SEEDLING NURSERY AUDIT CHECKLIST

N0.		ISSUE	STANDARD		
1	Category	1.1	Private non-commercial (no sale of seedlings)	Pass mark 60%	
		1.2	Public non-commercial (e.g Schools)	Pass mark 60%	
		1.3	Commercial (all nurseries that sell seedlings)	Pass mark 75%	
2	Production Capacity	2.1	Small scale commercial and individual tree nursery with an output of 5000-500,000 seedlings	Class 3	
		2.2	Medium scale commercial tree nursery with an output of over 501000-1000,000 seedlings	Class 2	
		2.3	Large scale commercial tree nursery with an output of over 1 million seedlings	Class 1	
	Source of seed		Indicate source of seed	Certified source	
Nurs	ery audit score				
N0.		ISSUE	STANDARD	Marks	Score
1	Accessibilit y	1.1	Is the road leading to the nursery trafficable?	0.5	
		1.2	Is there a nursery signpost?	0.5	
		1.3	Does the nursery design allow easy vehicles and people?		
				1.5	
1	Seed quality	1.1	Are the seeds true to type?	3	
		1.2	Are the seeds properly labeled?	1	
		1.3	Do the seeds look contaminated	5	
		1.4	Do you have seed storage facility?	2	
				11	
2	Seedling quality	2.1	Are seedlings well positioned/well centred in the pot relative to the root ball?	1	
		2.3	Is there one plant per pot? Is there a single, straight, sturdy and well centred seedling in the pot?	1	
		2.4	Absence of overgrown seedlings in	2	

					nursery/seedlin	-					
					n the previous s			_			
		2	2.5		here any sign of			2			
					cortions? Are the						
					anced and devel						
					ling in the pots?						
					sfactory root pl	ug					
		_			elopment?						
			2.6		the seedlings s			2			
		2	2.7		here a good Roo			2			
					2)? Are ready se		-				
				-	shoot twice the		?				
		2	2.8		the seed or trai			2			
					structed at the r						
					ght (at least 30c	-					
		_		_	litate proper ro						
		2	2.9	Is the	he nursery weed eds	led? Free from	1	2			
					there symptom	s of nutrient		2			
					iciencies (Color						
		2	2.10	_	nurseries raisin			2			
					us patula, Grev						
				Is to	ransplanting of	the germinated	1				
					dlings (pricking						
				gro	wing beds/pots	done with grea	at				
				care	e to prevent defe	ormation of the	e				
				roo	t system?						
								24			
3	Seedling Health					Level of seve	rity				
			3.1		Are there	10-15	5.	-9	Le	ss than	5
					incidences	seedlings		eedlings		edlings	-
					of plant	affected (1)		ffected (2)		fected (3)	
					pests of			,		ν- /	
					commercial						
					species						
					Species 1				3		
					Species 2				3		
					Species 3				3		
					Species 4		İ		3		
					Species 5				3		
					F		t		15	1	
			3.2		Are there						
					incidences						
					of plant						
1					diseases of						

		commercial			
		species			
		1			
		Species 1			3
		Species 2			3
		Species 3			3
		Species 4			3
		Species 5			3
					15
	3.3	For any	2		
		pests were			
		they			
		reported to			
		relevant			
		authorities			
		(KEFRI) and			
		appropriate			
		preventive			
		and control			
		measures			
		taken?			
	3.4	For any	2		
		diseases,			
		were they			
		reported to			
		relevant			
		authorities			
		(KEFRI) and			
		appropriate			
		preventive and control			
		measures			
		taken?			
	3.5	Are there	2		
	3.3	any	_		
		management			
		system,			
		knowledge			
		or effort to			
		control pest			
		and diseases			
					36
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4	Seedling care and	4.1	Are young seedlings put under shade after pricking out?	1	
	maintenance				
		4.2	Are the seedling well watered	1	

		4.3	Is root pruning done frequently?	1
		4.4	Is the nursery weeded? Free from	1
			weeds	
		4.5	Is hardening up properly done	1
				5
5	Record	5.1	Are seed and seedling purchase	0.5
	Keeping		records kept up to date? E.g. (date of	
			receipt, supplier, species, Lot No. etc.)	
		5.2	Are seed sowing and germination records/data recorded?	0.5
		5.3	Are financial transactions recorded?	0.5
			Payment vouchers, receipts, invoices etc?	
		5.4	Are activity records kept to date?	0.5
		5.5	Are fertilizers, pesticides and fungicides used recorded?	0.5
		5.6	Are pest and diseases incidence records made	0.5
		5.7	Are there records of the nursery stock	0.5
		5.8	Do they have an upto date visitors book	0.5
				4
6	Nursery beds	6.1	Are the beds well aligned in the East-West direction?	0.5
		6.2	Are the beds constructed at the recommended height and width?	0.5
		6.3	Is each bed clearly labelled with species and sowing details?	0.5
		6.4	Are the beds partitioned for easy stock taking as well as maintenance?	0.5
		6.5	Is shade provided to the seedlings?	0.5
		6.6	Are the beds free of weeds?	0.5
				3
7	Growing media and potting	7.1	Are pots used of the recommended sizes	0.5
		7.2	Do the tubes have perforations to allow for excess drainage?	0.5
		7.3	Is the media freely draining?	0.5
		7.4	Is the media cohesive for transport?	0.5
		7.5	Is the soil ball around the roots stable?	0.5
				2.5
8	General Nursery hygiene/neatn	8.1	Is the nursery and its surrounding clean and tidy?	1
	ess	8.2	Is there a rubbish pit? Is Waste/Refuse	1
		0.2	15 there a rubbish pit: 18 waste/refuse	1

			disposed of in an appropriate manner?	
		8.3	Is the nursery well drained?	1
				3
9	Environment	9.1	Are there alternative /innovative potting materials used in the nursery	0.5
		9.2	Are the potting materials disposed off in an appropriate manner? Does the nursery recycle, re-use or bury old polythene pots?	0.5
		9.3	Are there no signs of erosion in the nursery?	0.5
			·	1.5
10	Water quality & quantity	10.1	Is the water used clean and clear of suspensions?	0.5
		10.2	Are there adequate water storage facilities?	0.5
		10.3	Does the nursery have a reliable water source?	0.5
		10.4	Do they use the right watering equipments/tools?	0.5
				2
11	Nursery protection	11.1	Is there a fence to protect the nursery from animals and other intruders?	1
		11.2	Is the nursery protected from wind damage?	1
		11.3	Does the nursery quarantine plants from other nurseries? Is there isolation from other plants?	1
			•	3
12	Workers' welfare	12.1	Are workers provided with appropriate clothing and Personal Protective Equipment (PPE)?	0.5
		12.2	Is drinking water provided?	0.5
		12.3	Are workers provided with a shade to carry out some operations?	0.5
		12.4	Is ergonomics taken into consideration in the working environment?	0.5
		12.5	Is there a toilet for workers and other nursery visitors?	0.5
		12.6	Is there a complete(well-stocked) First Aid kit at the nursery	0.5
		12.7	Is there a trained First Aider with valid training certificates?	0.5
		12.8	Are employment contracts available for employees? Is a signed copy of the	0.5

			formal work contract available?	
				4.5
13	Stores	13.1	General appearance and cleanliness of storage area: Is the store well organized. Are there shelves to clearly separate tools, Safety equipment, chemicals, food etc?	2
		13.2	Is the tools register kept up to date?	1
				3
14	Skills o nursery manager	f 14.1	Evidence of having attended a training in nursery management from a recognized institution	3
				100