# Annual Report 2014-15





GOVERNMENT OF INDIA

MINISTRY OF AGRICULTURE (DEPTT. OF AGRI. & COOPN.)

MECHANIZATION & TECHNOLOGY DIVISION

# NORTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE

(An ISO 9001 : 2008 Certified Institution) SIRSA ROAD, HISAR -125 001

Phone: (01662) 276984,276824,276172 Website: http://nrfmtti.gov.in • Email: fmti-nr@nic.in



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# Preface

Farm Mechanization is playing vital role in saving energy & resources and faster the agriculture growth through efficient utilization of inputs by ensuring timeliness of agricultural operation and reducing cost of production. Due to non-availability of manpower during peak crop seasons and global warming demands appropriate machines & equipments for various farm operation. Farm mechanization in India is progressing steadily and gaining more importance in the context of increasing the productivity and higher returns to the farmers besides alleviation of drudgery associated with various farm operations.

The Institute has organized, Krishi Darshan Expo - 2014 in which nearly 250 exhibitors and 60,000 farmers were benefited. The Institute also displayed the machinery in the IITF-2014, New Delhi. This Institute has been instrumental in promotion of agricultural mechanization in the country by way of popularizing new technology and improved agricultural machinery & equipments through demonstrations, human resource development and quality improvement of the agricultural machines and equipments through testing. This Institute got 'ISO 9001-2008 Certification' on 11/02/2014. Since inception, this Institute has trained 53210 trainees and tested 1716 agricultural machines. During the year 2014-15, this Institute has trained 1917 trainees and tested 130 machines. However, with the technological advancements, the challenges in the field of agricultural mechanization are required to be addressed very efficiently for which the Institute also have to share more responsibilities. The sustainable delivery and support systems have to be brought in, to address the problems of the end users for which augmentation of the facilities and infrastructure at the institute is necessary.

In this year testing facilities for testing of Sugarcane Harvesters are developed and test procedures are also developed for testing of Sugarcane Harvester, Infielder, Cotton Picker, Tractor PTO powered Gyaro Rack and Hydroponic machine for raising fodder crop and nursery. This Institute also achieved the Zero Wait List in respect of Combine Harvester, Thresher, Straw Reaper Combine, Cotton Planter, Baler, Sugarcane Harvester and Happy Seeder.

I am happy to release the Annual Report of the Institute for the financial year 2014-15 which gives brief information about different activities of the Institute. I take this opportunity to thank all officers and staff of this institute for their coordinated efforts in achieving the desired targets and at the same time I would like to urge to continue this for the future.

# THE INSTITUTE

he modernization of agriculture through progressive use of modern agricultural machinery and improved farming techniques, will promote higher productivity and production, better quality agro produce and in turn, higher economic return and employment besides alleviation of drudgery associated with farm operations. Tractors, combine harvesters, power tillers, irrigation pumps and other farm machinery are now being extensively used in the country. Yet, there is a lack of knowledge and experience in the proper operation and maintenance of farm machinery and also selection of machinery and implement combinations best suited to various farming conditions. To derive maximum benefit from the use of farm machinery, trained manpower is needed in the field of selection, operations and maintenance of farm machinery. Adoption of techniques of mechanized cultivation is also of great importance.

To meet this requirement, the Govt. of India established an Agricultural Machinery Utilization Training Centre at Budni (Madhya Pradesh) in 1955. Subsequently, the task of testing of tractors and allied farm machinery was also entrusted to the Centre. On augmented demand from various sectors for trained man power and need for quality improvements on equipment, Government of India established three more Farm Machinery Training and Testing Institutes at Hisar (Haryana) in 1963, Garladinne (Andhra Pradesh) in 1983 and Biswanath Chariali (Assam) in 1990. Since then the institutes are catering to the various requirements of farm mechanization in the country.

#### Location

Hisar is situated at latitude of 29° 10' North and longitude of 75°46' East at an altitude of 215.2 m from Sea level. The Northern Region Farm Machinery Training & Testing Institute, Hisar is located on National Highway No. 10 and is about 170 Km from Delhi by road and 185 Km by rail. This institute is situated on Sirsa road about 4 km from Hisar town. Hisar is well connected by road from Inter-state Bus Terminus (ISBT) Delhi & is also connected with New Delhi by rail.

#### Climate

Hisar has tropical monsoonal climate and is characterized as arid type of climate. It has characteristically four seasons during the year viz. summer (March to May), South West monsoon (June to September), Post Monsoon (Oct. to Nov.) and winter (Dec. to Feb.). The summers are generally quite hot and winters are fairly cool. Annual average precipitation is about 350-400 mm. The minimum and maximum temperature at Hisar during different months is given below.

Temp.	Jan	Feb	Mar	Apr	May	Jun
Max.°C	17.2	22.7	30.3	39.7	40.9	39.6
Min.°C	7.7	8.6	11.1	16.2	23.0	25.1

Temp.	July	Aug	Sept	Oct	Nov	Dec
Max.°C	37.5	36.4	33.5	31.4	27.9	21.6
Min. °C	26.9	24.6	24.6	19.6	11.4	6.4

#### MANDATES OF THE INSTITUTE

## a) Training

- To train trainers in the selection, operation, maintenance/repairs, energy conservation, scheduling and management of various agricultural implements and machinery.
- To offer training programs to the personnel of State Governments/ Organizations / Institutions to cater their need on various aspects of agricultural mechanization.
- To impart refresher training to technicians, rural youths, farmers and others in the repair and maintenance and energy conservation of agricultural machines.
- To offer on the job training to technicians who want to establish their own workshops for repairs
  of agricultural implements, electrical motors, engines, tractors etc.
- To train users/farmers in the operation, maintenance, energy conservation and other aspects of agricultural implements and machines.
- To arrange on-site training program (village camps) on energy conservation, preventive maintenance etc. and field demonstration of newly developed agriculture machinery on the farmer's field for the benefits of the farmers, technicians and extension personnel.
- To conduct training program for foreigners sponsored by international agencies like ILO, FAO, ITEC, SCAAP etc. for improvement in their knowledge and skill in operation and maintenance of tractors and agricultural machinery.

# b) Testing

- i) To test the combine harvesters, engines, irrigation equipment, implements and other agricultural machines manufactured in 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 suited for Indian conditions, which could be encouraged for import, production and popularization.
- Help the farmers and other perspective purchaser in assessing the comparative performance of the machines and selection thereof.
- Provide data/material to extension workers for guiding farmers and other purchasers in the proper selection of the equipment and to provide material to the researchers/designers for improvement in the quality and other R&D work.
- Form basis for standard specification to be used by manufacturers and distributors.
- Help financial institutions in providing financial assistance both to the manufacturers and farmers.
- ii) To test components of farm machinery for assisting manufacturers for product improvement.
- iii) To promote export of agricultural machines through testing in accordance with the International/Indian Standards.
- iv) To assist Bureau of Indian Standards in formulation of National Standards on agricultural equipments. Apart from above regular testing activities, the testing wing also takes up:
- Evaluation of samples under Consumer Protection Act through District Consumer Redressal Forum.
- Preparation of comparative performance data of different machines for the benefit of user/farmers.
- Testing of prototypes/ commercial model developed by SAUs and ICAR etc.
- Testing of combine harvesters under Central Motor Vehicle Rules.

# **INFRASTRUCTURE FACILITIES**

#### A. Staff

The sanctioned staff strength of the Institute is 81 comprising 3 Group "A", 6 Group "B" Gazetted, 12 Group "B" Non-Gazetted and 60 Group "C" officers/officials. During the year 2014-15, 20 posts were vacant. A team of qualified technical staff is engaged for imparting "on-the-job" training under the guidance of well-qualified senior engineers. Similarly, the testing wing is manned by qualified engineers. Organizational chart of the Institute is given in Annexure—I.

## **B.** Library

The Institute has a well-maintained Library having about 17209 books both in English and Hindi, on various aspects of agricultural mechanization. In addition to text books, quite a good number of engineering journals, Indian as well as foreign journals are also available. There is also a large collection of technical bulletins and newsletters.

#### C. Farm

The Institute posses 101 ha Farm area out of which 43 ha is net cultivable area.15 ha is irrigated land and rest is rain fed. Regular crops are being grown to support training & testing activities of the institute.

#### D. Rest House

A rest house with moderate facilities is available at the Institute for accommodating visitors and manufacturers.

# E. Dispensary

A dispensary is equipped with modern medical instruments for normal medical check-up. The medicine for first aid treatment of trainees and staff and their family is adequately available in the dispensary. The dispensary is staffed with a regular compounder and a part-time medical practitioner.

#### F. Hostel

There are three hostels, two for boys & one for women trainees separately with the facility of contract mess. The total capacity of hostels is about 150 trainees. The lodging facilities to the trainees are provided free of cost. The mess on contractual basis is being run in the hostel with moderate charges of Rs. 71/- per day. There are indoor & outdoor sports facilities for trainees.

# **G.** Machinery and Equipments

The following machinery and equipments are available in the institute for imparting training and conducting testing of agricultural machinery.

Pneumatic wheeled tractors	20
Crawler tractors	01
Transport vehicles	02
Stationary engines	06
Centrifugal and submersible pumps	21
Farm machines & implements	152
Plant protection equipment	30
Horticulture tools (Petrol operated)	03

#### **H. Audio Visual Section**

To supplement "on-the-job" training, sizeable collection of cut-way models of tractors, engines, pumps, electric motors and a number of display charts, boards and models are available. The Audio Visual Section possesses multimedia projector, 32" LCD Television, video cassettes and video CDs on technical matters.

# I. Laboratory

Training section is equipped with following laboratories to impart the training on various aspects of mechanization.

- Appropriate Mechanization Technology Lab.
- Agriculture Processing and Value Addition Lab.
- Non-conventional Energy Sources Lab.
- Irrigation Pump Lab.
- Gender Friendly Equipments/Tools Lab.
- Plant Protection Equipment Lab.
- Bullock Drawn & Hand operated equipment Lab.
- Hydraulic Lab., Tractor Cut Model and Demonstration Lab.

# **TRAINING**

The training wing is fully equipped with the facilities to impart "on-the-job" training on operation, repair & maintenance, and overhauling of tractors, power tillers. The training wing also have the facility to impart training on assembling and dismantling of assemblies/sub-assembly of hydraulic system, auto electrical system, engine, power transmission system, irrigation pumps, plant protection equipments, electric motor and other hand tools. There is a good collection of machinery required for crop production, harvesting/post harvesting & value addition of farm produce. The various training programs are being offered, their duration, incidental charges and training calendar for the year 2015-16 are given in Table no.1 & 2 respectively.

#### TRAINEES TRAINED

Total 1917 trainees were trained against the target of 1900 during the year 2014-15. Out of the 1917 trainees, 294 are women trainees. Category-wise trainees trained including General 625, SC 377, ST 94 & OBC 817. According to size of land holdings the trainees trained comprises of Landless-1699, Marginal-44, Small -59, Semi-medium-57, Medium – 45 & Large – 13. The progressive total of the trainees trained since inception of the institute is 53210 out of which 152 are Foreign Nationals. The year-wise number of trainees trained is graphically shown in Annexure-II.

The trainees trained during last five years, course-wise are shown in Table-3. The total trainees trained state-wise during last five years and since inception of the institute is represented in Table-4. A list of foreign nationals trained since 1984 is given in Table-5.

#### **NEW INITIATIVE**

New initiatives have been taken to improve the training facilities at this Institute. In this the construction of new training building is under progress and it may likely to be completed within this financial year. The extension of Ladies Hostel is in pipe line to increase the accommodation capacity for female trainees. The modern machines like Straw Baler, Hay Rake, Battery Operated Sprayer have been purchased to impart the training.

**TABLE 1: TRAINING PROGRAMS** 

S.N.	Name	of the Course	Duration	Incidental charge	
ı	USER	LEVEL COURSES:			
	U1	Appropriate Mechanization Technology for Energy Management in Agriculture	4 weeks		
	U2 Selection, Operation, Safety and Maintenance of Improved Agricultural Machinery  U3 Operation, Maintenance and Management of Power Tiller  U4 Training Program on Agro Processing & Value Addition Equipments  U5 Gender friendly Equipments for Women Farmers  U6 Utilization of Non-conventional Energy Sources in Agriculture  U7 Water Management Through Sprinkler and Drip Irrigation & Water Saving Devices		6 weeks		
			2 weeks		
			2 weeks		
			3 days	FREE	
			1 week		
			1 week		
U8 Selection, Operation, and Maintenance of Plant Protection Equipments			1 week		
	U9 Selection, Operation, and Maintenance of Improved Harvesting & Threshing Machines		2 weeks		
	U10	Selection, Operation, and Maintenance of Hand Pump	1 week		
	U11 Selection, Operation and Maintenance of Agril. Machinery for Dry Land Agriculture  U12 Crop Specific Machines:  a) Package of Agricultural Machinery for Paddy Cultivation  b) Package of Agricultural machinery for Maize cultivation  c) Package of Agricultural machinery for Vegetable Cultivation  d) Package of Agricultural Machinery for Sugarcane Cultivation  e) Package of Agricultural Machinery for Horticulture & Medicinal Crops Cultivation		2 weeks		
			1 week each	FREE	
	f)	Package of Agricultural Machines for Oil Seed and Pulse Crop			
	g)	Package of Agricultural Machinery for Forage /Fodder Production and Fodder Management			
	U13	Information Technology Application in Farm Mechanization			

II	TECHNICIAN LEVEL COURSES:  A. Courses on Repair and Overhauling				
	A. Cou				
	T1	Repair and Overhauling of Stationery Engines and Tractors	6 weeks	Rs. 300/-	
	T2	Repair & Overhauling of Power Tillers	2 weeks	Rs. 100/-	
	T3	Establishment and Management of Agricultural Machinery Repair and Maintenance Workshop	4 weeks	Rs. 200/-	
	T4	Study & Repair of Hydraulic System in Agriculture Machines.	4 weeks	Rs. 200/-	
	T5	Repair and Maintenance of Auto Electrical Equipments and Battery Re-conditioning	3 weeks	Rs. 150/-	
	T6	Repair, Maintenance & Rewinding of Electrical Motors, and Submersible Pumps for Agricultural Use	3 weeks	Rs. 150/-	
	T7	Operation & Maintenance of Land Shaping and Development Machinery	4 weeks	Rs. 200/-	
	T8	Repair, Maintenance & Overhauling of Diesel Pumping Sets	2 weeks	Rs. 100/-	
	T9	Maintenance, Repair and Installation of Combine Harvesters and Straw Reaper	3 weeks	Rs. 150/-	
	B. Ear	Earning While Learning Courses:			
	TEL-1	Repair and Overhauling of Stationery Engines, Tractors and Diesel Pumping Sets (Refer course contents of T-1 course)	6 months		
	TEL-2	TEL-2 Repair & Overhauling of Power Tillers (Refer course contents of T-2 course)			
	TEL-3 Establishment and Management of Agricultural Machinery Repair and Maintenance Workshop (Refer course contents of T-3 course)		6 months	Rs. 200/- per course	
	TEL-4	Repair and Maintenance of Auto Electrical Equipments, Battery Re-conditioning, Rewinding of Electrical Motors and Submersible Pumps (Refer course contents of T-5 & T-6 course)	6 months		
	TEL-5	Maintenance, Repair and Installation of Combine Harvesters and Straw Reaper (Refer course contents of T-9 course)	6 months		





III	MANAGEMENT LEVEL COURSES:			
	M1	Testing and Evaluation of Farm Machinery	1 week	
	M2 Agriculture Machinery Management  M3 Export Management of Agricultural Machinery		1 week	
	М3	Expor t Management of Agricultural Machinery	1 week	Rs. 1000/-
	M4 Instrumentation for Farm Machinery Testing and Evaluation  M5 Entrepreneurship Development to Establish Custom		1 week	per week
	M5 Entrepreneurship Development to Establish Custom Hiring Agro-service Centre		1 week	
	M6 Farm Machinery Management for Dealers / Traders / Manufacturers etc.		1 week	
IV	ACADE	MIC LEVEL TRAINING PROGRAM:		
	A1	Practical Training Program on Farm Power & Machinery for Degree/Diploma Engineering Students	4 weeks	Rs. 200
	A2	Practical Training Program on Farm Power and Machinery for ITI & Vocational Courses for 10+2 Students	4 weeks	per course
V	TECHN	IOLOGY TRANSFER CAMPS – OFF CAMPUS		
	TT1	Energy Conservation & Safety in Farm Machinery	1-2 days	FREE
	TT2	Familiarization and Demonstration of Improved/ Modern Agricultural Machines	1-2 days	
VI	NB	Need based Training Program on Farm Mechanization	As per require- ment	Rs. 200 per month (except for farmers)
VII	FN	Training Program for Foreign Nationals as per Requirements under Bilateral Program	10-18 weeks or as per require- ments	As per Govt. policy

The trainees under user level course (U1-U12) are provided stipend @ Rs. 2000 per month or @ Rs. 500/per week as amended from 2014-15 onwards. The one time to & fro travel charges are reimbursed on production of actual ticket by ordinary mode of transport.

Table-2: TRAINING CALENDER FOR THE YEAR 2015-16

		NORTH	NOBTHERN REGION FABM MACHINERY TRAININ	FABM MACHINERY TRAINING AND TESTING INSTITUTE SIRSA BOAD HISAB	D HISAR	
Ž	NAME OF COURSE	CODE	COURSE NAME	DATE OF COMMENCEMENT	DURATION (WEEKS)	Eligibility
⋖	USER LEVEL COURSES	D	Appropriate Mechanization Technology for Energy Management in Agriculture	3rd August , 2015; 4th January, 2016 and as per requirement	4	Progressive farmers desirous of taking to
		U2	Selection, Operation, Safety and Maintenance of Improved Agricultural Machinery	1st September 2015, 19th October 2015, 1st December 2015, 15th February 2016	9	mechanized farming, tractor and agricultural machinery owners,
		U5	Gender friendly Equipments for Women farmers	3rd August 2015, 12th October 2015, 1st December 2015, 15th February 2016 and as per requirement	3 days	nominees of Central/ State Government Departments, extension
		U2	Water Management Through sprinkler and drip Irrigation & Water saving devices.	1st February 2016, and as per requirement	1	workers and people working in private
		N8	Selection, operation and maintenance of Plant Protection Equipments	7th September 2015 and as per requirement	1	institutions using farm machinery
		60	Selection, Operation, and Maintenance of improved Harvesting & Threshing machines	6th April 2015, 5th October 2015 and as per requirement	2	
		N11	Selection, operation and maintenance of agril. Machinery for dry land agriculture	6th July, 2015 and as per requirement	2	
		U12 a	Package of Agril. machinery for Paddy cultivation	7th September 2015, 12th October 2015, 7th December 2015,15th February 2016 and as per requirement	1	
М	TECHNICIAN LEVEL	F	Repair and overhauling of Stationery engines and tractors	1st April 2015, 19th October 2015, 1st December 2015, 11th January 2016	9	Candidate should possess an ITI certificate in related field viz. tractor mechanic, farm mechanic or equivalent certificates. The candidates who have already undergone U2 series course are also eligible.
		T2	Repair and maintenance of Auto Electrical equipments and Battery re-conditioning	13th April 2015, 3rd August 2015, 24th August 2015 and as per requirement	က	ITI certificate in Electrical Trade.

users Agricultural machinery		As per requirement	As pel	machinery Familiarization and demonstration of As per improved/ modern agril. Machines.	machinery  TT2 Familiarization and demonstration of improved/ modern agril. Machines.	machinery Familiarization and demonstration of improved/ modern agril. Machines.
	,	As per requirement	Need based Training Program on Farm Mechanization	NB	NEED BASE	ш
Candidates nominated by the ITI colleges	4	1st April 2015, 3rd August 2015, 1st September 2015, 5th October 2015, 2nd November 2015, 1st December 2015 4th January 2016, 1st February 2016 and as per requirement	Practical Training Program on Farm Power and Machinery for ITI & vocational courses for 10+2 Students.	A2		
Candidates nominated by the Degree/Diploma engineering Colleges	4	5th May 2015, 1st June 2015, 6th July 2015 and as per requirement	Practical Training Program on Farm Power & Machinery for Degree/Diploma Engineering Students.	A1	ACEDEMIC LEVEL COURSES	Q
Government organizations	<del>-</del>	As per requirement	Farm machinery management for dealers/traders / manufacturers, etc.	M6		
Nominated officials from the Central/State	-	As per requirement	Entrepreneurship development to establish custom hiring agro-service centre	M2		
machinery manufacturers, private entrepreneurs,	_	As per requirement	Instrumentation for Farm Machinery Testing and Evaluation	M 4		
tractor and agricultural	_	As per requirement	Agriculture Machinery Management	M2	LEVEL COURSES	
Representatives of	1	As per requirement	Testing and Evaluation of Farm Machinery	M1	MANAGEMENT	ပ
Candidate should possess an ITI certificate in related field viz. tractor mechanic, farm mechanic or equivalent certificates. The candidates who have already undergone U2 series course are also eligible.	2	3rd August 2015, 4th January 2016 and diesel pumping sets as per requirement	Repair, maintenance & overhauling of Diesal Pumping Sets.	18		

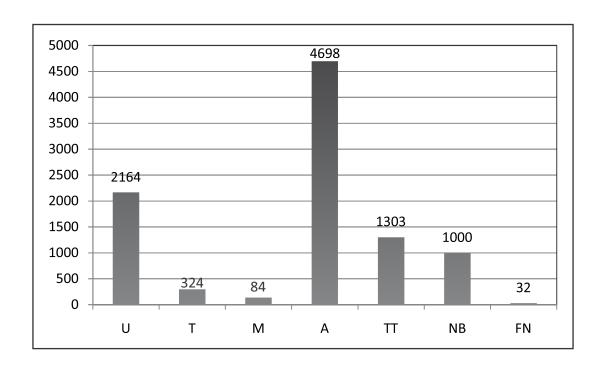
Note: The training programs which are not included or available in above calendar may be conducted on demand from the needy organization.

TABLE 3 : COURSE-WISE TRAINEES TRAINED IN VARIOUS COURSES

DURING LAST FIVE YEARS (2010-11 To 2014-15)

Name of the Course	Trainees Trained						
	2010-11	2011-12	2012-13	2013-14	2014-15		
User Level (U)	408	284	340	572	560		
Technician Level (T)	50	81	77	59	57		
Management Level (M)	02	42	40	-	-		
Academic Level (A)	784	942	1030	1008	934		
Technology Transfer (TT)	266	225	270	319	223		
Need Based (NB)	376	312	137	32	143		
Foreign Nationals (FN)	-	-	32	-	-		
Total	1886	1886	1926	1990	1917		

### **COURSE-WISE TRAINEES TRAINED DURING LAST FIVE YEARS**



**TABLE 4: STATE-WISE TRAINEES TRAINED** 

	Ti	Trainees trained				
State	2010-11	2011-12	2012-13	2013-14	2014-15	since inception & upto March 2014
Arunachal Pradesh	_	_	_	_	02	31
Andhra Pradesh	_	_	_	_	_	186
Assam	7	01	10	_	09	226
A & N Islands	_	_	_	_	_	07
Bihar	280	237	16	09	86	2232
Chandigarh	_	_	12	01	_	41
Chhattisgarh	01	_	_	41	61	126
Delhi	03	10	_	02	_	308
Gujarat	06	27	10	14	16	415
Goa	_	_	_	_	_	21
Haryana	1116	1150	1106	1193	964	28546
Himachal Pradesh	_	01	_	_	01	428
Jammu & Kashmir	06	01	_	_	01	315
Jharkhand	02	01	_	01	_	33
Kerala	_	01	_	06	_	178
Karnatka	_	_	_	_	_	91
Madhya Pradesh	52	40	39	29	70	980
Maharashtra	88	114	229	173	207	2609
Manipur	_	_	_	01	_	70
Mizoram	_	_	_	_	_	13
Meghalaya	_	_	_	_	_	10
Nagaland	_	_	_	_	_	79
Orissa	13	18	_	_	14	447
Punjab	01	03	9	02	03	1886
Pondicherri	_	_	_	_	_	1
Rajasthan	34	24	135	124	25	5912
Tripura	_	03	_	_	01	46
Tamil Nadu	_	03	85	_	_	519
Uttar Pradesh	244	241	218	377	429	6635
West Bengal	07	10	11	_	07	460
Sikkim		_	_	_	_	1
Uttaranchal	26	01	14	17	21	206
Foreigners	_	_	32	_	_	152
Total	1886	1886	1926	1990	1917	53210

**TABLE 5: FOREIGN NATIONALS TRAINED SINCE THE YEAR 1984** 

Name of the Country	Trainees Trained
Trainees trained before 1984	54
Algeria	1
Bolivia	1
Egypt	2
Ghana	1
Kenya	4
Madagascar	2
Malawi	11
Morocco	1
Nigeria	3
Syria	3
Seychelles	1
Tanzania	2
Vietnam	1
Bhutan	2
Botswana	2
Ethiopia	3
Iraq	1
Laos	5
Mauritius	1
Myanmar	3
Nepal	2
Philippines	3
Sudan	2
Thailand	1
Uganda	8
Rwanda	7
Afghanistan	25
Total	152

# **TESTING**

Govt. of India set up the testing wing of this Institute in the year 1972. It acts as an important link between manufacturers and users of agricultural machines as well as other agencies responsible for the introduction and popularization of farm equipments. Two types of tests *i.e.* commercial and confidential are carried out at the Institute. **Commercial test** is aimed to verify the declarations/ claims of the manufacturer/applicant for performance characteristics of machines that are in or ready for commercial production. **Confidential test** is carried out for providing confidential information on the performance of machines, whether ready for commercial production or not or to provide any special data that may be required by the manufacturer/applicant.

The testing wing of this Institute is equipped with specialized and modern scientific equipments/instruments for conducting various tests on a wide range of agricultural machines.

The testing wing has following operational laboratories for testing of Agricultural machines and equipments:-

- Engine Test Laboratory
- Plant Protection Equipment Test Laboratory
- Irrigation Pump Test Laboratory
- Implement Test Laboratory
- Fuel Filter Test Laboratory
- · Design and Drawing Section
- Instrumentation Cell
- Laser Land Leveller Test Laboratory
- Computer Cell and Reprographic Section

This Institute is authorized by the Ministry to test Combine Harvesters. The testing wing is fully commissioned to take up the tests on Self-propelled combines and engines having output capacity from fractional horsepower up-to 700 kW. The institute has also been authorized to issue CMVR certificates to the combine harvester manufacturer under rule 126 of the Central Motor Vehicles Rules 1989 by Ministry of Shipping, Road Transport and Highways.

Apart from the above regular testing activities, the testing wing also takes up the evaluation of samples under Consumer Protection Act through District Consumer Redressal Forum.

The testing authority actively participates in the proceedings of various sectional committees of BIS meant for the formulation of Indian Standards on Agricultural Tractor and other Farm Machinery and committees formulated by Ministry of Agriculture on mechanization aspects.

#### **NEW INITIATIVE**

New initiatives have been taken to test the modern machines like Laser Leveler, Gyro Hay Rake, Hydroponic Machine, Cotton Picker, Sugarcane Harvester and infielders first time in the country. The test procedures for testing of these machines have been prepared by the Institute in consultation with the Manufacturer/Importer. Laser leveler test lab has been established along with other test rigs.

#### **MACHINES TESTED**

During the year 2014-15, total **130** machines have been tested against the annual target of **74** machines. Since inception total **1716** machines have been tested. Category-wise machines tested during the last 5 years and since inception are given in table 6. The list of machines tested during 2014-15 is given in Table-7. The number of machines tested year-wise is represented graphically in Annexure-III & category-wise machine tested since inception is shown graphically in Annexure-IV.

**TABLE 6: CATEGORY-WISE MACHINES TESTED** 

Category of Machine	Number	of machine	Machines tested			
	2010-11	2011-12	2012-13	2013-14	2014-15	since inception and up-to March 2015
Wheeled tractor	_	_	_	_	_	14
IC engine	_	_	02	_	_	207
Tillage Implements	62	20	08	16	46	274
PP Equipment	12	17	11	25	33	212
Harvesting & Threshing	22	28	47	42	34	392
Equipments						
Seed drill & Planters	18	7	14	08	05	342
Irrigation Pumps	_	_	01	_	_	51
Components	5	3	02	01	03	115
User Survey	_	_	_	_	_	100
Residue Management	_	_	_	_	09	09
Total	119	75	85	92	130	1716





TABLE 7: COMMERCIAL TEST REPORTS RELEASED DURING THE YEAR 2014-15

SI.No.	Name of the Machine	Make and Model	Type of Test	Name and address of Manufacturer	Test Report No.	Year of release
1	Tractor Operated Power Sprayer	'GURDEV'	ICT	M/s Kesar Singh Gurdev Singh, Radour Road, Near Punjab National Bank, Ladwa, Distt. Kurukestra (Hary) 089302-64441	PS-119/1588	April.,14
2	Straw Baler	9YK8050	ICT	M/s Georage Maijo Industries Pvt. Ltd., 2-B, Apex Plaza, 5, Nungambakkam High Road, Chennai-600034	Imp-651/1589	April,14
3	Rotavator	Sonalika Make SL-225	ICT	M/s Sonalika Agro Industries Corporation, Inudstrial Estate, Jalandhar Road, Hoshiarpur (Pb)	Imp-652/1590	April.,14
4	Rotavator	Sonalika Make SL-200	ICT	M/s Sonalika Agro Industries Corporation, Inudstrial Estate, Jalandhar Road, Hoshiarpur (Pb)	Imp-653/1591	April,14
5	Rotavator	Sonalika Make SL-150	ICT	M/s Sonalika Agro Industries Corporation, Inudstrial Estate, Jalandhar Road, Hoshiarpur (Pb)	Imp-654/1592	April,14
6	Rotavator	Sonalika Make SL-175"	ICT	M/s Sonalika Agro Industries Corporation, Inudstrial Estate, Jalandhar Road, Hoshiarpur (Pb)	Imp-655/1593	April,14
7	Rotavator	Sonalika Make SL-165	ICT	M/s Sonalika Agro Industries Corporation, Inudstrial Estate, Jalandhar Road, Hoshiarpur (Pb)	Imp-656/1594	April,14
8	Square Baler	SWAN NSE SB 622	ICT	M/s New Swan Enterprises (Agro Division), C-213, Fase & Focal Point, Ludhiana-141003 (Pb)	Imp-657/1595	April,14
9	Rotavator	BHARAT	ICT	M/s Bharat Agro Industries, Uchana Mandi, Distt. Jind (Hry)	Imp-658/1596	April,14
10	Rotavator	NEW HIRA-7Ft	ICT	M/s New Hira Farm Equipments Pvt. Ltd.,Patiala Road, Nabha(PB)	Imp-659/1597	April,14
11	Rice Transplanter	LV63A	ICT	M/s Mahindra & Mahindra Ltd., Akurli Road, Mumbai	Imp-660/1598	April,14
12	Self Propelled Combine Harvester	"G.N-995"	ICT	M/s. Bhagwan Agro Industries, Patiala Road, Nabha-147201, Distt. Patiala (Pb.)	Comb-107/ 1599	May,14
13	Self Propelled Combine Harvester	NEW HIND-999	ICT	M/s.New Hind Agro Pvt. Ltd., Outside Alohran gate, Nabha Distt. Patiala (Pb.)	Comb-108/ 1600	May, 14
14	Self Propelled Combine Harvester	"Satnam-952"	ICT	M/s. Satnam Engg. Works, Opp. Gurdwara Sahib, Nabha Road, Chaswal, Distt.Patiala (Pb.)	Comb-109/ 1601	May, 14
15	Self Propelled Combine Harvester	MATHARU-8500	ICT	M/s.Matharu Engg. Works, VPO. Bhari Panechan, Near Chehal, Distt. Patiala (Pb.)	Comb-110/ 1602	May, 14

16	Self Propelled Combine Harvester	"Kuldeep-932"	ICT	M/s. J.S.Agro. Industries, Nabha Road, Vill. Chaswal- 147202, Distt. Patiala (Pb.)	Comb-111/ 1603	May, 14
17	Self Propelled Combine Harvester	Self Prop. Comb. Harvester Lotey-787	ICT	M/s. Lotey Agri. Works, Malerkotla Road, Duladdi, Nabha-147201Distt. Patiala (Pb.)	Comb-112/ 1604	May, 14
18	Self Propelled Combine Harvester	Ramji-5100	ICT	M/s. Ramji Agro Industries, Nabha Road, Chswal-147202 Distt. Patiala (Pb.)	Comb-113/ 1605	May, 14
19	Self Propelled Combine Harvester	'Standard S-4900 (Track Type)'	ICT	M/s Standard Agriculture Works, Bathinda Road, Standard Chowk, Barnala-148101 (Pb)	Comb-114/ 1606	May, 14
20	Self Propelled Combine Harvester	"GAHIR-930"	ICT	M/s. Gahir Agri. Industries, Patiala Road, Nabha, Distt.Patiala	Comb-115/ 1607	May, 14
21	Self Propelled Combine Harvester	"VARINDRA-510"	ICT	M/s. Vikas Agro. Ind., Patiala Road Nabha-147201, Distt. Patiala (Pb.)		May, 14
22	Self Propelled Combine Harvester	JASHODA (Track Type) 4LBZ-150D ICT		M/s Jashodha Agro Works,Khara Kuva, Railway Station Road, Sojitra-387240Distt,Anand(Gujrat)	Comb-117/ 1609	May, 14
23	Self Propelled Combine Harvester	'Procombine-7600'	ICT	M/s Mahindra & Mahindra Ltd., FES (Swaraj Division), Deptt.R&D Applitrac, Swaraj R&D Complex, A-29E, Industrial Area, Phase-7, S.A.S. Nagar,(Mohali)-160055	Comb-118/ 1610	May, 14
24	Self Propelled Combine Harvester	"NEW GURU NANAK-987"	ICT	M/s. New Guru Nanak-987 Agro. Industries, Panjwar Saran, Amritsar-Bhthiwind Road, Near Chehhal, Distt. Tarntarn(Pb.)	Comb-119/ 1611	May, 14
25	Self Propelled Combine Harvester	"GURM-962"	ICT	M/s. Gurm Agricultural Works, Amloh Road, Chahal, Nabha Distt. Patiala (Pb.)	Comb-120/ 1612	May, 14
26	Mist Blower Power Sprayer	"STIHL SR-5600"	ICT	M/s Andreas Stihl Pvt. Ltd., 53/01, Pune-Nasik Highway, Pune, Kuruli-410501 (MS)	PS-120/1613	May, 14
27	Self Propelled Combine Harvester	Self Propelled Combine Harvester Jai Bharat-730	ICT	M/s. S.S.Agrotech., Vill. Khansian, Devigarh Road, Patiala-147001	Comb-121/ 1614	May, 14
28	Battery Operated Power Sprayer	"SHAKTI" SBS-500"	ICT	M/s Shakti Agro Industries, 2153/1, Street No. 6, Arjun Nagar, Radha Swami Road, Gill Road, Ludhiana-141003 (Pb)	PS-121/1615	May, 14
29	Power Weeder	Best Ashok Implements (BAI-PWP-601)	ICT	M/s Vinod Kumar Virendra Kumar, Ganj Bazar, Mandi Dhanaura- 244231, Distt. J.P. Nagar (UP)	Imp-661/1616	June, 14
30	Battery Operated Knapsack Sprayer	"HYMAX HX-107"	ICT	M/s Mitushi Enterprises, 42, DSIDC, Wazirpur, Industrial Complex, Delhi-110052	PS-122/1617	June, 14

Same   Combine   Sahir   Sah	,	31	Battery Operated Knapsack Sprayer	Kisan-76 (BS-16)	ICT	M/s Modern Sprayer Pvt. Lt., Prop. of Indo-German Agri. Sprayers & Pressing Works, Ludhiana-141008 (Pb)	PS-123/1618	June, 14
Power Sprayer	(	32	Laser Leveller	"Gahir"	ICT	Near Bus Stop, Vill. Kular-Kurd-	Imp-662/1619	June, 14
Road, Nabha, Distt. Patiala (Pb)   1621	(	33	•	"Bounty B-4"	ICT	737-C, pace City-II, Sector-37,	PS-124/1620	June, 14
Across Pakka Čanals, Gaba Chowk, Street No 3, Jatial Road, Panipat-132103 (Pb).  36 Tractor Operated Power Sprayer HTB 30B"  37 Power Weeder BEST ASHOKA IMPLEMENTS' BALPWP-501  38 Power Weeder BEST ASHOKA IMPLEMENTS' BALPWP-801"  39 Combine Harvester Self Comb. Harvester John Deere - W-50  40 Combine Harvester Self Propelled Combine Harvester Agrimax (Bihar)  41 Cotton Picker CP-20 Conf. M/s John Deere India Private Ltd. Unit John Deere Pune Works, Pune-Nagar Road, Sanaswadi, Pune-412208  42 Laser Land Leveller T&D 1500T ICT M/s T&D 1500T ICT M/s Perfect Tech. Enterprises, L-434, Sarita Vihar, New Delhi-76  44 Power Weeder BT3' ICT M/s Perfect Tech. Enterprises, L-434, Sarita Vihar, New Delhi-76  46 Combine Harvester 'New HIRA-2210 ICT M/s New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu, Imp-669/1632 July, 14  46 Combine Harvester 'New HIRA-2210 ICT M/s New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu, Imp-669/1632 July, 14  47 Combine Harvester 'New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu, Imp-669/1632 July, 14  48 Combine Harvester 'New Hira Farm Equipment Comb-126/ July, 14  49 Power Weeder 'New Hira Farm Equipment Comb-126/ July, 14	(	34		"Aman-516"	ICT			June, 14
Power Sprayer	(	35	Power Weeder	"Siraj S-700D"	ICT	Across Pakka Canals, Gaba Chowk, Street No 3, Jatal Road,	Imp-663/1622	June, 14
IMPLEMENTS' "BAI-PWP-501   Ganj Bazar, Mandi Dhanaura-244231, Distt. J.P. Nagar (U.P)	,	36	•		ICT		PS-125/1623	June, 14
IMPLEMENTS' BAI-PWP-801"   Ganj Bazar, Mandi Dhanaura-244231, Distt. J.P. Nagar (U.P)	(	37	Power Weeder	IMPLEMENTS'	ICT	Ganj Bazar, Mandi Dhanaura-	Imp-664/1624	July, 14
Harvester John Deere - W-50  Off. Pune-Nagar Road, Sanaswadi, Pune-412208  Combine Harvester  Self Propelled Combine Harvester		38	Power Weeder	IMPLEMENTS'	ICT	Ganj Bazar, Mandi Dhanaura-	Imp-665/1625	July, 14
Combine Harvester Agrimax (Bihar)  41 Cotton Picker  CP-20  Conf.  M/s John Deere India Private Ltd. Unit John Deere Pune Works, Pune-Nagar Road, Sanaswadi, Pune-412208  42 Laser Land Leveller  'T&D 1500T  ICT  M/s T&D Electronic System, 79-R, Industrial Area-B, Jaimal Road, Ludhiana-141003 (Pb)  43 Power Weeder  'BTT3'  ICT  M/s Perfect Tech. Enterprises, L-434, Sarita Vihar, New Delhi-76  44 Power Weeder  'B-55'  ICT  M/s Perfect Tech . Enterprises, L-434, Sarita Vihar, New Delhi-76  45 Power Weeder  'QUATRO JUNIOR B'  Combine Harvester  'NEW HIRA-2210 ICT  M/s New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu,  NH-57, P.O. Basudevpur, Darbhanga (Bihar)  1627  1627  1627  1627  1627  1627  1628  (Confidential)  Imp-666/1629 July, 14  Imp-666/1630 July, 14  Imp-668/1631 July, 14  Imp-668/1631 July, 14  Imp-669/1632 July, 14	4	39	Combine Harvester	Harvester John	Conf.	Off. Pune-Nagar Road, Sanaswadi,	1626 (Confidential-	July,14
Unit John Deere Pune Works, Pune-Nagar Road, Sanaswadi, Pune-412208  42 Laser Land Leveller 'T&D 1500T ICT M/s T&D Electronic System, 79-R, Imp-666/1629 July, 14 Imp-667/1630 July, 14 Imp-667/1630 July, 14 Imp-667/1630 July, 14 Imp-667/1630 July, 14 Imp-668/1631 July, 14 Imp-669/1632 J	4	40	Combine Harvester	Combine Harvester	ICT	NH-57, P.O. Basudevpur,		July,14
Industrial Area-B, Jaimal Road, Ludhiana-141003 (Pb)  43 Power Weeder 'BTT3' ICT M/s Perfect Tech. Enterprises, L-434, Sarita Vihar, New Delhi-76  44 Power Weeder 'B-55' ICT M/s Perfect Tech . Enterprises, L-434, Sarita Vihar, New Delhi-76  45 Power Weeder 'QUATRO JUNIOR B' ICT M/s Perfect Tech. Enterprises, L-434, Sarita Vihar, New Delhi-76  46 Combine Harvester 'NEW HIRA-2210 ICT M/s New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu, 1633	4	41	Cotton Picker	CP-20	Conf.	Unit John Deere Pune Works, Pune-Nagar Road, Sanaswadi,	1628	July, 14
L-434, Sarita Vihar, New Delhi-76  44 Power Weeder 'B-55' ICT M/s Perfect Tech . Enterprises, L-434, Sarita Vihar, New Delhi-76  45 Power Weeder 'QUATRO JUNIOR B' ICT M/s Perfect Tech. Enterprises, L-434, Sarita Vihar, New Delhi-76  46 Combine Harvester 'NEW HIRA-2210 ICT M/s New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu, 1633		42	Laser Land Leveller	'T&D 1500T	ICT	Industrial Area-B, Jaimal Road,	Imp-666/1629	July, 14
L-434, Sarita Vihar, New Delhi-76  Power Weeder 'QUATRO JUNIOR B' L-434, Sarita Vihar, New Delhi-76  Combine Harvester 'NEW HIRA-2210 ICT M/s New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu, 1633  L-434, Sarita Vihar, New Delhi-76  M/s New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu, 1633	4	43	Power Weeder	'BTT3'	ICT	•	Imp-667/1630	July, 14
JUNIOR B' L-434, Sarita Vihar, New Delhi-76  Combine Harvester  'NEW HIRA-2210 ICT M/s New Hira Farm Equipment Pvt. Ltd., Vill. Lubana Karmu, 1633		44	Power Weeder	'B-55'	ICT		Imp-668/1631	July, 14
Pvt. Ltd., Vill. Lubana Karmu, 1633	4	45	Power Weeder		ICT	•	Imp-669/1632	July, 14
	4	46	Combine Harvester	'NEW HIRA-2210	ICT	Pvt. Ltd., Vill. Lubana Karmu,		July,14

47	Combine Harvester	Self Propelled Comb. Harvester Maxx-4900S	ICT	M/s. Ishwar Farmline Equip. (P) Ltd.,Chaunda Road, Amargarh Distt. Sangrur (Pb.)	Comb-127/ 1634	July,14
48	Combine Harvester	Self Propelled Combine Harvester 'SWARAJ HARVESTER NX' (Variant)	Conf.	M/s Mahindra & Mahindra Ltd., Farm Equipment Sector, Swaraj Division, Phase-IV, Industrial Area, S.A.S.Nagar (Mohali)-160055(Pb)	Comb-128/ 1635 (Confidential- Incomplete)	July,14
49	Power Weeder	'CAM 1WG3.3'	ICT	M/s Competent Agriculture Machinery, Delhi Saharanpur Road, Opp. C.O. Office, Baraut-2550611, Baghput (UP)	Imp-670/1636	July, 14
50	Combine Harvester	Self Propelled Combine Harvester (Track Type) AGRI-70	ICT	M/s. AAR CEE AGRO, Opp New Bus Stand, Pandri, Raipur, Chhatisgarh	Comb-129/ 1637	Aug.,14
51	Engine Operated Power Sprayer	F-708 with Honda GX25 Engine	ICT	M/s Rekha Agriplas Limited, D.No. 29-22-9, Peesapativari Street, Surayaraopet, Vijayawada -520002(AP)	PS-126/1638	Aug.,14
52	Combine Harvester	Self Propelled Combine Harvester (Track Type) 'CROP TIGER-50'	ICT	M/s Class India Pvt. Ltd., Morinda By-Pass, NH-95, Village Marauli Kalan, Morinda-140101, Distt. Ropar (Pb)		Aug.,14
53	Combine Harvester	JOHN DEERE 'R-40'	ICT	M/s John Deere India Pvt. Ltd., Pune Nagar Road, Sanaswadi, Pune-412208	Comb-131/ 1640	Aug.,14
54	B.T. Cotton Seed Cum Fertilizer Drill	"GOYAT"	ICT	M/s Goyat Krishi Yantra Udyog, Loharu Road, Uttam Nagar, Bhiwani-127021 (Haryana)	Imp-671/1641	Aug.,14
55	Laser Land Leveller	'SATWANT'	ICT	M/s Satwant Agro Engineers, Sangrur Road, Bhawanigarh- 148026, Distt. Sangrur (Pb)	Imp-672/1642	Aug.,14
56	Knapsack Power Sprayer	AGRIMATE-K-26 708		M/s Ratnagiri Impex Pvt Ltd., Annapurna House, No1/1G, 7th Cross Road, New Guddahalli, Mysore Road, Bangalore-560026	PS-127/1643	Sept.,14
57	Laser Land Leveller	"PANESAR"		M/s Panesar Agriculture Industries, Bathinda Road, Opp. Power House, Barnala (Pb)	Imp-673/1644	Sept.,14
58	Tractor Operated Power Sprayer	"GOYAT-500"	ICT	M/s Goyat Krishi Yantra Udyog, Loharu Road, Uttam Nagar, Bhiwani-127021 (Haryana)	PS-128/1645	Sept.,14
59	Laser Land Leveller		ICT	M/s Beri Udyog (P) Ltd., 100-101, Sector-3, HSIIDC, Karnala (Haryana)	IMP-674/1646	Sept.,14

60	Hydraulic Power Sprayer	"BOUNTY B-2"	ICT	M/s AV Agritech agro Machinery Pvt. Ltd., 737-C, Pace City-II, Sector-37, Gurgaon-122001 (Hry.)	PS-129/1647	Sept.,14
61	Laser Land Leveller	"RATTAN-88 7ft.	ICT	M/s Rattan Agro Tech., Nabha-147201 (Pb)	Imp-675/1648	Sept.,14
62	Combine Harvester	Dasmesh-3100	ICT	M/s Dashmesh Mechanical Works Pvt. Ltd., Raikot Road, Malerkotla, Distt. Sangrur (Pb)		Sept.,14
63	Engine Operated Power Sprayer	SC0878 (G 26LS)	ICT	M/s Ikon Associate, D.No.7-11- 4-646, D-Wing, 1st Floor, Vijaya Hills Appartments, A.C. Guards, Lakdikapool, Hyderabad-500004	PS-130/1650	Sept.,14
64	Engine Operated Power Sprayer	'KK-708'	ICT	M/s Kissan Kraft Tools Pvt. Ltd., 35/5C, Dasarahalli Main Road, H.A.F Post, Hebbal, Bangalore-560024	PS-131/1651/ 2014	Oct., 14
65	Engine Operated Power Sprayer	'KK-PSK-30 (GE-200+30A3)'	ICT	M/s Kissan Kraft Tools Pvt. Ltd., 35/5C, Dasarahalli Main Road, H.A.F Post, Hebbal, Bangalore-560024	PS-132/1652	Oct., 14
66	Engine Operated Power Sprayer	'KK-PSK-22 (GE-160+22A3)'	ICT	M/s Kissan Kraft Tools Pvt. Ltd., 35/5C, Dasarahalli Main Road, H.A.F Post, Hebbal, Bangalore-560024	PS-133/1653/ 2014	Oct, 14
67	Rotavator	Hindustan-472"	ICT	M/s Hindustan Agri. Works, Sampla Road, Kharkhoda-131402, Distt. Sonipat (Haryana)	Imp-676/1 654/2014	Oct., 14
68	Rotavator	"GOYAT-7ft.	ICT	M/s Goyat Krishi Yantra Udyog, Loharu Road, Uttam Nagar, Bhiwani-127021 (Haryana)	Imp-677/1655/ 2014	Oct., 14
69	Rotavator	"Sukhpal 7Ft."	ICT	M/s Sukhpal Agriculture Works, Sangrur Road, Near Power House, Patran-147105, Distt. Patiala (Pb)	Imp-678/1656/ 2014	Oct., 14
70	Rotavator	" MANOOR"	ICT	M/s Manoor Agriculture & Engg. Works, Near Spring Dales Public School, Dhuri Road, Sangrur-148001 (Pb)	Imp-679/1657/ 2014	Oct., 14
71	Rotavator	"MAKHAN GHARACHON"	ICT	M/s Gurunanak Agro Works, VPO Gharachon, Distt. Sangrur-148026 (Pb)	Imp-680/1658/ 2014	Oct., 14
72	Engine Operated Power Knapsack Power Sprayer	"KISAN GOLD- 643"	ICT	M/s Khalsa Seed Store, Old Anaj Mandi, Ropad-140001 (Pb)	PS-134/1659/ 2014	Oct.,14
73	Ayurvet Progreen Hydroponics Machine	APH 40	ICT	M/s Ayurvet Limited, 6th Floor, Sagar Plaza, Distt. Centre, Laxmi Nagar, Vikas Marg, Delhi-110092	Imp-681/1660/ 2014	Oct., 14
74	Rotavator	"KISAN KING 7ft"	ICT	M/s Kisan King Agro, Near Peerbaba, Gohana Road, Meham- 124112, Distt. Rohtak (Haryana)	Imp-682/1661/ 2014	Oct., 14

75	Rotavator	"GMW-748"	ICT	M/s Ghattoura Mech. Works, H.No. 143, W.No.4, Jandali Road, Ahmedgarh, Distt.Sangrur-148021, Teh. Malerkotla (PB)	Imp-683/1662/ 2014	Oct., 14
76	Rotavator	"MRT-642	ICT	M/s Micron Precision Screws Ltd., 8th Mile Stone, Delhi Road, Rohtak-124001 (Haryana)	Imp-684/1663/ 2014	Oct., 14
77	Rotavator	"MRT-536	ICT	M/s Micron Precision Screws Ltd., 8th Mile Stone, Delhi Road, Rohtak-124001 (Haryana)	Imp-685/1664/ 2014	Oct., 14
78	Rotavator	"MRT-748	ICT	M/s Micron Precision Screws Ltd., 8th Mile Stone, Delhi Road, Rohtak-124001 (Haryana)	Imp-686/1665/ 2014	Oct., 14
79	Tractor Operater Power Sprayer	"SL"	ICT	M/s SL Agriculture Works, Pipli Chowk, Kherkhan, Distt. Sirsa-125055 (Haryana)	PS-135/1666/ 2014	Oct. 14
80	Knapsack Power Sprayer	"Farmak FM-708"	ICT	M/s V.R Agro Equipments, S.No.7-299/A, Koilakuntla Road, Allagadda-518543 Kurnool (AP)	PS-136/1667/ 2014	Nov., 14
81	Rice Transplanter	"Kubota-6 row WB RTP"	ICT	M/s Kubota Corporation, Chennai Liaison Office, No. 15, Medavakkam Road, Solinganallur, Chennai-6000119, Tamilnadu	Imp-687/1668/ 2014	Nov14
82	Battery Operated Power Sprayer	"KRISHNA"	ICT	M/s Maya Fertilizer & Pesticide, 8th km Bhopa Road, Muzaffarnagar (UP)	PS-137/1669/ 2014	Nov.,14
83	Power Weeder	'POWER WEEDER PW-50M'	ICT	M/s American Spring & Pressing Works, Pvt. Ltd., Aspee House, P.O. Box No.	Imp-688/1670/ 2014	Nov. 14
84	Tractor Mounted Gun Sprayer	"CH-400-M"	ICT	M/s Jagatsukh Industries (Regd.), 1339/5, Passi Chowk Pakhowal Road, Ludhiana-141103 (Pb)	PS-138/1671/ 2014	Nov.,14
85	Tractor Mounted Gun Sprayer	"CH-600-A"	ICT	M/s Jagatsukh Industries (Regd.), 1339/5, Passi Chowk Pakhowal Road, Ludhiana-141103 (Pb)		Nov.,14
86	Tractor Operated Power Sprayer	KISAN KING-500	ICT	M/s Kisan King Agro, Near Peerbaba, Gohana Road, Meham-124112 Rohtak (Hry.)	PS-140/1673/ 2014	Nov.,14
87	Tractor Operated Power Sprayer	MAJOR TRACTOR	ICT	M/s Jai Maa Industries (Regd.), 1st Mile Stone, Near Ganesh Colony, Hisar Road, Bhuna-125111, Fatehabad (Hry.)	PS-141/1674/ 2014	Nov.,14
88	Self Propelled Rice Transplanter ( Ride On )	'ESCORTS DAEDONG SADDLE (DUO 60S)'	ICT	M/s Escorts Ltd., Escorts R&D Centre, 15/5, Mathura Road, Faridabad (Haryana)	Imp-689/1675/ 2014	Nov. 14
89	Rotavator	"HARMEET-7FT"	ICT	M/s Harmeet Agriculture Works, Cantt Road, Nabha-147201 (Pb)	Imp-690/1676/ 2014	Nov.14

90	Engine Operated Power Sprayer	C-869	ICT	M/s Mahalakshmi Agro Agencies, D.No. 10-19-108, Beside Old Post Office, Brahmit Street, Vijaywada-520001 (AP)	PS-142/1677/ 2014	Nov.,14
91	Combine Harvester	Self Propelled Combine Harvester 'KSA-8500'	ICT	M/s K.S. Agrotech Pvt. Ltd., Raikot Road, Malerkotla-148023 (Pb)	Comb-133/ 1678/2014	Nov., 14
92	Knapsack Power Sprayer With Engnine	XPS-800'	ICT	M/s VSM International Pvt. Ltd., 1/17-A, Asaf Ali Road, New Delhi-11000201	PS-143/1679/ 2014	Nov.,14
93	Rotavator	'GAHIR G-700'	ICT	M/s Gahir Agro Industries Ltd., Near Bus Stop, Vill. Kular-Kurd- 148001, Sunam, Sangrur (Pb)	Imp-691/1680/ 2014	Nov., 14
94	Rotavator	Laxmi-7 ft	ICT	M/s Laxmi Hi-Tech., Akta Colony, Chndigarh Road, Rajpura-140401, Distt. Patiala (Pb)	•	Nov., 14
95	Rotavator	Laxmi (5ft)	ICT	M/s Laxmi Hi-Tech., Akta Colony, Chndigarh Road,Rajpura-140401, Distt. Patiala (Pb)	•	Nov., 14
96	Rotavator	Laxmi (6ft)	ICT	M/s Laxmi Hi-Tech., Akta Colony, Chndigarh Road,Rajpura-140401, Distt. Patiala (Pb)	•	Nov., 14
97	Battery Operated Sprayer	"KISAN GOLD"	ICT	M/s Khalsa Seed Store, Old Anaj Mandi, Ropad-140001 (Pb)	PS-144/1684/ 2014	Nov, 14
98	Rotavator	"LUCKY VISHVKARMA- 856	ICT	M/s Lucky Vishvkarma Agril. Works, Punjab Enclave, Bhoglan Road, Rajpura, Distt. Patiala (Pb)	Imp-695/1685/ 2014	Nov., 14
99	Engine Operated Knapsack Sprayer	ASPEE ASH-799	ICT	M/s Navyug Krishi Sadhan Pvt. Ltd., Aspee House, Post Box No. 17673, B.J.Patel Road,Malad(W), Mumbai-400064(MS)	PS-145/1686/ 2014	Dec., 14
100	Engine Operated Power Knapsack Sprayer	"TAIWAN IN964"	ICT	M/s Ikon Associates, Flat No.310, 1st Floor, D-Wing, Vijaya Hills Appartments, Hyderabad-500004	2014	Dec., 14
101	Rotavator	"ANAND"	ICT	M/s Gurunanak Agri. Corporation, Kotakpura Road, Baga Purana-142038, Distt. Moga (Pb)	Imp-696/1688/ 2014	Dec., 14
102	Straw Reaper Combine	"GAHEER"	ICT	M/s Gaheer Agriculture Works, Opp. Reliance Pump, Bhikh Road, Budhlada-151502,Distt.Mansa(Pb)		Dec., 14
103	Rotavator	"SWAMI-365	ICT	M/s Swami Agro Industries, Patiala Road, Nabha-147201, Distt. Patiala (Pb)	Imp-698/1690/ 2014	Dec., 14
104	Rotavator	" HIND-299"	ICT	M/s Hind Agro Industries, Outside Alohran Gate, Cantt.Road, Nabha-147201, Distt. Patiala (Pb)		Dec., 14
105	Straw Reaper Combine	NVD-856	ICT	M/s New Vishwakarma Agro Tech., Janal Road, Dirba, Distt. Sangrur (Pb)-148035	Imp-700/1692/ 2014	Dec.,14

106	Straw Reaper Combine	NVD-860	ICT	M/s New Vishwakarma Agro Tech., Janal Road, Dirba, Distt. Sangrur (Pb)-148035	•	Dec.,14
107	Combine Harvester	Tractor Powered Combine Harvester Cruzer 7504 DLX	ICT	M/s. Tractor and Farm Equipment Ltd., Hazur Gardens, Sembiam, Chennai-600011	Comb-134/ 1694/2014	Dec.,14
108	Pneumatic Planter	"NEW HOLLAND PL-604"	ICT	M/s New Holland Fiat India Pvt. Ltd., Plot No. 3, Udyog Kendra, Greater Noida-2011306, Distt. Gautambudh Nagar (UP)	Imp-702/1695/ 2014	Dec., 14
109	Combine Harvester	Tractor Mounted Combine "JK-369"		M/s. J.K.Agro Solutions, S. No. 1046, Rajiv Rahadari, Vill. Rangadam Pally, Mon. Siddipet, Distt. Medak	Comb-135/ 1696/2014	Dec.,14
110	Laser Land Leveller	ASL LASER STAR-800DS	ICT	M/s AJ Precision & Automation Private Limited, C-40, Sector-81, Noida-201305 (U.P)	Imp-703/1697/ 2014	Dec.,14
111	Tractor Operated Power Sprayer	Spraymax-HTP 22B	ICT	M/s Usha International Ltd., Plot No. 15, Institutional Area, Sector 32, Gurganon-122001(Haryana)	PS-147/1698/ 2015	Jan., 15
112	Engine Operated Power Sprayer	Spraymax Knapsack Sprayer 2708B	ICT	M/s Usha International Ltd., Plot No. 15, Institutional Area, Sector 32, Gurganon-122001(Haryana)	PS-148/1699/ 2015	Jan., 15
113	Rotavator	NEW JASWANT- 766"	ICT	M/s Kattri Engg. Works, Sangrur Road, Sunam-148028, Distt. Sangrur (Pb)	Imp-704/1700/ 2015	Jan. 15
114	Combine Harvester	"K.S9300 (VARIENT TEST) ONLY MAIZE CROP	ICT	M/s K.S. Agricultural Industries Pvt. Ltd., Raikot Road, Malerkotla, Distt. Sangrur-148023 (Pb)	Comb-136/ 1701/2015	Jan., 15
115	Tractor Operated Power Sprayer	"SARTAJ"	ICT	M/s Bharpur Singh Ranjit Singh, Near Ramkundi, S.K. Road, Ladwa-136132,Kurrukeshtra	PS-149/1702/ 2015	Jan., 15
116	Laser Land Leveller	ASL LASER STAR -800DSD	ICT	M/s AJ Precision & Automation Private Limited, C-40, Sector-81, Greater Noida-201305 (U.P)	Imp-705/1703/ 2015	Jan. 15
117	Engine Operated Knapsack Power Sprayer	"FULLTOP F-708"	ICT	M/s BVS Agro Agencies, 24/1/1439, 3rd Street, J.V.R Colony, Nellore-524001 (AP)	PS-150/1704/ 2015	Jan., 15
118	Straw Reaper Combine	"GOBIND"	ICT	M/s Gobind India, Vill. Manjitha, Barabanki (UP)	Imp-706/1705/ 2015	Jan. 15
119	Laser Leveller	SPL TECH (TRIMBLE) LEVEL MASTER	ICT	M/s SPL Technologies Pvt.Ltd., Shiv Vihar (W), Vikas Nagar, New Delhi	Imp-707/1706/ 2015	Jan., 15
120	Tractor operated Power	FARMAK FM-60		M/.s V.R. Agro Equipments, D.No. 7-299/A, Koilakuntla Road, Allagadda-518543, Distt.Kurnool	PS-151/1707/ 2015	Jan., 15

121	Gyro Rake	"NEW HOLLAND GYRO RAKE "RKG129"	ICT	M/s New Holland Fiat India Pvt. Ltd., Plot No. 3, Udyog Kendra, Greater Noida-2011306, Distt. Gautambudh Nagar (UP)	Imp-708/1708/ 2015	Feb., 15
122	Straw Reaper Combine	"LUCKY VISHVKARMA- 856"	ICT	M/s Lucky Vishavkarma Agriculture Works, Punjab Enclave, Bhoglan Road, Rajpura-140401,Patiala (Pb)	Imp-709/1709/ 2015	Feb., 15
123	Power Weeder	XTRA POWER 'XPW-750T'	ICT	M/s VSM International Pvt. Ltd., 1/17-A, Asaf Ali Road, New Delhi	Imp-710/1710/ 2015	Feb., 15
124	Combine Harvester	Self Propelled Combine Harvester Balkar-654	ICT	M/s. Guru Nanak Agri. Engg. Works, Handiaya Chowk, Barnala (Pb)	Comb-137/ 1711/2015	Feb., 15
125	Combine Harvester	"FARMLINE MAXX-4900"	ICT	M/s Ishwar Farmline Equipments Pvt. Ltd. Chaunda road, Amargarh 148022, Distt. Sangrur (Pb)		Feb., 15
126	Sugarcane Harvester	Autoft 4000	ICT	M/s New Holland Fiat India Pvt. Ltd., Plot No A 33 Chakan Industrial Area Phase 4 Village Nighoje Taluka Khed Pune (Maharashtra)	Comb-139/ 1713/2015	Feb., 15
127	Infielder	"NEW HOLLAND- INFT-450"	ICT	M/s New Holland Fiat India Pvt. Ltd.,Plot No.3 , Udyog Kendra, Greater Noida-201306 (UP)	Imp-711/1714/ 2015	Feb., 15
128	Combine Harvester	"W50V2"	ICT	M/s John Deere India Pvt. Ltd., Pune	Comb-140/ 1715/2015	Mar.,15
129	Infielder	"BHARAT TMS- 4000"	ICT	M/s Trans-Mech Systems, C-13/14, MIDC, Bhigwan Road, Baramati-413133, Pune (MS)	Imp-712/1716/ 2015	Mar.,15
130	Straw Reaper Combine	"SHAKTI MAHAAN"	ICT	M/s Shakti Mahaan Agro Industries, By Pass Road,Sirhind- 14046, Fatehagarh sahib (Pb)	Imp-713/1717/ 2015	Mar.,15

#### Testing of Combine Harvesters under Central Motor Vehicle Rules (CMVR)

The institute is authorized to test combine harvesters against the statutory requirements under Central Motor Vehicle Rules (CMVR). During the year 2014-15 the Institute have issued 40 CMVR Certificates for combine harvesters.

#### **How to Avail Testing Facilities**

The following process is followed by the institute for testing of machines:

- The applicant is required to submit 3 copies of application form in the prescribed format along with full testing fee and service tax for testing of each machine/test sample. The form can be obtained from the institute on payment of Rs. 50/-. It can also be downloaded from the website of the institute and may be submitted along with a Demand Draft of Rs. 50/-.
- The test fee (as revised from time to time) is required to be deposited by way of demand draft drawn in favour of the Director, NRFMT&TI & payable at State Bank of India, Hissar (Haryana). The current

testing charge/ fee fixed with reference to the Ministry of Agriculture, Department of Agriculture & Cooperation, New Delhi OM No.10-6/98 My (I & P) dated 16.5.2000 in respect of different agricultural machinery for the financial year 2014-15 are given in table No 8.

- The receipt of application is acknowledged.
- The received application with full fee & technical document is placed in the waiting list of the appropriate category of machine.
- Upon their turn, the applicant is informed to submit the machine for test.
- The machine is tested (lab. and field test) with reference to the relevant standards published by Bureau
  of Indian Standards.
- Final inspection of the machine is carried out together with the wear analysis and chemical composition of critical components.
- After completion of all the tests, the collected data are analyzed and draft report in the standardized format is prepared.
- After scrutiny of the draft report at different levels, the draft report is released for comments of applicant.
- The comments from the applicant are to be received within 15 days of the release of DTR. If not received, the final decision is taken by the testing authority.
- The comments of applicant, if any, are examined. If these are of editorial nature, then these are
  corrected in the report. Technical comments, if any, are incorporated in the final report under separate
  chapter as 'Applicant's Comments'.
- Final report is released under the signature of Testing Engineer, Head of the Testing Laboratory and Head of the Institute.
- Three copies of final report are released to applicant free of cost. Additional copies if any required are supplied @ Rs. 200 per copy.
- After the release of final test report, the machine (test sample) is released to the applicant.

### **REVISED TESTING CHARGES w.e.f. 01.06.2015 to 31.03.2016**

S.N.	Items	Revised PR+15%	Service Tax @14.00% w.e.f. June, 2015	Total
1	Components	8,031	1,124	9,155
2	Hand tools	8,031	1,124	9,155
3	Power operated thresher, decor ticator, Sheller, winnowers etc.	32101	4,494	36,595
4	Animal drawn equipments	17124	2,397	19,521
5	Tractor drawn/operated implements/ equipments	54577	7,641	62,218
6	Manually operated equipment	15516	2,172	17,688
7	Power tiller driven/Self propelled reaper etc.	32101	4,494	36,595
8	Tractor drawn/operated seed cum fer tilizer drill/planter, straw reaper, mini rice mill, power seed cleaner/grader	57248	8,015	65,263
9	Animal drawn multi tool bar (Minimum for attachments)	45474	6,366	51,840
10	Self propelled paddy transplanter	78115	10,936	89,051
11	Power operated multi-crops thresher (Two or more crops)	58857	8,240	67,097
12	a) IC Engines with kerosene/LPG	14775	2,069	16,844
	b) Pump set (Engine + Pump) with kerosene/LPG	28144	3,940	32,084
	c) Pump set without engine	13366	1,871	15,237
	d) Knapsack sprayer IS:3906 (Private sample)	18354	2,570	20,924
	e) Power sprayer IS:2548 (Private Sample)	48193	6,747	54,940
13	Combine harvester			
	a) Self propelled (with engine test)	4,05,000/-	56,700	4,61,700
	b) Without engine test	2,86,200/-	40,068	3,26,268
	b) Tractor driven	2,86,200/-	40,068	3,26,268
	c) Combine harvester engine	1,18,800/-	16,632	1,35,432
	c) CMVR	86,400/-		86,400

- All the ICT test charges in respect of items at No. 1 to 12 will be increased by 15% at the end of each financial year.
- The Testing Charges for Combine Harvester are valid till 31st March 2016.

### **FARM**

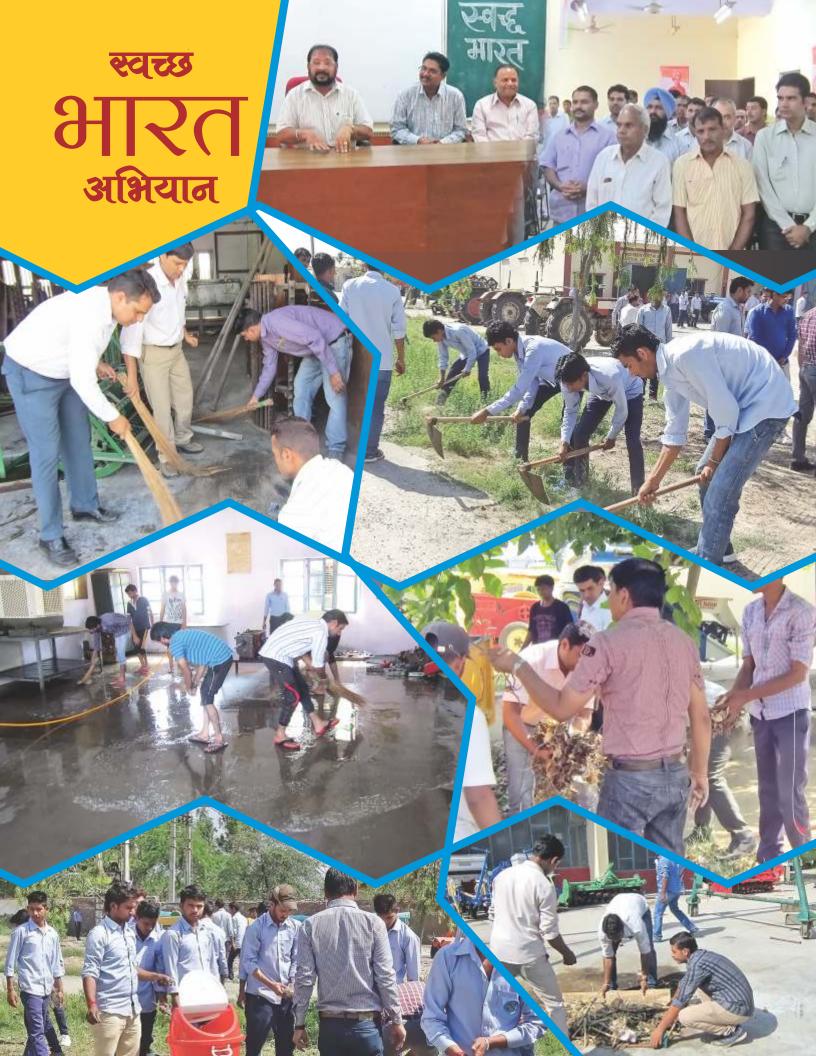
The Institute possess 152.48 ha land. The distribution of land is given below. Out of total farm land, 15 ha of land is under irrigation. The farm is utilized for extensive field training and testing of agricultural machinery. Regular crops are grown to support training and testing activities of the institute. During the last few years the irrigated fields are suffering from water logging due to increased water table resulting in salinity of the soil, which has reduced the cultivable area to 42.92 ha. The detail of land distribution is as under:

Sr. No.	Distribution of Area	Hectare
1	Total area of the Institute	152.48 ha
2	Area under building and other amenities	29.63 ha
3	Area under road & channels	15.60 ha
4	Area transferred to P.W.D.	6.08 ha
5	Undeveloped & saline area	58.25 ha
6	Net available cultivable area	42.92 ha

### **Cropping Calendar of 2014-15**

Season	Crop	Area (Ha)	Production (Quintals)
Kharif	Bajra	16.00	
Rabi	Mustard	29.20	39.00 Qtls.
	Wheat	16.00	422.54 Qtls.





### **OTHER ACTIVITIES**

### KRISHI DARSHAN EXPO - 2014

Krishi Darshan Expo 2014, an Exhibition on Agriculture machinery, equipments and Agro-processing Industries, Agri Inputs etc. has been organized by Agri India Exhibitions, Karnal. The event was organized in the campus of this institute from 11 - 13 October 2014. The inaugural ceremony was presided over by Sh. A.N. Meshram, Deputy Commissioner (M&T) and Sh. Ashwani Kumar Goyal, Dean, COAE, CCS HAU, Hisar was the Chief Guest. Dr. Mukesh Garg, Chief Engineer CCS HAU, Hisar, Er. Rajbir Singh, Chahal, Joint Director (Engg.) Haryana Government, Sh. P. K. Chopra, Assistant Commissioner (M&T) also witnessed the occasion. Sh. A.N. Meshram, in his address to the farms talked about the Central Scheme available for the farmers to adopt mechanized farm practices whereas Er. Rajbir Singh Chahal, explained the subsidy scheme of the Haryana Government for improved agriculture machinery and also encouraged the farmers to increase the farm production by mechanized farming. Er. Himat Singh, Director NRFMT&TI, Hisar welcomed all the dignitaries and farmers on this occasion. Sh. Tavinder Singh, organizer of this event extended the vote of thanks. The exhibition has offered perfect platform for the Agriculture machinery & equipment and agri- input sector to come together and participate for mutual business benefits. It also facilitated a business climate for the manufacturers to transact with the companies from all over the country at one spot at one time. It has also provided an opportunity to the farmers and the trainees to see the latest technological developments in the agricultural production system. A large number of visitors from across the country such as farmers, officials of the Krishi Vigyan Kendra, Agricultural Universities, officials of State Department of Agriculture and other FMTTIs, dealers & distributors, importers and trade visitors visited this event. Above 250 manufacturers have displayed their equipments and machines in the exhibition and during the three days of exhibition more than 60000 farmers visited the exhibition.

### INDIA INTERNATIONAL TRADE FAIR, 2014

During the India International Trade Fair (IITF), 2014 organized at Pragati Maidan, New Delhi from 14.11.2014 to 27.11.2014, the institute has arranged the agriculture machinery exhibition in the Agriculture Pavilion. The institute and 13 other manufacturers participated and displayed their latest technologies & products. The list of manufacturers who participated in the fair is given in table.

### **LIST OF THE FIRMS PARTICIPATED IN 11TF-2014**

S.No.	Name of the Firm	Name of Machines Displayed
1	M/s. Agritech Flontech INC,BE-184-SFS, Janakpuri, New Delhi-110058	Garden tools
2	M/s. P.K. Farm Equipments (India Pvt. Ltd.), Raj House D-10/2, Okhla Industrial Area, Phase-1, New Delhi-20	Garden tools
3	M/s V.K. Packwell Pvt. Ltd., 44B, Dada Nagar Estate-Kanpur(UP)	Irrigation systems
4	Falcon Industries, 25241, lane-5, Janta Nagar, Gill Road, Ludhiana-141003	Garden tools
5	M/s Shona Agri Solution, 744/15, Krishna Colony, Jind (Haryana)-126102	Lancer Gyrovator, Mini rotary tiller, Mult-purpose power weeder, Paddy Puddler, Spray pump, Reaper.
6	Elcome Technologies Pvt.,"Elcome House", A-06, Infocity, Sector-34,Gurgaon-122 002 (Haryana)	Laser leveller
7	M/s. International Tractor Ltd., H.O. Pankaj Plaza-I, Plot No. 2, Karkardooma, Community Centre, Commercial Complex, Delhi-110092	Sonalika tractor
8	M/s. Virdi Tubewell Boring Co., Opp. Power House, Sangarur Road, Patran -147 105 Dist. Patiala (Punjab)	Straw reaper; rotavator, Roto Seed Drill, sprayer, bund planter, sub-soiler
9	Khandelwal Krishi Udyog,Behind Truck Union, Tosham Road, Hansi, Dist. Hisar (Haryana)	Cotton Seed Drill, Tractor Mounted sprayer, cultivator
10	M/s Blue stallion Equipment Ltd. Carporate Office, 3828, lane-7 opp., New Janta Nagar, Gill Road, Ludhiana (Pb)	Garden tools
11	M/s. BCS India Pvt. 15Ltd.,Vill. Mangarh, PO Ka16hara, Teh. & Distt. Ludhiana-141 112(Pb.)	Self propelled reaper binder, fodder harvester conversion kit, power weeder and their attachment
12	Ayurvet Ges PVT, LTD, Regd. & Admn. Office : 6th Floor, Sagar Plaza, Distt. Centre , Laxmi Nagar, Vikas Marg, Delhi-110092	Hydroponics Machine
13	SPL Technologies Pvt.Ltd. 77-80 Shiv Vihar(West),Vikas Nagar Delhi-59	Laser Leveller

### **PUBLICATION OF TRAINING MATERIAL**

- Publication of brochures, manuals and extension material in Hindi & English
- Prepared leaflets (Training Material) on safety features and safe operation of threshers, chaff cutters and sugarcane crushers
- Prepared the 14 No. leaflets in Hindi & English on improved farm machinery suitable for this region

### हिन्दी गतिविधियाँ

हिन्दी कार्यशाला: दिनांक 16.9.2015 को हिन्दी कार्यशाला का आयोजन किया गया इस कार्यक्रम में श्रीमती सुनील कुण्डु, हिन्दी विभागाध्यक्ष, राजकीय स्नातकोत्तर महाविद्यालय, हिसार ने अपना व्याख्यान प्रस्तुत करते हुए कहा कि हिन्दी एक ऐसी भाषा है जो भारत की एकता में अहम् भूमिका अदा करती है। इस अवसर पर श्री सन्दीप चुघ, हिन्दी अनुवादक ने भी कर्मचारियों/अधिकारियों को राजभाषा हिन्दी के प्रचार-प्रसार की व्यवहारिकता के बारे में भारत सरकार के समय-समय पर जारी की गई नीति-निर्देश की पालना बारे विस्तार से वर्णन किया। संस्थान के निदेशक महोदय श्री हिम्मत सिंह ने अपने संबोधन में कहा कि राजभाषा हिन्दी का अधिक से अधिक प्रयोग करना चाहिए।

हिन्दी पखवाड़ा: संस्थान में 14 से 27 सितंबर, 2014 तक हिन्दी पखवाड़ा का आयोजन किया गया। इस दौरान विभिन्न कड़ियों में हिन्दी के कार्यक्रम आयोजित किये गये। मुख्य समारोह का आयोजन 26 सितंबर, 2014 को किया गया। इस अवसर पर हिन्दी आशु-भाषण एवं काव्य पाठ का आयोजन किया गया। समारोह में विशेष रूप से नेहरू युवा केंद्र की टीम ने देश-भिक्त पर अपनी झांकी प्रस्तुत की। इन प्रतियोगिताओं में नगर के विभिन्न केन्द्रीय कार्यालय/बैंक/निगम के कर्मचारियों/अधिकारियों ने उत्साहपूर्वक भाग लिया। बच्चों एवं महिलाओं के लिए विशेष रूप से आयोजित हिन्दी की विभिन्न प्रतियोगिताओं में उन्होंने बढ़-चढ़ कर भाग लिया।

मुख्य समारोह की शुरूआत माँ सरस्वती देवी के दीप प्रज्जवलन के साथ की गई। मुख्य अतिथि डॉ. बी. एन. त्रिपाठी, निदेशक, राष्ट्रीय अश्व अनुसंधान केन्द्र, हिसार ने संस्थान द्वारा हिन्दी के क्षेत्र में किये गये कार्यों की सराहना की तथा कहा कि जब तक राजभाषा हिन्दी कार्यालयों में अपना स्थान पूर्ण रूप से ग्रहण नहीं करेगी तब तक किसी भी क्षेत्र पूर्ण विकास नहीं हो सकता। विशिष्ट अतिथि श्री राजीव वासुदेव, प्रधानाचार्य, राजकीय पॉलटैक्निक, हिसार ने तकनीकी अध्ययन में हिन्दी अपनाने पर बल दिया। श्री एम. पी. कुलश्रेष्ठ, निदेशक, राष्ट्रीय सूचना केन्द्र, हिसार ने अपनी हिन्दी कविता द्वारा श्रोताओं को गद्-गद् किया।

संस्थान के निदेशक श्री हिम्मत सिंह ने अपने संबोधन में कहा कि हिन्दी ही एक ऐसी भाषा है जिसे सभी लोग सरलता से अपना सकते हैं। उन्होंने कहा कि संस्थान में अधिकांश कार्य हिन्दी में ही किया जा रहा है। हिन्दी-पखवाड़ा में विजेता रहे प्रतिभागियों को बधाई दी। विजेता प्रतिभागियों को मुख्य-अतिथि एवं निदेशक महोदय द्वारा पुरस्कार वितरित किये गये।

### हिन्दी पखवाड़ा में विजेता प्रतिभागी

### संस्थान की प्रतियोगिताएं

### 1. हिन्दी प्रतियोगिता

नाम सर्वश्री	पद	स्थान
नरेश दत्त शर्मा	व. तकनीशियन	प्रथम
प्रीतम सिंह	व. तकनीशियन	द्वितीय
गुरजीत सिंह	व. तकनीशियन	तृतीय
परमतदीन खुशवाहा	एल.आई.ए.	सांत्वना
सुनील पाटिल	तकनीकी सहायक	सांत्वना

### 2. हिन्दी शब्दानुवाद प्रतियोगिता

नाम सर्वश्री	पद	स्थान
बी. एन. दीक्षित	व. तक. सहायक	प्रथम
मान सिंह	व. तक. सहायक	द्वितीय
जे. पी. चौरे	फार्म अधीक्षक	तृतीय
तेजबीर सिंह	कृषि सहायक	-सम-

### 3. हिन्दी शब्द शुद्धिकरण प्रतियोगिता

नाम सर्वश्री	पद	स्थान
बी. एन. दीक्षित	व. तक. सहायक	प्रथम
प्रीतम सिंह	व. तकनीशियन	द्वितीय
जे. पी. चौरे	फार्म अधीक्षक	-सम-
तेजबीर सिंह	कृषि सहायक	तृतीय

### 4. हिन्दी निबंध लेखन प्रतियोगिता

नाम सर्वश्री	पद	स्थान
जे. पी. चौरे	फार्म अधीक्षक	प्रथम
बी. एन. दीक्षित	व. तक. सहायक	द्वितीय
प्रीतम सिंह	वः तकनीशियन	तृतीय
परमतदीन खुशवाहा	एल.आई.ए.	सांत्वना

### 5. हिन्दी निबंध लेखन प्रतियोगिता - महिलाओं के लिए

नाम	पति/पिता का नाम सर्वश्री	स्थान
श्रीमती दीपमाला	जे. पी. चौरे	प्रथम
श्रीमती कविता	सुनील कुमार पाटिल	द्वितीय
श्रीमती जसमीत कौर	गुरजीत सिंह	तृतीय
श्रीमती इन्दु सिंह	सुबेदार सिंह	सांत्वना
कु. बबीता	नवल किशोर	सांत्वना





### प्रशिक्षुओं एवं प्रशिक्षणार्थियों के लिए प्रतियोगिताएं

### हिन्दी निबंध लेखन प्रतियोगिता

नाम सर्वश्री	पिता का नाम सर्वश्री	स्थान
जितेन्द्र कुमार	श्रवण कुमार	प्रथम
देवव्रत कुमार	अतिबल सिंह	द्वितीय
अजय सिंह यादव	मोतीचंद सिंह यादव	तृतीय
नवीन कुमार	रामपाल	सांत्वना
अमित यादव	हीरालाल यादव	सांत्वना

### बच्चों की प्रतियोगिताएं

### 1. नर्सरी से पहली के विद्यार्थियों के लिए काव्य-पाठ प्रतियोगिता

नाम	पिता का नाम सर्वश्री	स्थान
शिवा	अशोक कुमार	प्रथम
कल्पित	मान सिंह	द्वितीय
भावना	राजेश	तृतीय

### 2. दूसरी से तीसरी के विद्यार्थियों के लिए काव्य-पाठ प्रतियोगिता

नाम	पिता का नाम सर्वश्री	स्थान
अमृता	अखिलेश	प्रथम
जिगिषा	तेजबीर सिंह	द्वितीय
साक्षी	जोगिन्द्र	तृतीय
आशीष	अखिलेश	सांत्वना
तेजस	प्रीतम यादव	सांत्वना

### 3. चौथी से सातवीं के विद्यार्थियों के लिए हिन्दी निबंध लेखन प्रतियोगिता

नाम	पिता का नाम सर्वश्री	स्थान
तन्मय यादव	प्रीतम यादव	प्रथम
शुभम	तेजबीर सिंह	द्वितीय
रितिका	विपिन	तृतीय
वेदांत	जे. पी. चौरे	सांत्वना
संजना	राजेश	सांत्वना

### 2. सातवीं से दसवीं के विद्यार्थियों के लिए निबंध लेखन प्रतियोगिता

नाम	पिता का नाम सर्वश्री	स्थान
रोहित कुमार	समीर कुमार	प्रथम

### नगर के सभी संस्थानों/केन्द्रों के अधिकारियों/कर्मचारियों के लिए प्रतियोगिताएं

### 1. काव्य-पाठप्रतियोगिता

नाम	संस्थान/केन्द्र	स्थान
श्री नरेश दत्त	उ.क्षे.कृ.म.प्र.एवं परी. संस्थान	प्रथम
श्री गुरजीत सिंह	-सम-	द्वितीय
श्रीमती कोमल सरदाना	डाकघर	तृतीय
डॉ राजेश सरदाना	स्वास्थ्य विभाग	सांत्वना
श्री परमतदीन खुशवाहा	उ.क्षे.कृ.म.प्र.एवं परी. संस्थान	सांत्वना

### 2. आशु भाषण प्रतियोगिता

नाम	संस्थान/केन्द्र	स्थान
श्रीमती शम्मी त्यागी	रा. अश्व अनु. केन्द्र	प्रथम
श्री प्रीतम सिंह	उ.क्षे.कृ.म.प्र.एवं परी. संस्थान	द्वितीय
डॉ सुधीर खन्ना	के. भैंस अनु. संस्थान	तृतीय

### **INDEPENDENCE DAY 2014**

On this occasion, apart from flag hoisting ceremony, cultural programs were organized for staff, children and trainees of this institute. The children of the TTC School also participated and sung the patriotic songs. The Director of the Institute delivered a message on this occasion for the betterment of Institute and staff. In his message he thanks all the officers and staff of this Institute for their contribution and cooperation in achieving the physical and financial targets as well as development of the Institute.

### **REPUBLIC DAY 2015**

The Republic day was celebrated with joy and spirit by the trainees, staff & their family members of the Institute. Apart from the official Program of the flag hoisting various cultural and sports activities were organized. All the trainees, staff and their family members participated in the events. The children of the TTC School also participated and sung the patriotic songs. A message from the Director was delivered for the progress of the Institute. The prizes were distributed by the Director to the winners on this occasion.

## FINANCIAL PERFORMANCE

The details of the financial statements showing allocation, expenditures and receipts of the institute for the last five years (2010-11 to 2014-15) are as under:

2401 Non-Plan (Rs. in Lakhs)

Year		2010-11	_		2011-12	2		2012-13	_		2013-14			2014-15	
Sub head	BE	R.E.	Exp	BE	R.E.	Exp	BE	R.E.	Exp	BE	R.E.	Exp	BE	R.E.	Exp
Salary	185.09	246.64	175.00	190.00	185.09	246.64	279.91	265.38	263.57	320.64	301.54	281.53	385.20	345.00	306.70
OTA	0.00	80.00	00.10	60.00	0.00	80:00	10	0.10	0	0.10	60.0	ı	0.10	0.10	0.00
Wages	23.46	31.39	21.00	23.50	23.46	31.39	36.72	57.00	48.43	59.98	45.70	43.57	47.76	43.56	43.26
Med. Tr.	4.51	4.88	2.00	4.75	4.51	4.88	8.00	7.02	5.72	7.50	8.25	8.08	8.00	7.00	4.01
DTE	3.01	3.53	4.00	3.70	3.01	3.53	7.50	7.50	2.83	7.24	7.13	3.47	7.50	6.75	6.53
0E	19.70	17.63	23.00	22.00	19.70	17.63	29.41	33.92	33.85	49.81	47.50	46.61	57.02	47.00	46.88
M&E	8.45	12.60	10.00	9.00	8.45	12.60	15.00	12.42	11.54	ı	ı	ı	ı	ı	
00	12.76	13.33	15.00	14.50	12.76	13.33	23.08	28.60	24.48	31.91	30.58	27.84	33.25	20.09	19.72
Mn Works 16.62	16.62	17.64	24.00	22.00	16.62	17.64	40.00	35.79	29.00	28.48	45.97	45.97	41.10	37.30	37.30
Publn	29.0	06.0	1.00	0.95	29.0	06.0	1.50	1.34	99.0	1.50	1.13	0.52	1.62	1.50	1.08
Ad. & Pub	1.84	2.54	2.50	2.30	1.84	2.54	2.00	4.33	2.51	5.32	4.79	1.69	5.91	7.00	5.99
Supplies & Material	I	I	I								l		21.00	15.00	14.74
Total	276.11	276.11 351.16 240.60		292.79	276.11	351.16	461.27	446.40	422.59	512.48	492.68	459.28	608.46	530.30	486.21

4401- Non Plan (Rs. in Lakhs)

Year		2010-11	_		2011-12	2		2012-13	က		2013-14	4		2014-15	ລ
Sub head BE	BE	R.E. Exp	Ехр	BE	R.E.	Ехр	BE	R.E.	Ехр	BE	R.E.	Ехр	BE	R.E.	Ехр
M&E	13.00	13.00 3.70		4.00	11.18	1.13	4.13	4.17	3.27	14.00	12.00	11.99	19.00	15.00	14.98
Works	10.00	10.00	0 05.70 1	13.00	18.49	9 12.52	13.33	13.33	13.33	3.91	3.91 3.91	3.91	20.00	20.00	20.00
Total	23.00	23.00 09.40	09.40	17.00	29.67	13.65	5 15.76 1	7.50	16.60	17.91	1 15.91 1	15.9	39.00	35.00	34.98

### 4401-Plan (Rs. in Lakhs)

Year		2010-11	_		2011 - 12	2		2012-13	က		2013-14	₹+		2014-15	2
Sub head BE	BE	R.E.	Ехр	BE	R.E.	Exp	BE	R.E.	Exp	BE	R.E.	Exp	BE	R.E.	Exp
M&E	30.00	30.00 30.00	15.96 70.00	70.00	00.09	19.84	90.00	11.14	23.60	120.00	120.00	33.67	60.00 19.84 90.00 11.14 23.60 120.00 120.00 33.67 4.50 4.50 4.47	4.50	4.47
Works	35.00	35.00	14.83	40.00	40.00	38.53	25.00	25.00	25.00	140.00	140.00	76.74	40.00 38.53 25.00 25.00 25.00 140.00 140.00 76.74 150.00 140.00 137.28	140.00	137.28
Motor Vehicle						I			I		I	1	1.00	1.00 1.00 0.00	0.00
<b>Total</b> (	65.00	65.00 30.79 110.00	30.79	110.00	100.00	58.37	115.00	36.14	48.60	260.00	260.00	110.41	100.00 58.37 115.00 36.14 48.60 260.00 260.00 110.41 155.50 145.50 141.75	145.50	141.75

# Revenue Receipts (Rs.) (2010-11 to 2014-15)

Source	2010 - 11	2011-12	2012-13	2013-14	2014-15
Training	299531	272524	376505	420450	609602
Testing	4880296	7859787	14344636	19361052	13040833
Farm	681119	1748299	465579	1343177	885519
Miscellaneous	1352941	261976	81001	113306	157399
Total	7213887	10142586	15267721	21237985	14693353

### PERSONNEL MANAGEMENT

SI.No	Name of Incumbent	Date of Retirement
1	Sh. Ramesh Kumar, Sr. Tech.	30.09.2014
2	Sh. Mahipal Singh, MTS	30.09.2014
3	Sh. Shiv Bax, MTS	31.10.2014
4	Sh. Ashok Kumar, Sr. Tech.	31.12.2014
5	Sh. Ram Singh, MTS (Technical)	31.01.2015
6	Sh. Randhir Singh, MTS	31.03.2015
7	Sh. Sahib Lal, DPL(TS)	31.03.2015
8	Sh. Neembu Lal, DPL(TS)	30.04.2015

### **Transfers & Promotions**

SI.No.	Name of Officer/Official	Transferred/Promoted From / To
1	Sh. J.P. Mandal, A.E.	Transferred from Hisar Institute to Biswanath Chareialy (Assam) Institute
2	Sh. R.M. Tiwari, A.E.	Transferred from Hisar Institute to Budni (MP) Institute
3	Sh. P.K. Chopra, S.A.E.	Transferred from Hisar Institute to the Ministry of Agri., New Delhi
4	Sh. J.J.R. Narware, S.A.E.	Transferred from Budni (MP) Institute to Hisar Institute
5	Sh. R.K. Nema, A.E.	Transferred from Budni (MP) Institute to Hisar Institute
6	Sh. G.R. Ambalkar, A.E.	Transferred from Budni (MP) Institute to Hisar Institute
7	Sh. Man Singh, A.E.	Transferred from Garladinne (AP) Institute to Hisar Institute
8	Sh. R.K. Nema, A.E.	Promoted to the Post of S.A.E. at this Institute.
9	Sh. J.J.R. Narware, S.A.E.	Promoted to the Post of Director and transferred to Biswanath Chareialy (Assam) Institute
10	Sh. Man Singh, T.A.	Promoted to the post Sr. Technical Asstt. at this Institute
11	Sh. Ram Niwas, T.A.	Promoted to the post of Sr. Technician at this Institute

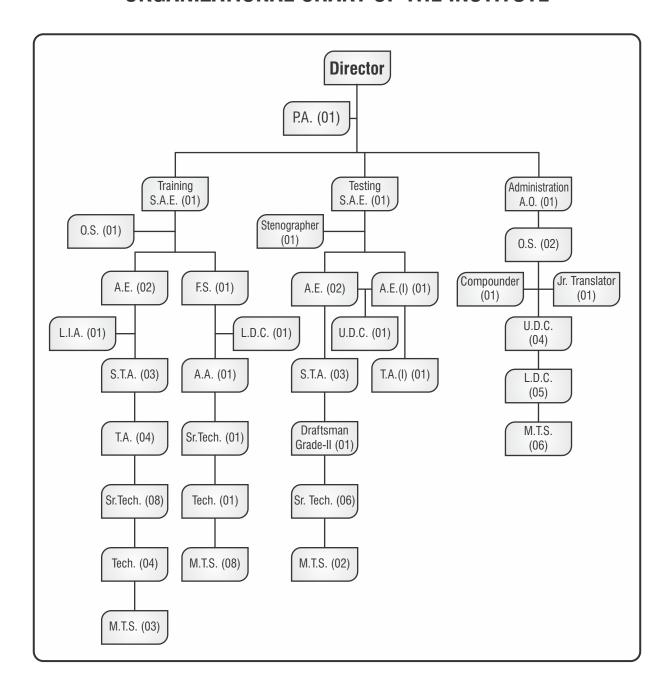
### **RTI ACT**

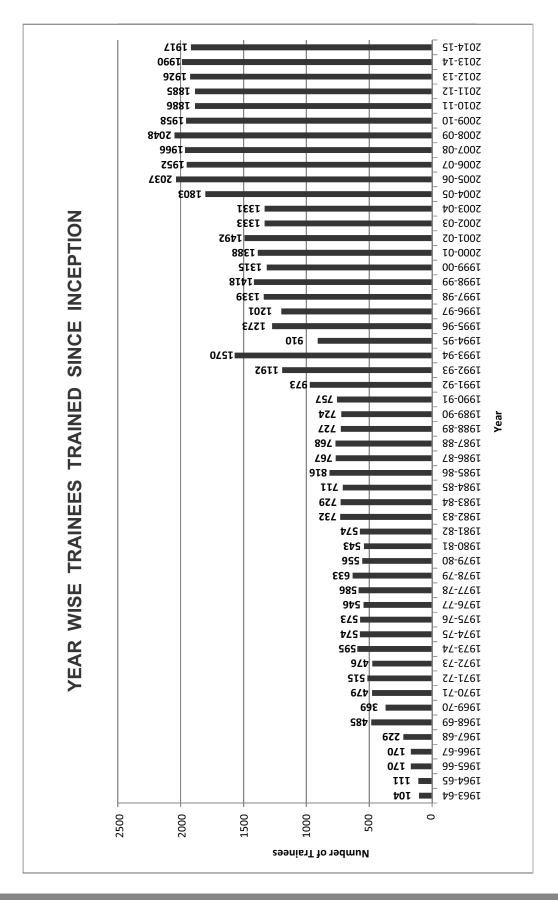
As per the guidelines of the Government of India, the RTI Cell of this Institute is fully functional. The details related with the applications received under RTI Act, 2005 are given below:

1.	Requests received during the year including cases transferred to other public authority	24
2.	Number of cases transferred	-
3.	Number of cases where requests/appeals rejected by invoking section 8(I) of RTI Act, 2005	-
4.	Number of cases where disciplinary action taken against any officer	-
5.	Number of appellate authorities designated	1
6.	Amount of charges collected under RTI Act, 2005	392

### **ANNEXURE-I**

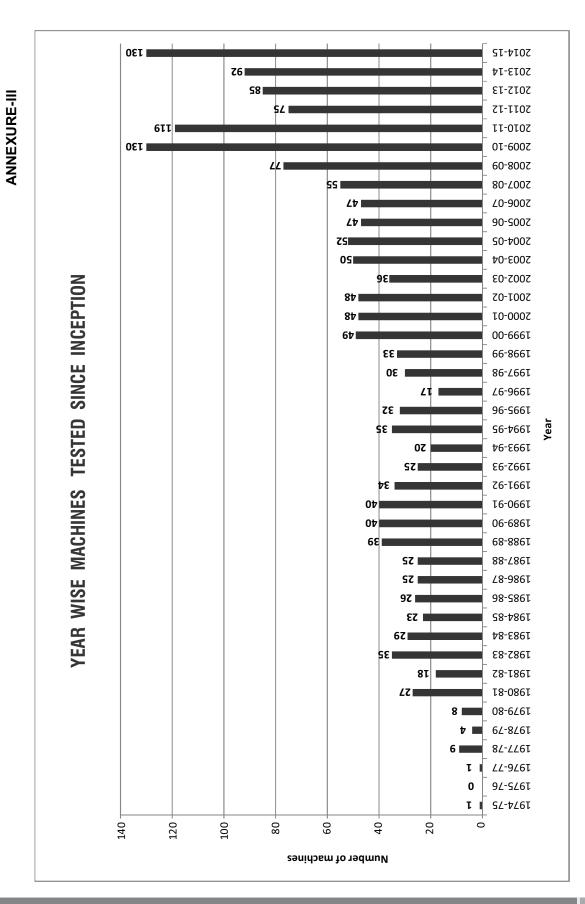
### **ORGANIZATIONAL CHART OF THE INSTITUTE**





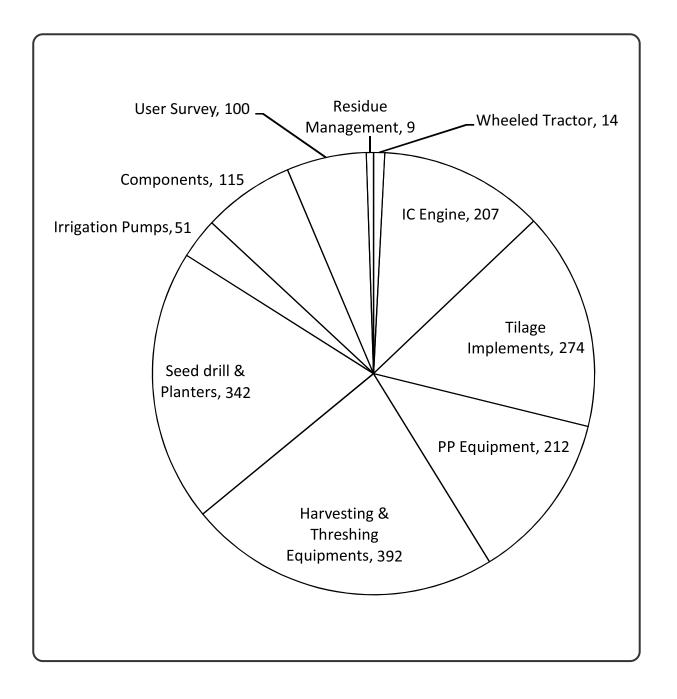






### **ANNEXURE-IV**

### **CATEGORY-WISE MACHINES TESTED SINCE INCEPTION**



### LIST OF DIRECTORS SERVED THE INSTITUTE SINCE INCEPTION

S. No.	Name of Directors		riod
	S/Sh.	From	То
1.	P.J. Zakaria	01.07.63	08.10.63
2.	A.D. Chhugani	09.10.63	08.05.67
3.	K.S. Yadav	07.11.67	02.02.77
4.	S.K. Mishra	03.02.77	08.04.79
5.	K.S. Yadav	09.04.79	30.05.82
6.	V.A. Patil	31.05.82	07.07.92
7.	H.C. Luthra	09.07.92	31.08.95
8.	N. Singh	01.09.95	30.04.96
9.	S.C. Jain	01.05.96	02.08.99
10.	R.S. Dass	11.08.99	04.10.02
11.	M.L. Mehta	15.11.02	07.03.05
12.	V.N. Kale	08.03.05	23.11.07
13.	Himat Singh	26.11.07	07.12.09
14.	A.N. Meshram	16.12.09	15.04.13
15.	Himat Singh	06.05.13	Continue



