SUPPORTING FOOD ENTERPRISES FOR SCALING UP SMALL MILLET NUTRITIOUS FOOD PRODUCTS BY TNAU

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Training programmes

Training programmes conducted in Tamil Nadu

S.No	Date	Name of the Training conducted	No. of Participants
1	27.04.2016	Interactive Meeting cum Demonstration on Millet processing Machinery and Value addition of millets	48
2	12.07.2016 & 13.07.2016	Value added products from Millets	17
3	15.09.2016 & 16.09.2016	Value added products from Millets	18
4	31.08.2016	Food safety and Quality control	25
5	23.11.2016	Packaging of Food Materials	17
6	28.11.2016	Livelihood enhancement Training for Micro food enterprises (street vendors)	29
7	3.11.2016	Food Packaging	25
8	05.12.2017 & 06.12.2017	Value added products from Millets	27
9	09.12.2016 & 10.12.2016	Value added products from Millets	20
10	27.12.2016 & 28.12.2016	Value added products from Millets	18
11	30.01.2017	Value added products from Millets	25
12	07.02.2017 & 08.02.2017	Value added products from Millets	10
13	22.02.2017 & 23.02.2017	Value added products from Millets	25

Training programmes conducted in Tamil Nadu

S.No	Date	Name of the Training conducted	No. of Participants
14	23.03.2017 & 24.03.2017	Food Packaging & Foods safety and quality control	27
15	04.04.2017 & 05.04.2017	Value added products from millets	12
16	09.05.2017 & 10.05.2017	Value added products from millets	17
17	04.07.2017 &	Value added products from millets	15
	05.07.2017		
18	08.08.2017 &	Value added products from millets	24
	09.08.2017		
19	10.10.2017 &	Value added products from millets	16
	11.10.2017		
20	07.11.2017 &	Value added products from millets	16
	08.11.2017		
21	09.01.2018 &	Value added products from millets	16
	10.01.2018		
22	06.02.2018 &	Value added products from millets	14
	07.02.2018		











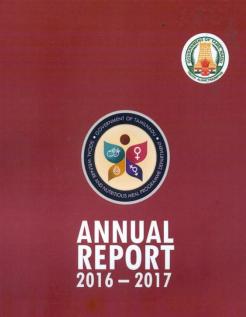








Training to Third Genders



DIRECTORATE OF SOCIAL WELFARE SOCIAL WELFARE AND NUTRITIOUS MEAL PROGRAMME DEPARTMENT



Steps towards Third Genders Welfare



Certificates givin to Third Gender after completion of Training

The Third Genders are the most marginalized communities who are often rejected and thrown out of their homes by their own families. They go through abuse, deprivation and other forms of discrimination.

The Government has established the Third Gender Welfare Board in the year 2008 to survey, register to issue ID cards to them.

The foremost difficulty faced by the Third Gender is to earn their livelihood through a decent and respectable profession.

Skill Training for Third Genders

To empower the Third Gender economically, grants are provided to Third Genders individuals or Self Help Groups to take up income generating activities and skill training was given on various trades.

In Coimbatore District Skill Training was given on bakery products to the Third Genders and certificates were distributed at the end of the Training.

Rs.136.95 lakhs has been sanctioned to 32 districts in the year 2016-17. Out of which 68.40 lakhs have been utilised for their education and skill development programmes. So far, 5518 Third Genders have been identified and out of them 1718 have been issued Ration Cards, 1195 got Patta Land, 136 received sewing machines. Training to Third Genders on Baking Under pension scheme, for Third Genders above 40 years in the year 2016-17, 120 lakhs was sanctioned and 1000 Third Genders got benefited.



Training programmes conducted in other states

S.No	Date	Place	Name of the Training conducted	No. of Participants
1	11.06.2017 & 12.06.2017	Vizag, Andhra pradesh	Value added products from Millets	25
2	24.10.2017 & 25.10.2017	Raipur, Chattisghar.	Value added products from Millets	105
3	26.10.2017 & 27.10.2017	Mandla,Madhya pradesh	Value added products from Millets	33
4	13.12.2017 &14.12.2017	New Delhi.	Value added products from Millets	12
5	08.02.2018 & 09.02.2018	Nandabur, Maharashtra	Value added products from Millets	45
			Total	230



Industries visited

Sl.	Name of	Place	Products	Machineries available
No	industry			in the industry
1.	Kalanjiyam,	Erode	Health Mix,	Commercial pulveriser,
	NS foods		Flakes	Weighing scales
2.	Aboorva	Madurai	Health mix,	Commercial Pulveriser,
	Foods		Instant mix,	weighing scales
			Chapati mix	
3.	Nilachoru	Thirumangala	Traditional	Commercial pulverizer,
		m,Madurai	Millet products	Hand extruder
4.	TR Snacks	Thirumangala	Snacks items	Commercial pulverizer,
		m,Madurai		Hand extruder

Sl.	Name of industry	Place	Products	Machineries
No				available in the
				industry
5.	Atchaya Foods	Madurai	Adai and dosa	Roaster,
			mixes	Commercial
				pulveriser, Weighing
				scales, Sieves
6.	Padmashree Foods	Madurai	Adai and dosa	Pulveriser, weighing
			mixes, Kali mix,	scales
			Puttu mix	
7.	Anu green Foods	Madurai	Multimillet Adai,	Roaster,
			Dosa mixes,	Commercial
			Puttu, Health	pulveriser, Sieves,
			mix, Soup	Weighing scales
8.	Century Millet Foods	Abiramam	Health Mix,	Pulveriser, Manual
			Health Mix	Roasting, Weighing
			ingredients	scales

Sl. No.	Name of industry	Place	Products	Machineries available in the industry
9.	Green Happy Foods	Aruppukottai	Millet cookies	OTG oven, Commercial pulveriser
10.	Mothi Foods	Viruthunagar	Multigrain Health Mix, Millet Cookies, Flour, Flakes and vermicelli, Chapati mix, Instant mixes	Deck oven, Parboiling unit, Destoner, Dehuller
11.	Happi Millets	Trichy	Millet Cookies, Flours, Rices, Flakes, Vermicelli Instant Mixes	Destoner, Dehuller, Specific gravity separator, Grinder, Roaster, Tray drier, Pulveriser, Continuous Sealing Machine
12.	Thaai Foods	Trichy	Millet Cookies, Rusk	Gas Deck Oven, Planetary mixer, Cookies machine

Sl. No.	Name of industry	Place	Products	Machineries available in the industry
13	Natrinai Angadi	Chennai	Dosa Mix, Adai Mix, Health Mix, Millet Flour, Navadhanya Millet flour, Noodles, Sevai, Rice, Cookies	Commercial pulveriser, Weighing scales, Sealing Machines
14	Dhivyam Snacks	Chennai	Millet muruku,Ribbon pakoda, Karasev, Mixture, Sweets	Commercial Pulveriseer, Weighing & Sealing Machines
15	Nalam Organic	Pondicherry	Millet Vermicelli, Multigrain Chapati Mix	Commercial Pulveriseer, Weighing & Sealing Machines
16	Ragivitta	Coimbatore	Ragi Malt, Health Mix, Health Drink, Kanji Kit, Rava Dosa Mix	Pulveriser, Roaster, Dehuller, Sealing Machine, Weighing Scales
17	Proteman	Coimbatore	Vermicelli of all millet types	Dough Mixers, Extruders, Steamer, Weighing Scales, Sealing Machines.
18	Iniyaval Ramji Food Products	Villupuram	Millet Aval(Flakes), Millet Cookies, Millet Aval Venpongal mix, Millet Aval Kesari Mix, Millets	Flaking Machines,

No	Industry	Place	Products	Machines available
19	Fibro Foods	Salem	Ragi Chocolate Health Mix,Multimmillet Adai,Finger	Auger
			Millet Pooridge,Multi Millet Rawa Dosa Mix,Pearl	Filler,Blender,Sifter,Sautiner,Pulveri
			Millet Porridge, Millet Rava Dosa Mix, Finger Millet	zer,Printer,Washer
			Puttu, Multi Millet Briyani ,Multi Millet	Cold Storage Unit.
			Khichdi,Sambhar Rice,Multi Millet Kheer, Multi Millet	Cold Storage Unit.
			Upma,Multi Millet Pongal.	
20	Anbhu Kudil	Namakkal	Foxtail Murukku, Cholam Murukku, Adhirasam, Little	Roaster
			Millet Omapodi,Little Millet Mixer,Varagu	
			Muruku,Varagu Mixture,Health Mix,Ragi Boondhi	
			Laddu.	
21	Sri Ganapathy Parampariyam	Namakkal	HealthMix,Murukku mix,Chikki,Snacks And Tiffen	-
	Foods		Items.	
22	Thaai Shai	Erode	Multi millet health mix	Pulverizer ,Grader,Sealer.
23	Aaagaram	Erode	Multimillet health mix, Multimillet chapathi mix,	Packaging machine,grinder,
			Multimillet dosa mix, Multimillet idli chilli powder,	pulveriser, sealer.
			Multimillet adai mix,	
24	Aara foods	Erode	Multimillet health mix, Multimillet dosa mix,	-
			Multimillet idli chilli powder, Multimillet adai	
			mix,thinai ladu, kudiraivali murukku.	
25	Anu traders	Hosur	Multimillet health mix	Puveriser,grinder, sealer.
26	Amudham	Hosur	Foxtail sweet pongal,kodo venpongal mix,foxtail	Packaging machine,grinder,
			idyappam mix,sporuted ragi porridge mix.	pulveriser.
27	Sri sakthi mess	Dharmapuri	Samai thenai varagu panivaragu kuthirai vali	-
			dosai.panivaragu pongal,ragi dosai.	



- Most of them were small scale industries operating from home
- Most of the operations were done manually
- Unaware of importance of food safety and personnel hygienic practices and packaging & labeling standards
- Technological solutions and advices were given to the queries regarding their products based on customer complaints
- Products were taken for sensory evaluation and suggestions were given for a few products for improvement

Sensory evaluation of millet based instant food mixes Collected from small scale industries

REMARKS

- Around 32 food samples were evaluated for sensory characteristics
- Majority of the products were highly acceptable
- Consistency of few samples needs to improved
- As per FSSAI norms, improvement in labelling part is needed for most of the industries.

Microbial Analysis of Food Samples Collected From Small Scale Industries

REMARKS

- Microbial analysis viz., yeast & mold, total plate count and E.coli were analyzed in food samples (28 samples) collected from small scale industries.
- Majority of the products were within the safer limits of microbial load
- Some of products were contaminated (E. coli). Those companies were instructed to follow hygenic practices to reduce the E.coli contamination.

THANK YOU