

## TEST ROOM

room with modest facilities is available at the Institute for accommodating visitors.

## TESTING ACTIVITIES

The Testing Wing of the Institute is well equipped with modern infrastructure facilities viz. test labs with precision instruments/ equipment etc. required for testing of agricultural machinery/implements including tools, engines, components, etc. based on the BIS.

## HOW TO AVAIL TESTING FACILITIES

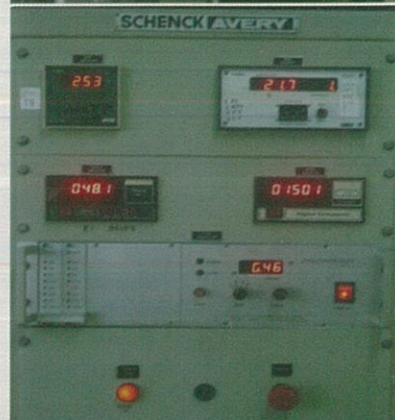
Manufacturers/ applicants can submit the duly filled **Application in prescribed format** and **Technical Specifications** of the machine in triplicate. It must be accompanied with the requisite **Test fees** by way of Demand Draft drawn in favour of the **Director, FMT&TI, Biswanath Chariali (Assam) - 784176** available at **State Bank of India (Bank Code: 2026), Biswanath Chariali (Assam).**



## TESTING CHARGES

Name of Machine	2015-16	
	Test Fee* (Rs.)	Other Fees
2	3	4
Components	8035	Service tax as applicable at the time + other related charges viz. Lubricating oil, spare parts, seeds, etc.
Hand Tools	8035	
Power operated Thresher, Decorticator, Sheller, Winnowing	27920	
Animal drawn Equipment	17130	
Tractor drawn/operated Implements/Equipment	54580	
Manually operated Equipment	15530	
Power Tiller driven/Self Propelled Reaper etc.	32110	
Tractor drawn/operated Seed cum fertilizer drill/Planters/Straw Reaper, Mini Rice Mill, Power Seed cleaners/grader	57260	
Animal drawn Multi-tool Bar (Minimum attachments)	45475	
Self-Propelled Paddy Trans Planter	78120	
Power operated Multi Crop Thresher (Two or more crop)	58860	

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



NAME OF COURSE	CODE	COURSE NAME	DATE OF COMMENCEMENT	DURATION (Weeks)	Fees
A USER LEVEL COURSES	U1	Appropriate Mechanization Technology for Energy Management in Agriculture	6 <sup>th</sup> Apr, 6 <sup>th</sup> Jul, 1 <sup>st</sup> Sept, 7 <sup>th</sup> Dec, 4 <sup>th</sup> Jan, 1 <sup>st</sup> Feb & as per requirement	4	FREE
	U2	Selection, Operation, Safety and Maintenance of Improved Agricultural Machinery	3 <sup>rd</sup> Aug, 9 <sup>th</sup> Nov & as per requirement	6	
	U3	Operation, Repair, Maintenance & Management of Power Tiller and Matching Equipment	20 <sup>th</sup> Apr, 17 <sup>th</sup> Aug, 1 <sup>st</sup> Feb	2	
	U5	Gender friendly Equipment for Women farmers	20 <sup>th</sup> Apr, 3 <sup>rd</sup> Aug, 9 <sup>th</sup> Nov, 18 <sup>th</sup> Jan	3 days	
	U7	Water Management Through sprinkler and drip Irrigation & Water saving devices.	1 <sup>st</sup> Feb & as per requirement	1	
B TECHNICIAN LEVEL COURSES	U8	Selection, operation and maintenance of Plant Protection Equipments	7 <sup>th</sup> Sept & as per requirement	1	FREE
	U9	Selection, Operation, and Maintenance of Improved Harvesting & Threshing machines	6 <sup>th</sup> Jul & as per requirement	2	
	U11a	Selection, operation and maintenance of Agri. Machinery for dry land agriculture	6 <sup>th</sup> Jul & as per requirement	2	
	U12a	Package of Agri. machinery for Paddy cultivation	7 <sup>th</sup> Sept, 12 <sup>th</sup> Oct, and as per requirement	1	
	T1	Repair and overhauling of Stationary engines and tractors	3 <sup>rd</sup> Aug, 9 <sup>th</sup> Nov, 4 <sup>th</sup> Jan & as per requirement	6	
C MANAGEMENT LEVEL COURSES	T2	Repair and Overhauling of Power Tillers	14 <sup>th</sup> Sept, 4 <sup>th</sup> Jan, & as per requirement	2	FREE
	T5	Repair and maintenance of Auto Electrical equipments and Battery re-conditioning	6 <sup>th</sup> Jul, 12 <sup>th</sup> Oct, 4 <sup>th</sup> Jan & as per requirement	3	
	T8	Repair, maintenance & overhauling of diesel pumping sets	3 <sup>rd</sup> Aug, 4 <sup>th</sup> Jan & as per requirement	2	
	M1	Testing and Evaluation of Farm Machinery	As per requirement	1	
	M2	Agriculture Machinery Management	As per requirement	1	
D ACADEMIC LEVEL COURSES	M4	Instrumentation for Farm Machinery Testing and Evaluation	As per requirement	1	FREE
	M5	Entrepreneurship development to establish custom hiring Agro-service Centre	As per requirement	8	
	M6	Farm machinery management for dealers/ traders/ manufacturers, etc.	As per requirement	1	
	A1	Practical Training prog. on Farm Power & Machinery for Deg/DIP Engg. Students.	5 <sup>th</sup> May, 1 <sup>st</sup> Jun, 6 <sup>th</sup> Jul & as per requirement	4	
	A2	Practical Training prog. on Farm Power and Machinery for TT & vocational courses for 10+2 Students.	As per requirement	4	
F NEED BASE TECHNOLOGY TRANSFER CAMPS	NB	Need based Training Prog. on Farm Mechanization	As per requirement	-	FREE
	TT1	Energy conservation & safety in farm machinery	As per requirement	1-2 days	
J	TT2	Familiarization and demonstration of improved/modern Agri. Machines.	As per requirement	1-2 days	FREE

Note: (1) The training programmes which are not yet included or available on the above calendar will be conducted on demand from the needy organizations/ individuals. (2) If there is a Saturday or Sunday or Public Holiday on the date of commencement of any training programme mentioned above the training will start on the next working day. (3) The actual training calendar for the particular year is published in the newspaper and also available on the Institute's Website.

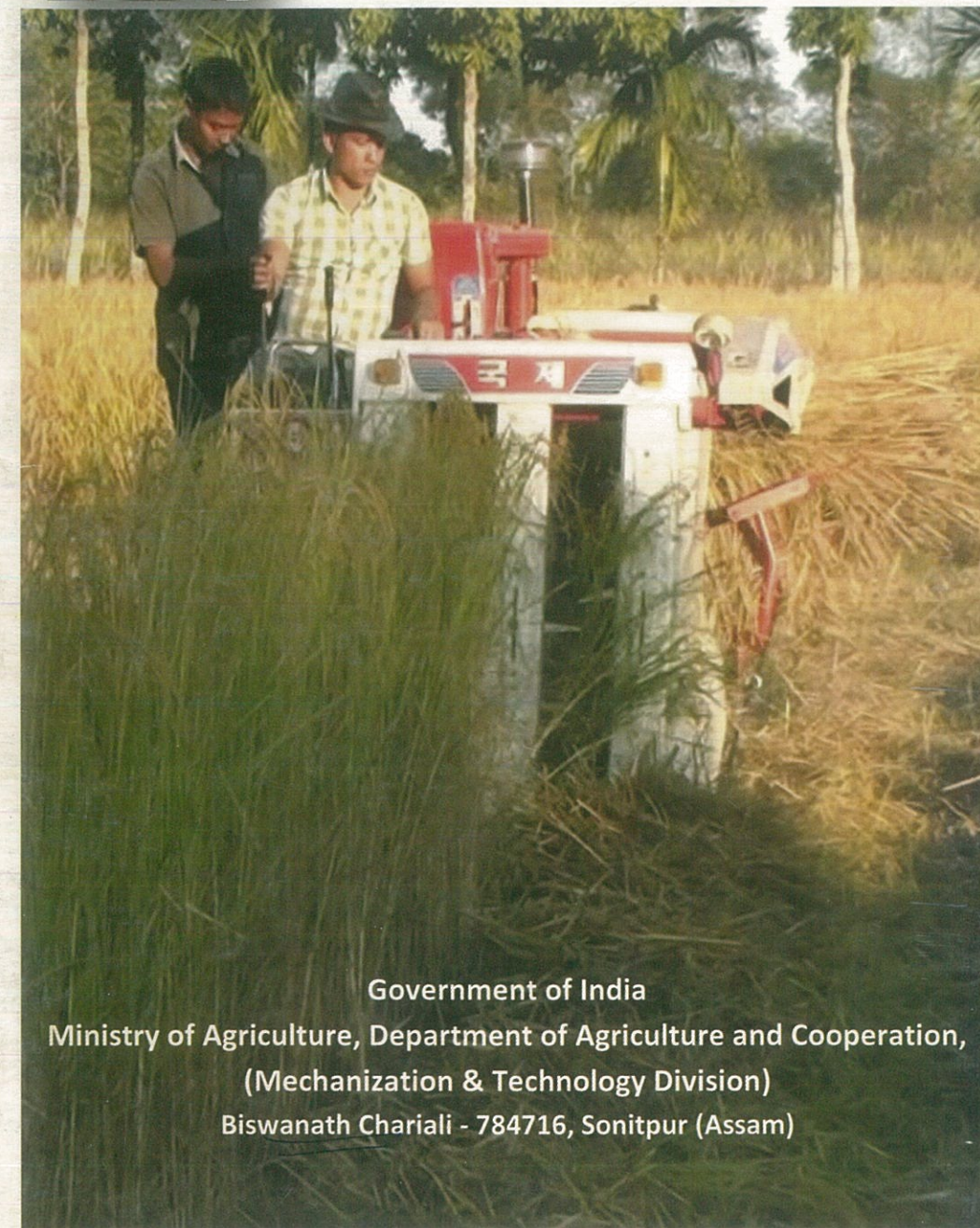


Institute.....

at a glance



NORTH EASTERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE



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## INTRODUCTION

Tractors and equipment play a pivotal role in the crop production, transportation, processing, conservation etc. Mechanization of farming activities helps in reducing input cost, cost of production, and increase productivity. Recognizing this fact, Government of India established "North Eastern Region Farm Machinery Training and Testing Institute" at Biswanath Chariali in Assam to cater the needs for trained manpower and for quality improvement of equipment for NE States. The Institute is equipped with a very wide range of different makes, models of wheeled tractors, tillage, harvesting, processing, land shaping, irrigation, plant protection, irrigation pumps and hydraulic systems, etc. for imparting training on use, repairs and maintenance of machinery.



## LOCATION OF INSTITUTE

Distance from Guwahati	: 275 Km in the east on NH15	Nearest Rly. Stn.	: Viswanath Chariali (VNE)
Distance from Tezpur	: 75 Km on NH15	Nearest Airport	: Guwahati & Tezpur
Distance from Biswanath Chariali	: 4 Km via BG Road	Geographic Position	: 92°16'E - 93° 43'E, 26° 30'N - 27° 01'N

## CLIMATE

Assam District falls in the Sub-Tropical climatic region, and enjoys Monsoon type of climate. The minimum and maximum temperature during summer (May to early June) are 18°C & 36°C respectively, whereas, in winter it is 7°C & 22°C respectively. The average annual rainfall during the month of June to early September is about 180 cm.

## TRAINING PROGRAMMES

Under the various training programmes, different categories of trainees such as progressive farmers, technicians, entrepreneurs, nominees from Govt. Departments, Universities, NGO, SHG are trained on selection, use, operation, repair & maintenance of tractors, power tillers and other farm machinery. The advertisement for training programmes is published in the leading national and local newspapers. The calendar can also be obtained directly from the Institute or from the website.

## CERTIFICATES

As a part of training, regular and periodical tests are conducted and to the candidates who successfully complete training, certificates are awarded.

## MEDIUM OF INSTRUCTIONS

The medium of instructions is Hindi and English. Therefore, the candidates should be able to understand, express, read or write in these languages.

## STIPEND AND TRAVELLING ALLOWANCE

- I) Eligible private candidates for User Level Courses (U1 to U13) are paid a stipend of Rs. 500/- per week for the entire duration of training. They are also paid to and from second class travelling expenses by rail or ordinary bus charges from the nearest Railway Station/ Bus Stand of their home town (Residential Certificate is to be enclosed) or the place where he actually residing at the time of admission (the address at which the correspondence is made). The trainees are required to submit the tickets to claim the travelling expenses.
- II) Trainees sponsored under "Entrepreneurship development to establish custom hiring/ Agro-service Centre" (M5) under SMAM Programme get stipend through their respective Sponsoring Authorities.
- III) Since the nominees of Government Departments, Semi-Government, Co-operative Societies and Departments are eligible for pay and allowances as admissible to them, they are not entitled for stipend.
- IV) No stipend or TA/DA will be given to trainees selected for the courses other than User Level.

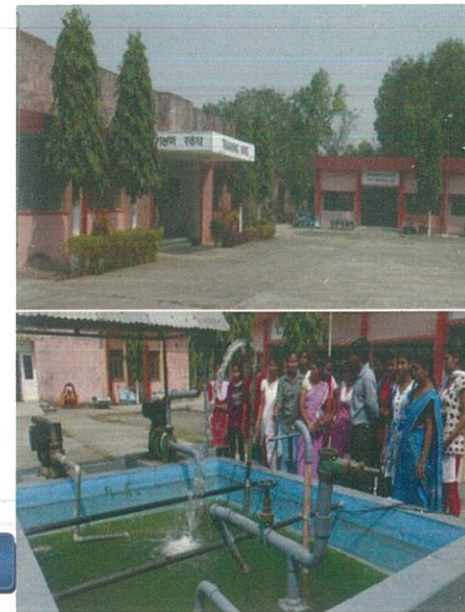
## FEE (INCIDENTAL CHARGES)

The details of the fee structure (Incidental Charges) are given in the training calendar. Every selected candidate is required to pay the fee as prescribed at the time of admission.



## EQUIPMENT & WORKSHOP FACILITIES

The Institute is equipped with a very wide range of different makes, models of wheeled tractors, power tillers, tillage implements, intercultural equipment, harvesting, threshing, processing, land shaping, irrigation pumps, plant protection and hydraulic systems, etc. for imparting training on use, repairs, and maintenance of machinery.



## FARM

For imparting "on-the-job" training on different agricultural operations and for demonstrating improved farming and farm-implement practices, the Institute possesses sufficient agricultural farm. The trainees are expected to participate actively in all the programmes of farm operations and development.

## STAFF

The Institute enjoys the status of a sub-ordinate office under the Union Ministry of Agriculture (Deptt. of Agri. And Coop.) of Government of India. The responsibility for Organization and management of the Institute is vested with the Director. He is assisted with qualified and experienced engineers and technicians.

## AUDIO-VISUAL AIDS

The Institute supplements "on-the-job training" with a sizeable collection of cut-away models of tractors, engines, pumps, electric motors and a number of display charts, boards-models are available. The audio-visual section possesses a good number of CDs on technical aspects.

## LIBRARY

The Institute is well equipped with library having books on various aspects of agricultural mechanization. In addition to the books, quite a good number of engineering journals are also available.

## RESIDENTIAL & HOSTEL FACILITIES

The Institute is having a reasonably well furnished hostel for trainees where free lodging is provided. The mess is managed by the trainees. The Indoor and Outdoor sports facilities are also available for the trainees.

## SUB-MISSION ON AGRICULTURAL MECHANIZATION

Govt. of India has initiated the SMAM Scheme during the Twelfth Five Year Plan to promote farm mechanization to the farmer's field. Through this scheme, a special financial assistance will be provided to the beneficiaries in high-potential but low-mechanised states of North-East. The detailed Operational Guidelines for SMAM can be obtained from <http://farmech.gov.in>

S. N.	Item	Max. Permissible Project Cost	Pattern of Assistance (Project Based)	Norms of Intervention
I.	Financial assistance for procurement of machinery/implements	Upto 1.25 lakhs per beneficiary	100% of cost of machinery/ implement/ equipment	8 NE States to take up this on project basis with a min. of 8-10 farmers in order to encourage good agricultural Practices in specific crops/areas.
	Financial assistance for Farm Machinery Banks for group of farmers	Upto Rs. 10 lakhs per Farm Machinery Bank	95% of cost of Farm Machinery Banks	

Other than these, Farmers from NE States are also given special financial assistances on individual procurement of Post-Harvest Equipment and different kinds of Agriculture Machinery & Equipment [Ref. Annex. II(b) and II(c) of SMAM Operational Guidelines].

