

List of Resource Persons for training of the NSRTC Varanasi (U.P.):

Sl. No.	Name and designation	Name of Organization	Subject of Specialization	Title of the lectures
1.	Dr. D. K. Yadav ADG (Seeds)	ICAR, Krishi Bhawan, New Delhi	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Global and National scenario of the Seed Industry current status and future prospects. 2. An Overview of OECD Seed Scheme. 3. Varietal release and notification system in India.
2.	Dr. Sanjeev Gupta ADG (Oilseeds & Pulses)	ICAR, Krishi Bhawan, New Delhi	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Current Status and future prospects of the Oilseeds and Pulses in India. 2. Seed Quality maintenance during Oilseeds and Pulses processing, storage and transportation. 3. Scope and constraints during hybrid seed production of Oilseeds and Pulses.
3.	Dr. G. P. Mishra Head & Principal Scientist	ICAR- Division of Seed Science and Technology, IARI, New Delhi	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Impact of Seed testing laboratories during quality regulation. 2. Maintenance of equipments and machineries in seed testing laboratory. 3. Precautions taken during testing of the seeds samples in the laboratory.
4.	Dr. S. K. Chakrabarty Principal Scientist	ICAR- Division of Seed Science and Technology, IARI, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Basics of the hybrid seed production. 2. Weed Seed Identification during purity analysis. 3. Physical Purity analysis of a seed lot.
5.	Dr. S. K. Yadav Principal Scientist	ICAR- Division of Seed Science and Technology, IARI, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Seed Sampling techniques principal and Procedures. 2. Use of tolerance in seed testing. 3. Genetic Purity testing of a Seed Lot through Grow Out Test.
6.	Dr. Atul Kumar Principal Scientist	ICAR- Division of Seed Science and Technology, IARI, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Introduction to ISTA rules. 2. Determination of Seed borne pathogens from a seed lot.
7.	Dr. Sangita Yadav Principal Scientist	ICAR- Division of Seed Science and Technology, IARI, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Testing of Vigourity of seed lot. 2. Verital purity testing through Bio-Chemical Method. 3. Distinctness Uniformity and Stability test in Paddy.

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8.	Dr. Sandeep Kumar Lal Principal Scientist	ICAR- Division of Seed Science and Technology, IARI, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Seed Sampling principal and procedure. 2. Seed Testing an Over view. 3. ISTA proficiency test programme.
9.	Dr. Vijay Kumar, H.P. Senior Scientist	ICAR- Division of Seed Science and Technology, IARI, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Preparation of International weed seed and other crops seed herbarium. 2. Does and Don'ts in seed testing laboratory. 3. Storage of guard seed samples.
10.	Dr. B. S. Tomer Head & Principal Scientist	ICAR- Division of Vegetable Science, IARI, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Strategic approach for improvement in vegetable crops-an over view. 2. Seed production of vegetable hybrids under protected condition. 3. Seed extraction methods in vegetable crops.
11.	Dr. A.D. Munshi Principal Scientist	ICAR- Division of Vegetable Science, IARI, New Delhi	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Hybrid seed production of fruit vegetables. 2. Testing seed germination of vegetable crops seed sample. 3. Seed invigoration of vegetable crops.
12.	Dr. G. P. Singh Director	ICAR- NBPGR, IARI, New Delhi	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Seed enhancement techniques in cereals. 2. Development of inbreed lines for hybrid seed production. 3. Import and Export of seeds and planting materials.
13.	Dr. Sushil Pandey Principal Scientist	ICAR- Division of Germplasm Conservation, IARI, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Storage of seed and planting materials. 2. Seed treatment for protection of seed quality and field performance
14.	Dr. Dilip Kr. Srivastava D.C. (QC)	Ministry of Agriculture & Farmers Welfare, New Delhi	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. An overview of Seeds Act (1966), Seeds Rule (1968) and Seeds (Control) Order (1983). 2. EXIM policy on seeds and planting materials. 3. Seed Certification system in India.
15.	Dr. Chandra Mohan A.C. (Seeds)	Ministry of Agriculture & Farmers Welfare, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. An overview of the annual seed planning on production and distribution. 2. Post Harvest Management of Vegetable seeds 3. Production of Quality seed on seed village concept in India.

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16.	Shri M. Gunshakaran D.C. (Seeds)	Ministry of Agriculture & Farmers Welfare, New Delhi	Seed Science and Technology	<ol style="list-style-type: none"> 1. An Overview of Plant Variety Protection and Farmers Right Act, 2001. 2. Intellectual Property Rights (IPR) & Trade Related Intellectual Property Rights (TRIPs). 3. Use of Distinctness Uniformity and Stability Test (DUST) during seed quality regulation.
17.	Dr. M. Bhaskaran Ex-Professor	TNAU, Coimbatore	Seed Science and Technology	<ol style="list-style-type: none"> 1. Seed Quality Regulation system in India. 2. Recent advancement in Seed Science and Technology and its impact on Global Seed Industry. 3. Biotic and Abiotic factors affecting seed quality during Quality Seed Production.
18.	Dr. R. Umarani Director	Seed Centre, TNAU, Coimbatore	Seed Science and Technology	<ol style="list-style-type: none"> 1. Advance techniques for determination of seed Vigour. 2. Seed enhancement techniques for better field performance. 3. Maintenance of equipments and Machineries.
19.	Dr. K. Raja Professor	TNAU, Coimbatore	Seed Science and Technology	<ol style="list-style-type: none"> 1. Biochemical changes during seed storage. 2. Seed invigoration in fruit vegetables. 3. Quality Seed production of asexually propagated seed and planting materials.
20.	Dr. C. P. Sachan Ex-Professor	C.S. Azad University of Agriculture and Technology, Kanpur	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Basic principles of seed production. 2. Factors affecting seed quality during seed production in Oilseeds and Pulses crops. 3. DUS test in Linseed crops.
21.	Dr. C. L. Maurya Dean College of Agriculture	C.S. Azad University of Agriculture and Technology, Kanpur	Seed Science and Technology	<ol style="list-style-type: none"> 1. Determination of physiological maturity in cereal crops. 2. Hybrid seed production technology in Paddy. 3. Hybrid seed production technology pulses.
22.	Dr. A L. Jatav Ex-Professor	C.S. Azad University of Agriculture and Technology, Kanpur	Seed Pathology	<ol style="list-style-type: none"> 1. An over view of seed health testing. 2. Current status and future prospect of seed health testing in India. 3. Indian Minimum Seed Certification standard for seed borne diseases.

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23.	Dr. Mahak Singh Director Seed and Farms	C.S. Azad University of Agriculture and Technology, Kanpur	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Breeder seed production system in India. 2. Hybrid seed production in Castor crop. 3. Hybrid seed production in Mustard.
24.	Dr. Sanjeev Kumar Singh Professor	C.S. Azad University of Agriculture and Technology, Kanpur	Vegetable Science	<ol style="list-style-type: none"> 1. Seed extraction methods in vegetables. 2. Breeder seed production in vegetables. 3. Assessment of the Physiological Maturity in Vegetables.
25.	Dr. P. K. Katiyar Head and Principal Scientist	ICAR-IIPR, Kanpur	Seed Science and Technology	<ol style="list-style-type: none"> 1. Seed testing of pulses crops. 2. Hybrid seed production in red gram. 3. Hybrid seed production in Rajmash.
26.	Dr. Aditya Pratap Singh Principal Scientist	ICAR-IIPR, Kanpur	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Quality seed production technology in black gram and green gram. 2. Seed production techniques in Hoarse and moth bean. 3. Seed production techniques in lentil and pea.
27.	Dr. C. N. Mishra Senior Scientist	ICAR-IIWBR, Karnal	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Quality seed production technology in wheat crop. 2. Quality seed production technology in Barley crop.
28.	Dr. Umesh Kamble Senior Scientist	ICAR-IIWBR, Karnal	Seed Science and Technology	<ol style="list-style-type: none"> 1. Quality seed production of fodder crops. 2. Establishment and operation seed industry.
29.	Dr. Dharendra Khare Dean College of Agriculture	JNKVV, Jabalpur	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Determination of purity and ODV of the seed samples. 2. Quality seed production of Oilseeds crop.
30.	Dr. Mohan Bhale Ex-Professor	JNKVV, Jabalpur	Plant Pathology	<ol style="list-style-type: none"> 1. Identification and management of storage fungi from a seed lot. 2. Detection techniques of the virus for a seed and planning material seed lot.
31.	Dr. Kalyan Rao Patil Associate Professor	Division of Seed Technology, AAU, Gujarat	Seed Science and Technology	<ol style="list-style-type: none"> 1. Estimation of Moisture content in seed lot. 2. New approaches to seed vigour testing. 3. Seeds Act (1966), Seeds Rule (1968) and Seeds (Control) Order (1983) an over view.

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32.	Dr. Rakesh Ganwar Associate Professor	Division of Plant Pathology, AAU, Gujarat	Plant Pathology	<ol style="list-style-type: none"> 1. Disease management during Quality seed production. 2. Management of Insects during Quality seed production. 3. Plant quarantine Act, 1914.
33.	Dr. K. Keshvullu Director	TSSOCA, Telangana	Seed Science and Technology	<ol style="list-style-type: none"> 1. An over view of ISTA accreditation. 2. Impact of OECD and EU equivalence on National and International seed industry.
34.	Dr. C. M. Abrol Professor	JNKVV, Jabalpur	Post Harvest Management	<ol style="list-style-type: none"> 1. Seed Processing principles and procedures. 2. Management and maintenance of seed processing plant. 3. Sealing, bagging and labeling of seed lot.
35.	Dr. Lalmani Verma Ex-Professor	C.S. Azad University of Agriculture and Technology, Kanpur	Farm Machineries	<ol style="list-style-type: none"> 1. Seed drying principal and procedure. 2. Importance of post harvest operations for seed quality assurance. 3. Disinfestations of seed storage.
36.	Dr. Sanjay Kumar Director	ICAR-IISS, Mau	Genetic and Plant Breeding	<ol style="list-style-type: none"> 1. Quality seed requirement, availability and supply chain in the Country-an over view. 2. Seed Quality regulation system in India. 3. Indian Seed Industry current status and future prospects.
37.	Dr. T. K. Behra Director	ICAR-IIVR, Varanasi	Vegetable Breeding	<ol style="list-style-type: none"> 1. Vegetable seed scenario in India-issues and challenges. 2. Vegetable seed production in leafy vegetables.
38.	Dr. Nakul Gupta Scientist	ICAR-IIVR, Varanasi	Seed Science and Technology	<ol style="list-style-type: none"> 1. Determination of Genetic Purity through GOT. 2. Determination of moisture content in seed sample. 3. Introduction of Seeds Act (1966) an over view.
39.	Dr. P. M. Singh Head & Principal Scientist	ICAR-IIVR, Varanasi	Vegetable Science	<ol style="list-style-type: none"> 1. Seed enhancement techniques in vegetables an over view. 2. Enhancing field performance and storability of seeds by coating and pelleting in vegetable seeds. 3. Testing of coated and pelleted seed lot.

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40.	Dr. Rajesh Kumar Principal Scientist	ICAR-IIVR, Varanasi	Vegetable Science	<ol style="list-style-type: none"> 1. Assessment of physiological maturity for quality seed in vegetable crops and its impact during post harvest management. 2. Seed extraction techniques in vegetable crops. 3. DUS test in vegetables.
41.	Dr. Rajshekhar Reddy Scientist	ICAR-IIVR, Varanasi	Genetic and Plant Breeding	<ol style="list-style-type: none"> 1. Quality seed production technology in cow pea and French bean. 2. Quality seed production technology in guard crops.
42.	Dr. P.K. Singh Professor	Department of Genetics and Plant Breeding BHU, Varanasi	Genetic and Plant Breeding	<ol style="list-style-type: none"> 1. Breeder seed production in cereals. 2. Maintenance breeding in Rice.
43.	Dr. S. K. Goyal Associate Professor	Department of Farm Machinery BHU, Varanasi	Post Harvest Management	<ol style="list-style-type: none"> 1. Post harvest masers for seed quality assurance. 2. Indian seed Industry problems and prospective. 3. Factor affecting deterioration of seeds during storage. 4. Seed Treatment –Principles and procedures.
44.	Dr. J. P. Rai Professor	Department of Mycology and Plant Pathology, BHU, Varanasi	Plant Pathology	<ol style="list-style-type: none"> 1. Objectionable pathogens in seed production. 2. Detection and management of seed born bacterial pathogens.
45.	Dr. S. K. Verma Associate Professor	Department of Agronomy, BHU, Varanasi	Agronomy	<ol style="list-style-type: none"> 1. Agronomic practices during quality seed production. 2. Minimization of Isolation distance during quality seed production.
46.	Dr. S. B. Singh Associate Professor	Department of Agronomy, BUAT, Banda	Agronomy	<ol style="list-style-type: none"> 1. Weeds management during quality seed production. 2. Role of Macro and Micro nutrients during quality seed production. 3. Excess water management during quality seed production under irrigated condition.
47.	Dr. Dandapani Raju Senior Scientist	ICAR-IIAR, New Delhi	Plant Physiology	<ol style="list-style-type: none"> 1. Recent advances in Genetic Purity testing of diverse crop plants using molecular and imaging techniques. 2. Determination of genetic purity through isozyme.
48.	Dr. C. Manimurugan Senior Scientist	ICAR-IIOR, Rajendra Nagar, Hyderabad	Seed Science and Technology	<ol style="list-style-type: none"> 1. Seed analysis Does and Don'ts. 2. Use of tolerance table in seed testing. 3. Other Distinguishable Varieties testing in a seed lot.

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49.	Dr. J. P. Lal Ex-Professor & Head	Department of Genetics and Plant Breeding BHU, Varanasi	Genetics and Plant Breeding	1. Quality seed production technology in Bengal gram. 2. Quality seed production technology in Pea.
50.	Dr. B. K. Sharma Professor	Department of Mycology and Plant Pathology, BHU, Varanasi	Plant Pathology	1. Seed Treatment and seed bio priming: Principals and Procedures. 2. Detection and management of seed borne pathogens. 3. Seed Borne pathogen and their detection.
51.	Dr. J.S. Chauhan Ex-ADG (Seeds)	ICAR, Krishi Bhawan, New Delhi	Botany	1. Indian seed sector an over view. 2. Seed Certification in India.
52.	Dr. S. K. Jain Ex-Principal Scientist	ICAR- DSST, IARI, New Delhi	Seed Science and Technology	1. Importance of seed testing. 2. Seed Germination principal and procedure. 3. Testing of coated and pelleted seed sample.
53.	Dr. S.S. Parihar Ex-Principal Scientist	ICAR- Division of Seed Science and Technology, IARI, New Delhi	Seed Science and Technology	1. Seed production techniques in medicinal crops. 2. Seed Production of Aromatic crops. 3. Quality seed production of spices crop.
54.	Dr. B. S. Gupta Ex-Senior Seed Certification Officer	RSSOPCA, Jaipur	Genetics and Plant Breeding	1. Field inspection in seed certification-An over view. 2. OECD seed certification in India-current status and future prospects. 3. Seed Certification system in India. 4. Major precautions for assuring seed quality during seed storage.
55.	Shri D.S. Gupta Ex-Deputy Commissioner (Seeds)	Ministry of Agriculture and Farmers Welfare, New Delhi	Genetics and Plant Breeding	1. Seed law enforcement for better seed quality. 2. Assessment of the purity of seed lot. 3. Determination of moisture content of the seed lot.
56.	Dr. S. N. Sinha Ex-Head and Principal Scientist	ICAR-Regional Centre Kernal	Entomology	1. Integrated management of insect pest in seed lot during storage. 2. Seed storage under controlled atmosphere (CA) and modified atmosphere (MA).
57.	Dr. Pradeep Kumar Senior Scientist	ICAR-CAZRAI, Jodhpur	Vegetable Science	1. Quality seed production of bulb crops. 2. Storage techniques of the Vegetable crops. 3. Hybrid seed production of Cole crops.

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58.	Dr. Kavita Sah Professor	Department of Environmental Science, BHU, Varanasi	Environmental Science	<ol style="list-style-type: none"> 1. Genetic purity testing through molecular techniques. 2. Techniques for testing of Bt. Cotton seed lot.
59.	Dr. Kavita Gupta Principal Scientist	ICAR-NBPGR, New Delhi	Agriculture Entomology	<ol style="list-style-type: none"> 1. Plant quarantine and its role under the International agreements. 2. Pest risk analysis: concepts.
60.	Dr. Ram Bhajan Ex-Professor	Department of Genetics and Plant Breeding, GBPUAT, Pantnagar	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Maintenance of inbred line for hybrid seed production in Mustard. 2. Hybrid seed production in Sunflower and Safflower. 3. Factors affecting seed quality during quality seed production of Oilseeds crop.
61.	Dr. P. K. Pandey Professor	Department of Genetics and Plant Breeding, GBPUAT, Pantnagar	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Production and maintenance of breeder seeds of pulses. 2. Seed Testing an over view. 3. Recent advances in quality seed production.
62.	Dr. G. Balasubramani Principal Scientist	ICAR- Central Institute for Cotton Research, Nagpur, Maharashtra	Plant Biotechnology	<ol style="list-style-type: none"> 1. Genetic Purity Testing through Molecular Techniques. 2. Techniques for Testing of Bt. cotton seed lot.
63.	Dr. G. Rohini Assistant Director Agriculture	TSSOCA, Hyderabad, Telangana	Seed Technology	<ol style="list-style-type: none"> 1. Preparation of Quality Manual for ISTA Audit 2. Procedure of ISTA Accreditation for Seed Testing Laboratory. 3. Handling and Maintenance of the Seed Testing Laboratory equipments and Machineries.
64.	Dr. S. S. Vaish, Professor	Deptt. of Mycology & Plant Pathology, Institute of Agricultural Sciences, BHU, Varanasi	Plant Pathology	<ol style="list-style-type: none"> 1. Detection and Management of Seed borne Nematodes 2. Important Diseases of Wheat seed crop and their management
65.	Dr. Jaydeep Halder Senior Scientist	ICAR-Indian Institute of Vegetable Research, Varanasi	Plant Pathology	<ol style="list-style-type: none"> 1. Important insect pests of Leguminous seed crops and their management.

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66.	Dr. Jameel Akhtar Principal Scientist	ICAR- Division of Plant Quarantine, National Bureau of Plant Genetic Resources, New Delhi	Plant Pathology	<ol style="list-style-type: none"> 1. Detection and Management of Seed-borne Viruses. 2. Detection techniques of Bunt and Smut in cereal seeds.
67.	Dr. Satyendra Kumar Singh Assistant Professor	Deptt. of Mycology & Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi	Plant Pathology	<ol style="list-style-type: none"> 1. Detection of Seed bore Pathogens through Molecular Markers.
68.	Dr. Rakesh Kumar Singh Assistant Professor	Deptt. of Mycology & Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi	Plant Pathology	<ol style="list-style-type: none"> 1. Detection and Management of Fungal diseases during Seed Storage.
69.	Dr. A. B. Rai, Ex- Principal Scientist	ICAR-Indian Institute of Vegetable Research, Varanasi	Entomology	<ol style="list-style-type: none"> 1. Important Insect- Pests and their Detection in Seed Lot. 2. Management of Insect Infestation in Seed Lots.
70.	Dr. Dharmendra Kumar Professor and Head	Deptt. of plant Pathology, Banda University of Agriculture and Technology Banda, Uttar Pradesh	Pathology	<ol style="list-style-type: none"> 1. Pathogen transmission and Mechanism of Seed Infection. 2. Epidemiology of Seed bore Plant Pathogens.
71.	Dr. A. N. Singh Principal Scientist	ICAR-Indian Institute of Vegetable Research, Varanasi	Entomology	<ol style="list-style-type: none"> 1. Insect Management during quality seed production of fruit vegetables. 2. Management of Insect Infestation in Seed Lots.
72.	Dr. Keerthi MC Scientist	Division of Entomology & Nematology, ICAR, Indian Institute of Horticulture Research, Bengaluru, Karnataka	Entomology	<ol style="list-style-type: none"> 1. Insect Pest Management in Vegetable Seed Production 2. Insect Pest Management in Seed Storage including Controlled Atmosphere/Modified Atmospheric methods for storage

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73.	Dr. Kartikeya Srivastava Assoc. Professor	Dept. of Plant Breeding and Genetics, I.A.S., Banaras Hindu University, Varanasi (U. P.)	Genetics and Plant Breeding	<ol style="list-style-type: none"> 1. Quality Seed Production of Varieties/Hybrids in Cole Crops 2. Genetic Purity Testing in Vegetable Crops
74.	Dr. P. Saidaiah Assoc. Professor	Dept. of Genetics & Plant Breeding, College of Horticulture, SKL Telangana State Horticultural University, Mojerla, Wanaparthy, Telangana.	Vegetable Science	<ol style="list-style-type: none"> 1. Quality Seed Production of Varieties/Hybrids in Okra & Cucurbit Crops 2. Quality Seed Production of Varieties/Hybrids in Tomato & Brinjal Crops
75.	Dr. Ram Kumar Singh Professor	Dept. Of Agronomy, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh	Agronomy	<ol style="list-style-type: none"> 1. Water Management practices during Seed Production with special reference to Cereal Crops. 2. Nutrient Management in Quality Seed Production of Cereals.
76.	Dr. Radhe Shyam Meena Assistant Professor	Dept. of Entomology & Agriculture Zoology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh	Entomology	<ol style="list-style-type: none"> 1. Management of Major Insect Pests of Cereals.

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77.	Dr. Ramesh Kumar Singh Professor	Dept. Of Agronomy, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh	Agronomy	1. Management of Weeds during Seed production with Special Reference to Cereal Crops
78.	Sh. Ratnakar Harichandan, Seed Certification Officer	Odisha State Seed & Organic Product Certification Agency	Seed Technology	1. An overview of Seeds Act (1966), Seeds Rule (1968) and Seeds (Control) Order (1983). 2. EXIM policy on seeds and planting materials. 3. Seed Certification system in India.
