

Government of Andhra Pradesh
Forest Department

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Office of the Chief Conservator
of Forests, Andhra Pradesh, Hyd

Sri Munawar Hussain, I.F.S.
Chief Conservator of Forests

Circular No. 9/82.

Sub:- Social Forestry Nurseries - Proper maintenance of
nurseries and nursery journals - instructions issued.
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During the recent inspections of Addl. Chief Conservators of Forests (Social Forestry), a number of nurseries raised under N.R.E.P., Rural Fuel Wood Plantations, programme, Make India Green etc., programmes in different Forest divisions of the state, it was noticed that in a majority of the cases, the nurseries are not being maintained properly with proper identification of the Polythene bag nursery beds, nor the nursery journals are being maintained properly. The following Circular instructions are therefore issued for strict compliance., with immediate effect.

1) The nursery should be divided into a number of sectors based on the layout of the nursery, using roads, paths and other prominent features as sector lines. Normally in a nursery of about one lakh seedlings, there could be 2-3 sectors. The individual sectors should be given serial numbers, starting with the sector on the left hand side as one enters the nursery and continued in a clock wise direction. Where the sectors are arranged in more than two rows the serial numbers could be continued from bottom to the top in each row in a consecutive manner. The sector number should be in Roman characters and should be prominently displayed at the top of the display sign which should be fixed in front of each of the beds.

2) Each of the polythene bag beds should normally contain a constant number of bags depending on the layout of the nursery. It would generally be convenient to arrange about 2000 polythene bags in each bed. The advantage of such an arrangement is that the total number of polythene bag seedlings raised in the nursery could easily be found out by multiplying the number with a number of beds. Each bed in each sector must be given a serial number in Arabic numerals and the number of beds in the entire nursery given a continuous serial. There could thus be say 4 sectors and 40 beds in all.

3) A single bed should consist of only seedlings of one species, and there shall not be mixing up of species in same bed. Beds of the same species should invariably be kept in one place in one or more sectors as necessary but not scattered about in different sectors, with beds of other species mixed up.

Nursery Journal maintenance:- It is observed that the Nursery journals are maintained more in name, with hardly any information relating to the total number of beds raised, number of bag plants raised and number of primary beds raised, in all species wise, dates of sowing in the primary beds or directly into polythene bags, bed wise and species wise, dates of picking out of primary seedlings into polythene bags bed-wise, and species wise, quantity of seed sown per primary bed or number of seeds sown directly into the polythene bags, pre-treatment if any given to the seed before sowing etc. which is

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all very useful information, for any one who wants to know the full history of the nursery and the chronological sequence of events that occurred in raising the nursery. The source from where the seed is obtained with specific details of the provenance of the seed, if known, cost of seed per kg, if purchased, quantity purchased and source etc., should also be entered in the nursery journal. Similarly the source from which the polythene bags have been purchased, the gauge and size of the polythene bags used should be clearly indicated in the journal.

In the nursery journal, separate pages (a number) should be provided for each species, and all information relating to that particular species entered only in those pages earmarked for that species. While furnishing information for each species separately in the Journal, dates on which the polythene bags were filled, dates on which seed was either directly sown or seedlings pricked out into the bags in the case of direct sowing of seeds date of sowing and germination of the seeds, should also be indicated.

Unless all the above information is furnished in the Nursery journal, the journals will not serve any useful purpose, and will be only a record of expenditure incurred date-wise and voucher-wise if at all (as in mostly the current practice) which is of no particular interest to the visiting officers, who would be mostly interested in knowing the various operations done, time of undertaking such operations, and results obtained thereof.

On the sign plate made of sheet metal to be fixed in front of each bed, information relating to the number of bags in the bed, date of sowing seed or pricking out of seedlings, should be indicated. The sign plate should be painted black, and written with white paint letters. The sector number and the bed number should also find their place on the sign plate, along with the above details.

Where the nurseries are newly developed, the journal should also contain all relevant information relating to expenditure incurred and sequence of efforts relating to developing water sources and other infrastructure for watering the plants, construction of seed stores etc. A very important item in the nursery journal is a sketch to scale, indicating the layout of the nursery with division of the nursery into sectors and the arrangement of the beds in each sector. This could easily be done on a graph paper.

If in a single nursery, seedlings are raised using funds under more than one programme like, NREP, DPAP, RFWP, Make India Green etc. full details must be furnished in the journal of the total number of species and seedlings and species wise also being raised in that nursery under each of these programmes. Similarly full details must be furnished in the journal of the total number of seedlings and also species wise being raised there in for (1) Departmental Planting (2) for distribution to the public and (3) for other special purposes if any (ie., for other agencies like I.T.D.A., S.C. Corporation etc.) where seedlings are being raised for departmental planting, the location and extent of individual plantation to be raised using these seedlings should be mentioned in detail, along with full information on such seedlings to be used for replacement of Casualties if any in previous year plantations their location, extent and percentage of replacement. A copy of sanctioned estimate for the year for raising must invariably be pasted in the journal. Similarly a copy of sanctioned estimate for maintaining the nursery (April to June/July) should also be pasted in the Journal.

A proforma for maintenance of the nursery journal is appended which should only be need for these journals. All Nursery journals for 1981-82 (raising) and 1982-83 (maintenance) should be rewritten at once as per above proforma.

All the officees are requested to acknowledge the receipt of the circular at once.

Sd/- A.L.Rao,
Addl. Chief Conservator of Forests
(Social Forestry)

:: PROFORMA FOR MAINTENANCE OF NURSERY JOURNALS

The following shall find a place in each nursery journal in serial wise-

1. A surveyed sketch of the Nursery to scale divided into sectors etc. to be pasted on the inside cover of the journal.
2. Index - Page - I.
3. General history of the Nurser - Page. 2.
4. ii) Mention here the year the nursery was started, its exact location etc., and infrastructure developed, cost incurred for such etc.
4. Statement of number of seedlings proposed to be raised, species wise during the year, indicating seperately polythe bag plants, pot plants, naked seedlings etc.
5. Species wise information - 2 to 3 pages may be allotted for each species proposed to be raised in the nursery. Full information should be furnished under each species ~~xx~~starting with date of sowing if any in the primary beds, date of germination, pricking out into bags, or pots, replacement of casualties, topping of the seedlings if any, and details of watering etc. etc.
If pricking out is done batches over a period - details should be furnished of the number of bag plants as pricked out each time.
Information should also be furnished under this about special problems if any that arise like mortalities due to fungus, insects or other causes and steps taken to control the same.
6. Expenditure incurred, in a table statement with month-wise particulars along with a copy of sanctioned estimate for the nursery.
7. Observations of Range Officer during the inspection of Nursery to be recorded in detail - species wise.
8. Observations of Divl. Forest Officer/Conservator of Forests on inspection of the Nurseries.
9. Action taken by the Range Officers to ratiry defects onissions etc. pointed out by the Divl. Forest Officers/Conservator of Forests during the inspection to be recorded in detail.

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