130
19	Brush Cutter	Machine 109/480	Feb. 2024	M/s VNM Industries Pvt. Ltd. 3rd floor, ShriHaari Mansion, Building No. 19 NavjivanWadi, Dhobi Talao, Mumbai MAHARASHTRA-4000002 e-mail: vnmwadkar2023@gmail.com phone: 9326355424
20	Brush Cutter	Machine 110/481	Feb. 2024	VNM Industries Pvt. Ltd., 3rd floor, ShriHaari Mansion, Building No. 19, Navjivan Wadi, Dhobi Talao, Mumbai, MAHARASHTRA-4000002 e-mail: vnmwadkar2023@gmail.com phone: 9326355424
21	Reaper	Machine 111/182	Feb. 2024	Mhaswadkar Autolines Pvt. Ltd. 283/3/1B, Karanje, New Radhika Road Satara, Maharashtra – 415001 e-mail: mhaswadkar@hotmail.com Phone: 9822046113
22	Reaper	Machine 112/183	Feb. 2024	MhaswadkarAutolines Pvt. Ltd. 283/3/1B, Karanje, New Radhika Road Satara, Maharashtra – 415001 e-mail: mhaswadkar@hotmail.com Phone: 9822046113
23	Power Weeder	Machine 113/484	Feb. 2024	Honda India Power Products Limited Plot no. 5, Sector-41, (Kasna) Greater Noida Industrial Development area Goutam Buddha Nagar, Uttar Pradesh E-mail: rk.sinha@hspp.com , ho.mktg@hspp.com
24	Power Weeder	Machine 114/485	Feb. 2024	Mr. Prakash Kumar Sethy Swampatna, Kendujhar Odisha – 758030 e-mail : Prakashlipu221@gmail.com Phone: 9556607096
25	Power Weeder	Machine 115/486	March 2024	AQUATIX INDIA Madan Mohan lane, 1646/B Near Binayak Steel, Gosala road Cuttak, Odisha-753004 e-mail: aquatixindia@rediffmail.com Phone: 9556989801

1	2	4	5	6
26	Power Weeder	Machine 116/487	March 2024	eAgro Care Machineries and Equipments Pvt. Ltd, D-45, 5-Star Industrial area, Shendra, Aurangabad, Maharashtra – 431154 e-mail: aanshi.impex58@gmail.com Phone: 7588136360
27	Brush Cutter	Machine 117/488	March 2024	AQUATIX INDIA, Madan Mohan lane, 1646/B Near Binayak Steel, Gosala road, Cuttak, Odisha-753004, e-mail: aquatixindia@rediffmail.com Phone: 9556989801
28	Paddy Transplanter	Machine 118/489	March 2024	PipiTraders, New Secretariat road Kohima, Nagaland - 787003 e-mail: akhrieyhome@gmail.com Phone: 9436000851
29	Post Hole Digger	Machine 119/490	March 2024	AQUATIX INDIA, Madan Mohan lane, 1646/B Near Binayak Steel, Gosala road, Cuttak, Odisha-753004, e-mail: aquatixindia@rediffmail.com Phone: 9556989801
30	Power Weeder	Machine 120/491	March 2024	VNM Industries Pvt. Ltd., 3rd floor, ShriHaari Mansion, Building No. 19, NavjivanWadi, Dhobi Talao, Mumbai, MAHARASHTRA-4000002 e-mail: vnmwadkar2023@gmail.com phone: 9326355424

Table 12: Year and category-wise machine tested since inception

Year	Category wise Machine and No. of Machine Tested								
	Seedbed Preparation	Sowing & Planting	Inter Cultivator	Plant Protection	Harvesting & Threshing	Residue Management	Post-Harvest	Others	Total
2006-07	3	1	6	0	0	0	0	0	10
2007-08	6	4	0	0	1	0	0	0	11
2008-09	8	0	1	0	7	0	1	0	17
2009-10	19	3	1	0	2	0	0	0	25
2010-11	17	4	2	1	2	0	1	0	27
2011-12	11	2	5	0	0	1	0	0	19
2012-13	19	2	2	0	0	0	0	0	23
2013-14	16	2	1	0	8	1	0	0	28
2014-15	16	3	1	0	2	0	1	0	23
2015-16	12	1	2	0	5	0	6	0	26
2016-17	19	1	0	0	8	0	2	0	30
2017-18	28	1	0	0	0	0	1	0	30
2018-19	27	0	1	0	0	1	1	0	30
2019-20	23	0	0	0	1	6	0	0	30
2020-21	23	0	3	1	3	0	0	0	30
2021-22	2	3	11	0	9	0	1	4	30
2022-23	2	0	9	0	6	0	0	14	31
2023-24	0	1	15	0	4	0	0	10	30
Total	251	28	60	2	58	9	14	28	450

TESTING ACTIVITIES AND INFRASTRUCTURE





4. FARM ACTIVITIES:

Table 13: The Institute is in possession of 45 ha land and break-up of utilization of land is as below:

i.	Area under Non-Residential and Residential Buildings	:	9.37 ha
ii.	Area for farming	:	9.55 ha
iii.	Area marked for training and Testing (for different field operation& practices)	:	7.34 ha
iv.	Area under Coconut orchard	:	1.40 ha
v.	Area under Teak Plantation	:	2.00 ha
vi.	Area under Tita-Sapa (Micheliachampaca)	:	0.40 ha
vii.	Area under tea plantation	:	3.00 ha
viii.	Area under newly developed tea plantation	:	1.18 ha
ix.	Area under farm security roads	:	2.95 ha
x.	Area under security roads (Parallel to the boundary wall)	:	4.11 ha
xi.	Area under Bamboo Plantation	:	0.50 ha
xii.	Area under Misc. Horticulture Crops	:	2.18 ha
xiii.	Area under areca-nut orchard	:	1.02 ha
Total			45.0 ha

4.1 Plantation

To show the live demonstration of the micro systems and its impacts on the tea and fruit crops as well to have a regular flow of revenue, the institute has completed the plantation of tea, coconut and arecanut. The coconut has been planted in pockets of land, whereas, arecanut has been planted as a mixed plantation with tita-sopa along the both sides of all farm roads. The tea plantation has been increased to get even better farm revenue. This Institute has also planted forest trees like teak and tita-sopa (champa) and other plants like Neem, Gulmohor, Nahar, Silver oak, etc.

4.2 Plantation of trees

Table14: Details of trees planted:

S. No.	Name of the plant	Progressive Total	Remarks
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>

1.	Teak Plants	1081	Planted behind Testing building & around pond near Main tank and land behind security barrack.
2.	TeetaSappa	1345	Planted in both sides of farm roads and behind hostel.
3.	Nahar	6	Planted nearby main road towards parking shed.
4.	Bamboo	800	Planted at eastern part parallel to boundary wall near pond. But near boundary wall plants were rooted out since roots are damaging the wall
5.	Coconut	282	Planted in front of testing building, backside of Admn. Building and in farm area at back side of Type-D Qtr/nearby tea garden.
6.	Arecanut (Supari)	1351	Planted in the farm area.
7.	Kathal (Jack fruit)	9	Planted at different places in the Institute.
8.	KajuBadam, Khilikha, Bhomura, Amla, Agar	29	Planted nearby boundary wall (East side of tea garden)

1	2	3	4
9.	Sapota	41	Planted Sapota& Litchi in the area of orchard of the Institute.
10.	Lemon &Khasi Mandarin	23	Planted at nearby residential quarters in the litchi orchard and parallel to the coconut orchard in front of trainee's hostel.
11.	Litchi	160	Planted at Sapota& Litchi orchard
12.	Dalchini	10	Planted nearby residential quarters
13.	Neem, Golmohar (Red & Pink), Silver Oak, Ashoka Pendula, Sisso, Gomari, Arjun, Siris, Sonaru, Moorpankhi, Musanda	472	Planted around Administration, testing, Training, Hostel & colony buildings. Ashoka trees have been planted in and around training wing.
14.	Bottle Palm Plants	36	Planted on one side of colony road.
15.	Tea Plantation	51868	Planted in two different tea gardens.
16.	Gold crest	24	Planted in front of administrative building and guest house
17.	Foxtail Palm	10	Planted in front of training building and at the periphery of threshing floor.
18.	Jamun (Indian Blackberry)	50	Planted nearby playground and opposite of old tea garden
19.	Mango	1	Planted in front of Guest House.

FARM ACTIVITIES



5. ADMINISTRATION AND PERSONNEL MANAGEMENT:

Table 15: Group-wise sanctioned strength and position:

S.No.	Group	Sanctioned Strength	Filled	Vacant
1	A	2	2	0
2	B	4	3	1
3	B-NG	7	6	1
4	C	31	25	6
	TOTAL	44	36	8

Table 16: Designation wise sanctioned strength and existing strength:

Name of the Post	Name of the incumbent	Sanctioned Strength	Present Status		Remarks
			Filled	Vacant	
Group A					
Director	Dr. P.P. Rao	1	1	-	--
Sr. Agricultural Engineer	P.C. Meshram	1	1	-	--
Group B(Gaz.)					
Agricultural Engineer	M.R. Patil	1	1	-	--
	Rajneesh Patel	1	1	-	--
Administrative Officer	Mukti Parajuli	1	1	-	--
Farm Superintendent	-	1	-	1	Filling of the post is in under process
Group B (NG)					
Office Superintendent	Bitul Payeng	1	1	-	--
Sr. Technical Assistant (I)	Ashish Patel	1	1	-	--
Sr. Technical Assistant	Asmita Paul	4	3	1	Filling of the post is in under process
	J. Bhon Singh				
	Rahul				

Library & Information Assistant	Sunil Kr. Pradhan	1	1	-	--
Group C					
Accountant	P.B. Biswakarma	2	1	1	Filling of the post is in under process
UDC	B. Upadhyaya	1	1	-	--
Stenographer Grade-II	Praphul Kumar	1	1	-	--
Senior Hindi Typist	Viveka Nand Shukla	1	--	1	The incumbent has resigned from the post of SHT on 21.02.2024
LDC	Hemanta Das	2	1	1	Filling of the post is in under process
Technical Assistant	Liban Lakda	4	3	1	Filling of the post is in under process
	R.R. Saikia				
	Gurjeet Singh				
Senior Technician	P.C. Hazarika	7	6	1	Filling of the post is in under process
	Ananda Das				
	Bhaskarjit Nath				
	Haradhan Bawri				
	Govind Viswakarma				
	Shatish Kumar Verma				
Agricultural Assistant	D.K. Nath	1	1	-	--
Technician	Kailash Chetia	3	3	-	--
	Kapil Kr. Gour				
	Sushil Koch				
MTS (Technical)	Rajkumar	2	1	1	Filling of the post is in under process
MTS	Rupeswar Sut	7	7	-	--
	Pawan Kumar Balmiki				
	Ranjan Kumar Das				
	Karuna Basumatary				
	Lakhyanath Giri				
	Nagen Bhuyan				
	Nanki Basfor				
Total		44	36	08	--

5.1 Financial performance: 2023-24 (Allocated by the Administrative Ministry)

Table 17: Financial performance

Rupees in Lakh

S. No.	Sub-Head	BE 2023-24 ₹ in Lakh	RE 2023-24 ₹ in Lakh	Progressive Total of Expenditure up-to 31.03.2024
A. MH-2401-Crop Husbandry, 113 Agricultural Engineering (Minor Head), 01-Tractor Training and Testing Institutes, 01-Establishment				
1.	010101-Salaries	200.00	0.00	178,90,850.00
2.	010102-Wages	32.00	0.00	30,97,580.00
3.	010105-Rewards	2.13	0.00	2,12,421.00
4.	010106-Medical Treatment	10.00	0.00	9,99,433.00
5.	010107-Allowances	130.00	0.00	122,97,528.00
6.	010108-Leave Travel Concession	5.00	0.00	3,99,262.00
7.	010109-Training Expenses	2.00	0.00	49,249.00
8.	010111-Domestic Travel Expense	18.00	0.00	17,56,896.00
9.	010113-Office Expenses	100.00	0.00	83,97,396.00
10.	019613-Swachhata Action Plan	4.00	0.00	3,25,029.00
11.	010116-Printing & Publications	1.50	0.00	32,517.00
12.	010118-Rent for Others	2.00	0.00	0.00
13.	010119-Digital Equipment	1.00	0.00	63,136.00
14.	010121-Supplies & Materials	5.43	0.00	5,26,473.00
15.	010124-Fuel & Lubricants	25.00	0.00	18,43,953.00
16.	010126-Advertisement & Publicity	8.00	0.00	7,67,160.00
17.	010127-Minor Civil & Electrical Works	15.00	0.00	14,82,500.00
18.	010128-Professional Services	1.50	0.00	1,10,290.00
19.	010129-Repair & Maintenance	5.00	0.00	2,86,868.00
20.	010149-Other Revenue Expenditure	1.00	0.00	97,420.00

TOTAL		568.56	0.00	506,35,961.00
B. MH-4401-Capital Outlay on Crop Husbandry, 113 Agricultural Engineering, 19-Tractor Training and Testing Institutes				
1.	190051-Motor Vehicle	19.50	0.00	10,44,799.00
2.	190052-M&E	91.00	0.00	69,57,884.00
3.	190071-ICT	10.00	0.00	9,99,510.00
4.	190072-Building & Structures	290.00	0.00	0.00
5.	190074-Furnitures & Fixtures	5.00	0.00	1,56,450.00
6.	190077-Other Fixed Assets	9.00	0.00	0.00
TOTAL		424.50	0.00	91,58,643.00

5.2 Activity-wise revenue earned during 2023-23

Table 18: Revenue earned by different section

S. No.	Source of Revenue	Item	Revenue Received in 2023-23
1.	Training Fees	Incidental, Utensils Charges etc.	7,70,632.00
2.	Testing Fees	Testing Charges of Agricultural Implements etc.	23,62,117.00
3.	Receipts from Agricultural Farm	Coconut, Arecanut, Mustard, Paddy, Sesamum, Bamboo, Paddy Straw, etc.	8,34,470.00
4.	Other Receipts	Misc.	60,040.00
5.	Sale proceed of dead stock waste paper and other articles(agri-kol)/auction		93,163.00
TOTAL			41,20,422.00

5.3 (i) New Staff Recruitment during 2023-24: Nil

(ii) Transfer/ Posting during 2023-24:

Table 19: Officers and officials have been transferred/ posted/promoted in different cadre are:

S. N.	Name of the officer /staff	Group	Transfer /posting
1	Shri S.G. Pawar, AE	B	Transferred from NERFMTTI, Assam to NERFMTTI, Hisar
2	Shri Rajneesh Patel, AE	B	Transferred from CFMTTI, Budni to NERFMTTI, Assam and joined 21.08.2023
3	Shri Khagendra Bora, STA	B-NG	Transferred from NERFMTTI, Assam to CFMTTI, Budni
4	Ms. Asmita Paul, STA	B-NG	Transferred from NERFMTTI, Hisar to NERFMTTI, Assam and joined on 01.01.2024
5	Shri. Bhon Singh, STA	B-NG	Transferred from SRFMTTI, Anantapur to NERFMTTI, Assam and joined on 18.03.2024
6	Shri Rahul, STA	B-NG	Transferred from CFMTTI, Budni to NERFMTTI, Assam and joined on 18.03.2024
7	Shri R.R.Saikia, TA	C	Transferred from SRFMTTI, Anantapur to NERFMTTI, Assam and joined on 03.04.2023
8	Shri. Sushil Koch, MTS (T)	C	Promoted to the post of Technician and posted at NERFMTTI, Assam
9	Shri D. Ramesh, T.A	C	Transferred from NERFMTTI, Assam to SRFMTTI, Anantapur

(iii) Retirement/resignation:

S.No.	Name		
1	Shri Bhushan More, STA	B-NG	Resigned from the post of Sr. Technical Assistant and

			relieved him on 15.12.2023.
2	Shri Viveka Nanda Shukla, SHT	C	Resigned from the post of Senior Hindi Typist and relieved him on 21.02.2024.

6. हिंदी अनुभाग

यह संस्थान उत्तर-पूर्वी क्षेत्र में स्थित है जो राजभाषा मानदंड के समूह "ग" में आता है, कार्यालय के लिखित कामकाज अंग्रेजी में होने के साथ हिंदी को भी पर्याप्त स्थान मिलता है मौखिक कार्य ज्यादातर हिंदी में ही होता है तथा पत्राचार में हिंदी का भाग समूह ग के मापदण्डों से भी अधिक होता है। वर्तमान में सभी अधिकारी और कर्मचारी कार्यालय का कामकाज हिंदी में कर रहे हैं। हिंदी पत्राचार की प्रतिशतता में पिछले कुछ समय से उल्लेखनीय सुधार हुआ है जिसका माध्यम मौखिक निर्देश, कार्यशालाओं और समारोह के आयोजनों तथा प्रशिक्षण को हिंदी में देना है। इन आयोजनों ने ही गैर-हिंदी भाषी कर्मचारियों की भी आगे आकर हिंदी अपनाने को प्रोत्साहित किया है। संस्थान में उपलब्ध सभी कम्प्यूटरों को बहुभाषी बनाने हेतु अनेक उपाय किये गए हैं जैसे की गूगल हिंदी इनपुट, हिंदी मंगल फॉन्ट को इंस्टाल करना इत्यादि। संस्थान में वर्ष में लगभग हिंदी से संबंधित 5-7 बैठके निश्चित रूप से होती हैं जिनमें हिंदी के प्रगति की चर्चा तथा आगे का कार्यक्रम निर्धारित होता है। इसके अतिरिक्त संस्थान की वेबसाइट का भी हिंदी रूपांतरण कर लिया गया है।

- धारा 3(3) 1963 के तहत जारी दस्तावेज : 229
- वर्ष 2023-24 के अंतर्गत पत्राचार का विवरण:

क्षेत्र	हिंदी में	अंग्रेजी में	भेजे गये कुल पत्रों में हिंदी पत्रों का प्रतिशत
क	248	260	95.38
ख	81	138	58.69
ग	507	535	94.76

तदनुसार, संस्थान राजभाषा के सभी निर्देशों का पालन कर रहा है, और कार्यान्वयन समिति निकट भविष्य में हिंदी पत्राचार में अधिक प्रगति के लिए उपयुक्त और प्रभावी कारवाई कर रही है। संस्थान ने 14 सितम्बर, 2023 से 29 सितम्बर, 2024 तक हिंदी पखवाड़ा का आयोजन किया। हिंदी पखवाड़ा में विभिन्न प्रकार के प्रतियोगिताओं का आयोजन किया गया जैसे हिंदी में निबंध लेखन, आकस्मिक वक्तृता, किस्सा- गायन करना, इत्यादि, जिसमें संस्थान के परिवारजनों के साथ-साथ सभी कर्मचारियों, प्रशिक्षणार्थियों तथा प्रशिक्षुओं ने भाग लिया। सभी प्रतिभागियों को राजभाषा हिंदी के और अधिक प्रचार-प्रसार व सामान्य प्रयोग में हिंदी के उपयोग को बढ़ाने हेतु पारितोषिक भी दिया गया।

इसके अतिरिक्त संस्थान में सभी प्रकार के बैनर, सूचना, इत्यादि मुख्यतः राजभाषा हिंदी में ही जारी की गयी और राजभाषा हिंदी को सुलभ और सुचारू रूप से बोलने-लिखने के लिए संस्थान द्वारा विभिन्न प्रकार की हिंदी पुस्तकों की खरीद इसी वर्ष के दौरान की है।

हिंदी समारोह - सितंबर 2023

हिंदी पखवाड़ा के अवसर पर माँ सरस्वती का दीप प्रज्जलित करते हुए डॉ. पी. पी. राव, निदेशक और अतिथिगण



हिंदी समारोह के उपलक्ष्य में मुख्य अतिथि का स्वागत करते हुए निदेशक महोदय



पखवाड़ा के दिवस पर संबोधित करते हुए निदेशक महोदय



हिन्दी पखवाड़ा पर प्रतियोगिता प्रस्तुत करते हुए कर्मचारी,
उनके परिवार के सदस्य एवं प्रशिक्षणार्थी



7. OTHER ACTIVITIES AND FUNCTIONS AT THE INSTITUTE

International Yoga Day (21.06.2023)



INDEPENDENCE DAY (15.08.2023)







8. VISIT OF HIGH DIGNITARIES IN THE INSTITUTE

Date	Name & Designation	Remarks
28.07.2023	Jay Shivani, IAS ADC i/c Biswanath	<p>Visited Farm Machines Training & Testing Institute today for validation of seed based training course for newly joined JEs in Dept. of Agri, Assam.</p> <p>Had a really good experience. Institute is contributing immensely towards Agri Development of the country.</p> <p>Best wishes.</p> <p><i>Jaysh</i> 28.7.23</p>
07.12.2023	Dr. Jaya kumar Kaxppusamy, Retd. IAS	<p>Quite impressed with the spec for maintenance of cut models, machine parts. Components & methodology followed for imparting know-how. Excellent approach demonstrated to motivate, make young persons interested in Agriculture & to contribute to the Community & to the nation.</p> <p>Best wishes & Kudos to the efforts being made.</p>
07.12.2023	Dr. Roman S. Feclotkin Head of Auto - tractor Dept. Asstt. Professor & team	<p>We are extremely thankful for the invitation and opportunity to get acquainted with your outstanding testing and training facilities.</p> <p>We are sure that the equipment and machines jointly developed in our Indian-Russian project will show best results and will be recommended for mass production.</p>

15.03.2024

S. Rukmani, JS (M&T)

The institute is working upto the potential. Several new initiatives have been started. Initiatives like Asoca nut plantation, hybrid variety of Litchi will fetch income in the long run. There is a great potential to start FMB/CIC for crop sectors. Specific machines like, C.C.E., Asoca nut, tea etc. There is

REMARKS
A great scope for skill development of workers needed in tea industries. Training courses can be started for them in collaboration with Tea Industry Associations. I wish all the best for the future endeavour.

[Signature]
JS M&T
15-03-2024

Glimpses of the visit of Dignitaries



