

**GOVERNMENT OF ANDHRA PRADESH  
ABSTRACT**

FOREST DEPARTMENT – A.P. Forest School, Yellandu – Rules – Revised and re-issued.

**ENVIRONMENT FOREST SCIENCE & TECH. (FOR-IV) DEPARTMENT**

G.O.Ms.No. 20

Dated: 21.02.1997

Read the following:-

1. G.O.Ms.No.1570 F & A Department, Dt.: 09-07-1993.
2. From the Prl. CCF, Ref.No.81508/A3: 27-11-1991.
3. From the Prl. CCF, Ref.No.81508/A3: 11.09.1992.
4. From the Govt. of India, Ministry of Eng. & Forests, Directorate of Forest Education, P.O. New Forest (Dehra Division) Lr.No.15-44/91/DFT, dt: 13-09-1994.
5. From the Prl. CCF, Ref.No.81508/AA1, dt:21-03-1995.

**ORDER:-**

The Prl. Chief Conservator of Forests, in the letter and read above, has submitted revised draft rules for the A.P. School of Forestry as amended from time to time, and requested the Government to issue the Revised Rules for effective functioning of the A.P. School of Forestry.

Government have examined these rules in consultation with Finance & Planning (F.W.)/Law Department and have decided to issue the Revised Rule called “A.P. School of Forestry Rules” as detailed in the Annexure to this order. The Old Rules issued in the G.O. first read above, are deemed to have superceded with the Revised Rules, now issued.

**//BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH//**

**Dr. C.S. RANGACHARI,  
PRINCIPAL SECRETARY TO GOVERNMENT  
//True Copy//**

**GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT**

Endt.No.81508/88-AA1  
Dated:22-04-1997.

Office of the Prl. Chief Conservator of Forests,  
Aranya Bhavan, A.P.HYD.

**Sri S.D. MuKherji, I.F.S.,  
PRINCIPAL CHIEF CONSERVATOR OF FORESTS.**

Communicated for information and necessary action.

**Sd/- Md. Sultan Mohiuddin,  
for Prl. Chief Conservator of Forests.**

To

All the Conservator of Forests.  
Conservator of Forests and Principal, A.P. School of Forestry, Yellandu.  
Copy to the table of Chief Conservator of Forests (SF),  
Copy to the Superintendent ‘U’ Section / A-Section.  
Copy to the Stock file / Spare (5)

**//True copy//**

**GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT**

Rc.No.686/97/S3  
Dated: 18.06.1197

Office of the Conservator of Forests  
and Principal, A.P.S.O.F., Yellandu.

**Sri R.P. Khajuria, IFS,  
I/C Principal,  
A.P. School of Forestry, Yellandu.**

Communicated to Lecturers and Instructors.

Sd/- R.P. Khajuria,  
I/C. Principal,  
A.P. School of Forestry, Yellandu.

**// T.C.B.O. //**

**Superintendent**

**GOVERNMENT OF ANDHRA PRADESH**  
**Environment, Forests, Science & Technology (For.IV) Department.**

In suppression of the Rules for A.P. Forest Academy, Yellandu issued G.O.Ms.No.157, F and A Department, dated the 9<sup>th</sup> July, 1963 as amended from time to time, the Government of Andhra Pradesh hereby makes the following Rules for the Andhra Pradesh School of Forestry.

1. These rules may be called the Andhra Pradesh School of Forestry Rules’.
2. These rules shall be applicable to the Andhra Pradesh School of Forestry. The School which is now located at Yellandu Khammam District can be shifted to another place by an order of the Government of Andhra Pradesh.
3. The School shall be under the control of the Conservator of Forest who is incharge of training i.e. Research and Training or Research and Development as the case may be.
4. (a) The administration of the School shall be under the control of a Board, the constitution of which is as follows:-
  - i) Chief Conservator of Forests incharge of Education and Training (Chairman).
  - ii) Chief Conservator of Forests incharge of Training (Controller).
  - iii) Conservator of Forests of the concerned Circle where the School is located (Member).
  - iv) Principal, Andhra Pradesh School of Forestry (Member)
  - v) Divisional Forest Officer of the concerned Territorial Division where the school is located. (Member).

(b) The Chairman may co-opt any other Officer as a Member of the Board, if felt necessary.

5. The Board shall meet at least twice a year at the school in the last week of the term of training of Forest Guards/Foresters so that results could also be finalized besides other matters. In the absence of the Chairman of the Board in a particular meeting the senior most member will act as Chairman in that meeting and the proceedings of such meeting shall be subject to approval of the Chairman of the Board.

6. The period of Forest Guards training session in six months and the period of Foresters training session is one year and the training sessions shall be as follows:

(a)	Forest Guard Session:	Ist session From the 1 <sup>st</sup> October to 31 <sup>st</sup> March IInd session: From the 1 <sup>st</sup> April to 30 <sup>th</sup> September.
(b)	Foresters Session:	From 1 <sup>st</sup> April to 30 <sup>th</sup> September

7. Examiners of Foresters:

The Chairman, Board of Control will nominate the examiners for Foresters and the Controller i.e. Conservator of Forests incharge of Training, will nominate the examiners for Forest Guards.

8. Principal and Other Teaching Staff:

The teaching staff of the school shall consist of the following:-

- 1) Principal
- 2) Lecturers (ACF Cadre)
- 3) Assistant Lecturers (FRO Cadre)
- 4) Physical Training Instructor
- 5) Engineering Lecturer

There will be six Lecturers and Two Asst. Lecturers.

9. A direct recruits IFS Officer in the Senior Time-scale in Conservator of Forests Scale shall only be posted as PRINCIPAL of the School, who will be incharge of immediate administrative control of the School. He will exercise the powers of a Divisional Forest Officer as far as the School Organisation is concerned. He shall teach at least one subject to Foresters and one subject to Forest Guards.

10. (i) A direct recruitee Stee Forest Service Officer of Assistant Conservator of Forests rank only is to be posted as Lecturer. A directly recruited Range Officer who is a Science Graduate, is to be posted Assistant Lecturer of the School. However, the Officers with Masters Degree are to be preferred for both i.e. the posts of Lecturer and Assistant Lecturer.

(ii) The Engineering Lecturer will be of the rank of Assistant Executive Engineer who can be taken on deputation from Engineering Department.

11. All members of the teaching staff of the school will be responsible to the Principal for carrying out the prescribed scheme of training and maintaining discipline. The will also attend to the teaching work allotted to them from time to time by the Principal. The other members of the Staff of the School and the trainees shall also be under the direct control of the Principal of the School.

12. Rent free accommodation shall be provided to all staff members including the non-teaching staff. The accommodation shall be within the School premises or nearby. If Government accommodation is not available, the Principal is empowered to take buildings on rent and allot to the staff. The water, electricity and service charges shall however be paid by the occupants. The School will also provide appropriate rent free accommodation to the trainees. Apart from providing rent free accommodation, the inservice trainees shall be paid the HRA to enable to keep their families at the place of posting from where they were deputed for training.

13. The maximum number of states to impart Foresters training will be 90 per session and 90 for Forest Guards training per session. The number of seats however may be increased temporarily by the Board by providing additional infrastructure and staff, if required.
14. (i) The selection of trainees for each session will be made from amongst the list of untrained inservice Dy. Range Officers, Foresters and Forest Guards as the case may be prepared in order of seniority of the Division\Circle to which they belongs.  
(ii) Besides, this Foresters and Forest Guards selected for appointment by direct recruitment will also be deputed for training before regular appointment.  
(iii) The School will also train such of the Foresters and Forest Guards or personnel equal in status as those obtaining in the Departmental cadres, sponsored by Andhra Pradesh Forest Development Corporation, Urban Development Authority, Schedule Caste Corporation and other such organizations after obtaining prior permission from the Principal Chief Conservator of Forests, depending upon the availability of seats after the needs of the Department are met.
15. Exemption from undergoing training to the in service Dy. Range Officers, Foresters and Forest Guards on any grounds, including Medical grounds, may be granted by the Principal Chief Conservator of Forests. The exemption on Medical grounds may be considered only on the certificate issued by the concerned District Medical Board. Such of those who are exempted in a particular session should invariably attend the next session.
16. A candidate selected for training shall not be allowed to rejoin duty in the division until, he successfully completes the course or unless he had been duly exempted by the Principal Chief Conservator of Forests.
17. The candidates wantedly avoiding to join the Training session in the School shall be liable for disciplinary action.
18. All untrained Dy. Range Officers, Foresters and Forest Guards will have to undergo their respective courses of training. These, who are (50) years of age and above as on the date of commencement of training will however be exempted from training provided they relinquish all future promotions and benefits that accrue but for undergoing training.
19. Trainees admitted to the training shall stay in the accommodation provided by the school.
20. All selected trainees will have to report at the school on the date of commencement of training. Those reporting after one week will not normally be admitted, unless their case is recommended by the concerned Conservator of Forests in whose administrative control they were working at the time of their relief.
21. The Principal of the Schools empowered to send any of the trainee, who, after a period of two months is found not following the instructions or unable to understand the contents of the course, back to his parent division after duly recording the reasons and with the permission of the Chairman, Board of Control. In such a case, the trainee will have to refund the amount spent by the Government on his training. He may however be permitted by Principal Chief Conservator of Forests from training as per the Rule 34(i).

22. All trainees are required to executive surety bond and Agreement in the prescribed form in Annexure-I and Annexure-II before they join the School binding themselves to serve the Government for five years after training is completed. The amount of bond to be taken in each case is as follows:-

- |     |                                     |            |
|-----|-------------------------------------|------------|
| i)  | Deputy Range Officer and Foresters. | Rs.5,000/- |
| ii) | Forest Guards                       | Rs.2,500/- |

23. The trainees will be granted allowance for journeys to and from the School and on tours according to existing Government Rules.

24. The medium of instructions in the Training Course is Telugu for Forest Guards and English for Foresters. The promoted Foresters are permitted to write the examination in Telugu or Urdu also.

25. (i) Subjects to be taught, detailed syllabus and course contents for Foresters training are as mentioned in Annexure-III and for Forest Guards is as mentioned in Annexure-IV.

(ii) Any alteration, modifications or changes in the syllabus shall be made by the Government in consultation with the Principal Chief Conservator of Forests on the recommendations made by the Board of Control.

26. The Principal is empowered to invite Guest Speakers on various subjects. The Guest speakers will be paid honorarium at the rates of Rs.100/- per lecture for Forester trainees and Rs.50/- per lecture for Forest Guard trainee.

27. The allotment and distribution of time for various items during the training sessions may be approximately as follows:-

- |     |                                   |            |
|-----|-----------------------------------|------------|
| i)  | Foresters Training:               |            |
|     | Headquarters Lecture Classes      | - 125 days |
|     | Tours, Field Work & Practicles    | - 150 days |
|     | Sundays and Holidays              | - 90 days  |
|     |                                   | 365 days   |
| ii) | Forest Guards Training:           |            |
|     | Headquarters Lectures and Classes | - 50 days  |
|     | Tours and Field work.             | - 87 days  |
|     | Sundays and Holidays              | - 45 days  |
|     |                                   | 182 days.  |

28. The Principal Chief Conservator of Forests to empowered to alter the allotment of time specified above. On the recommendations of the Board of Control. The Principal of the School is empowered to close the School for maintenance of the buildings etc., for a period of two weeks in two spells i.e., once in six months.

29. **Examinations, Certificates and Prizes:**  
**Foresters' Training:**

- (a) Final examinations will be held in respect of (8) subjects viz:- (1) Social Forestry (2) Forest Protection (3) Forest Mensuration (4) Forest Law (5) Geology and Social Science (6) Accounts and Office Procedure (7) First Aid and (8) Survey and Drawing towards the end of 1<sup>st</sup> term.
- (b) Final examinations for the balance subjects will be held at the end of the training session.
- (c) If any trainee fails in the final examination in not more than three subjects moderation marks can be allotted by the Government to an extent of 10% of the marks allotted for the subject or 10 marks, whichever is more, after recording just reasons for the same. However, even after the addition of such moderate marks, the order of original merit or standard passing shall remain unaltered. The question papers in the final examination will be set by the external examiners only in case of Foresters.

The Examiners will send all the written answer books after valuation along with the result sheets on or before 20<sup>th</sup> of March and 20<sup>th</sup> September as the case may be, to the Chairman, Board of control in a sealed cover. The Principal of the School will at the same time, send the marks for the conduct and character of the trainee to the Chairman, Board of control in a separate sealed cover.

30. The following maximum marks are allotted for the various subjects for the Foresters training.

S.No.	Name of the Subject	1 <sup>st</sup> term marks	Final term marks	Total
01.	Social Forestry, Extension Education & publicity	100	--	100
02	Forest Protection including Wireless network use of weapons and vehicles.	50	--	50
03	Forest Mensuration	50	--	50
04	Forest Law	100	--	100
05	Geology & soil science	50	--	50
06	Accounts & Office Procedure	100	--	100
07	First Aid – Hygiene	50	--	50
08	General Silviculture & Silviculture of species	--	150	150
09	Forest Management Silviculture systems and working plans	--	150	150
10	Forest Utilisation and Logging	--	150	150
11	Forest Engineering Theory	--	100	125
	Practical	--	25	
12	Forest Botany Theory	--	100	150
	Practicals	--	50	
13	Forest Survey & Drawing			
	Theory	50	--	150
	Practicals	75	--	
	Plates	25	--	
14	Wild Life Management	--	100	100
15	P.T. Games, Musketry & Martial arts	--	60	60
16	Conduct & Character	30	30	60
17	Marathon Race	--	30	30
18	Tour examinations and practicals	75	75	150
		755	1020	1775





31. The following are the maximum marks for the various subjects for the Forest Guard training.

S.No.	Subjects	Maximum Marks
01.	Silviculture, Social Forestry Extension, Educaiton	75
02.	Forest Botary	75
03.	Forest Utilisation	75
04	Forest Protection	75
05	Forest Management & Extension.	75
06	Geology and Soil Science	50
07	Engineering	50
08	Forest Law	75
09	Forest Survey	75
10	Accounts & Office Procedure	75
11	First Aid Hygiene	25
12	Wild Life Management	50
13	Tour examination	75
14	Tour Journals	15
15	Herbariam	10
16	P.T. and Sports	25
17	Marathon race	25
18	Conduct and Character	50
		975

32. Marks for conduct and character will be allotted by the Principal in respect of both the Foresters & Forest Guards.

**(a) Certificates:-**

1. **Foresters:-** On completion of training one of the following kinds of certificates will be awarded to the Forester trainees, according to the results obtained by them. For Forester trainees the minimum pass marks will be 40% in each subject.

- i) **Honours Certificates:-** For the those who obtain not less than 75% marks in aggregated and not not less than 50% marks in each of the subjects.
- ii) **Higher Standard certificates:-** For whose who obtain not less than 60% marks in aggregate and not less than 45% marks in each of the subject.
- iii) **Lower standard Certificate:-** The other trainees who pass the Examination will be given lower standard certificate.

**2. Forest Guards:-**

For Forest Guard trainees minimum pass marks will be 40% in each subject.

The Final examination for Forest Guards will be an oral one. There will be two types of certificates to be awarded to the pass in the Forest Guard training.

- i) 1<sup>st</sup> Class - 60% and above.
- ii) 2<sup>nd</sup> Class - 40% above and below 60%.

(b) The following prizes will be awarded at the end of the course for the Forester trainees:-

1. Gold Medal to the trainee who gets highest total number of marks in the class from amongst the Honours Certificate holders and if nobody gets Honours certificate, from amongst the Higher standard certificate holders, as the case may be.
  2. Prizes for all those trainees who obtain Honours Certificate.
  3. Silviculture Prize for the trainee getting highest number of marks in Silviculture.
  4. Forest Utilization prize for the trainee getting highest number of marks in Forest Utilisation.
  5. Forest Management prize for the trainee getting highest number of marks in Forest Management.
  6. Forest Botany prize for the trainee getting highest number of marks in Forest Botany.
  7. Marathon Prize for the trainee who tops in the Marathon race.
  8. Environment and Wild Life prize for the trainee who gets highest number of marks in Environment and wild life.
  9. The best alrounder prize to be decided by the Chairman, Board of Control.
  10. And any other prize that may be instituted with the approval of the Chairman, Board of Control.
33. If the certificate granted by the Board of Control is lost and a duplicate copy is required, such duplicate copy will be granted by the Principal on receipt of a fee of Rs.10/-.
- 34(i) In case any trainee is unable to appear for the examination through he has undergone the full courses of training he may be permitted by the Principal Chief Conservator of Forests on the recommendation of Board of Control, to attend the examinations along with the next batch without undergoing training a second time and if he falls, he will be treated as failure candidate.
- (ii) If the trainee has undergone only a part of the training and could not attend the examination, he may be permitted by the Principal Chief Conservator of Forests on the recommendation of Board of Control, to undergo training in the next batch is full and appeal for the examination treating it as first attempt.
35. The Principal is authorized to incur an expenditure of Rs.4,000/- in each of the session of Forest Guards course and Rs.5,000/- on Foresters' course for giving prizes and meeting expenditure on the final day function.

36. **Hostels:-**

- i) The trainees on arrival at school will be provided with lodging accommodation by the Principal.
- ii) The trainees must abide by the Hostel rules and also should obey and orders issued by the Principal from time to time.
- iii) Trainees will be called for the roll call every day at 9.00 P.M. They shall not be absent from the Hostel premises after 9.00 P.M. without the permission of the principal.
- iv) To help in the internal administration of the classes, each trainees will work by rotation, as an orderly trainee every week.
- v) A trainee will be held responsible for the loss or damage of any Government article kept in his charge and the cost or value of the article lost shall be recovered from him.
- vi) No trainee will be allowed to keep any guest in the Hostel without the written permission of the Principal.

### **DRESS AND EQUIPMENT :-**

37. The Forester trainees shall wear the prescribed dress as per the rules in vogue except that they wear green beret cap.

38. The Forest Guard trainees shall wear the prescribed dress as per the rules in vogue except that they wear khaki beret cap.

39. The following articles shall be purchased by the Principal of the School & provided to each of the trainees.

1.	P.T. Dress:	White "T" shirts	-	2 Nos.
		White shorts	-	2 Nos.
		White canvas shoes	-	2 Pairs
		White socks	-	2 Pairs
2.	Sports Dress:	Sports jersey	-	2 Nos. (School colours with emblem)
		White shorts	-	2 Nos.
3.	Field equipment"	1. Haversack 2. Water bottle 3. Bill Hook, 4. Diematter tape, 5. Ordinary tape, 6. Field compass, 7. Field boots & Patties, 8. Barest Caps 2 Nos. 9. Shoulder badges, 10. Belt, 11. Whistle with card 12. Class room equipment, 13. All lecture notes, 14. Flora of Andhra Pradesh (Book)		

40. The dress and equipment should always be kept neatly and in perfect order and the services of the school dhobi will be made use of, for this purpose.

41. All Forester trainees will be required to keep their bicycles, if any, for use on tours and at Head Quarters. The bicycles should be brought by them.

42. Books and other equipment, not indicated in Rule 39 if prescribed by the Principal, shall be purchased by the trainee.

43. Each trainee shall be paid not more than Rs.500/- as Bonus and equipment allowances, which is non-recoverable.

#### **44. Leaves:-**

i ) No trainee shall proceed on leave while at Head Quarters or while on tour without prior written permission of the Principal.

ii) Normally no leave will be granted except for very special reasons.

iv) In case a trainee is found unfit or unable to attend the classes or to perform any outdoor work on health reasons, he should produce a Medical Certificate from the Medical Officer, working in the school dispensary.

45. **Holidays:-**

Normally, all the approved Public Holidays at Head Quarters will be observed as non-working days. While on tour, the Principal has discretion to declare any day as holiday for reasons to be specified.

46. **Physical training and Games:-**

All trainees shall be members of the School of Athletic Club, Physical training and evening games are compulsory at Head Quarters as well as in campus. Games such as Hockey, Foot ball, Cricket and Physical Drill are compulsory for both Forester and Forest Guard trainees.

47. **Punishments:-**

The Principal shall exercise the powers of a territorial Divisional Forest Officer and the Chairman, Board of Control shall exercise the powers, of appellate Authority for the purpose of disciplinary action against the trainees under Andhra Pradesh Civil Services (C.C.A.) Rules on matters arising out of the issues relevant to the training.

48. **Museum:-**

The trainees will be permitted freely to make use of the Forest Museum.

49. The Principal is empowered to engage to part time Medical Attendant for providing medical facilities for the trainees and staff of the School.

**Dr. C.S.RANGADHARY,  
PRINCIPAL SECRETARY TO GOVERNMENT.**

**//True Copy//**

**Superintendent**

”””

## ANNEXURE-I

### **SURETY BOND TO BE EXECUTED BY TRAINEES ALREADY IN THE SERVICE OF GOVERNMENT PREVIOUS TO ENTRY INTO THE ANDHRA PRADESH SCHOOL OF FORESTRY.**

#### **KNOW ALL MEN BY THESE PRESENTS THAT WE**

(a) of (b)  
Principal oblige  
(c) of (d)  
(c) of (d)

(Surities) are jointly and severally liable to the Government of Andhra Pradesh in the sum of rupees five thousand\two thousand and five hundred to be paid to the Government of Andhra Pradesh, his successors in Office of assigns or his or their certain attorney for which payment will and truly to be made, we bind ourselves, our heirs, executors administrators and representatives and each of us binds himself with his hairs, executors, administrators and representatives firmly by these present sealed without seal end date this day of 19 .

Whereas the Governor of Andhra Pradesh for himself and his successors in office and assigns has engaged to deocate the said (a) at the Andhra Pradesh School of Forestry, Yellandu, in all matters relating to Forest Service Forest works and Forest administration that it may be deemed necessary by the Principal / Senior Instructor of the said School to teach the said (a) and has also agreed to pay him during the whole period of this stay at the said school at and after the rata of rupees per month and where as the cost of such education without any such allowance being included is estimated to be rupees Five thousand \ two thousand and five hundred, which shall be taken to be the actual cost for the purpose of these presents and where as in consideration of such education and pay to be given to be said (a) aforesaid by the said Governor of Andhra Pradesh and his successors in office and assigns that he will hereafter successfully completing his studies at the said school and if required to do so serve in the Forest Department of the Government of Andhra Pradesh for a period of not less than five years during the whole of which time he will diligently and efficiently to all acts and discharge all duties.

Which may be required of him to done in his capacity as an Officer of the said Department. AND WHEREAS the said Governor of Andhra Pradesh has also on his part agreed that the said (a) shall be paid for such servide at and after the rate admissible to a Forester/Forest Guard under the rules and shall be entitled to all their rights and previlagers in respect of pension and promotion accorded to Officers of the aid department for the time being by the rules and regulations of the Department. And whereas for the purpose of securing and indemnifying the said Governor of Andhra Pradesh, his successors in office and a signs against all losts and damage which he or they might or may in any way suffer by reason of the said (a) leaving without permission the service of the said Governor of Andhra Pradesh, his successors in office or assigns in less than five years after the completion of his studies at the said school and for the purpose also of securing the refund to the Governor of Andhra Pradesh his successors in office and assigns of the total cost

including the monthly payment made to the said (a) while at the said school incurred by the said Governor of Andhra Pradesh, his successors in office or assigns in respect of the education of the said (a) at the said school and in consideration of the payment and education so as aforesaid to be made and given to the said (a) to the said school, it has also been agreed that the said (c) sureties should executive the above written bonds subject to the condition hereinafter contained. Now the conditions of the above written bond or obligation is such that if the said (a) shall well and faithfully and delignently pursue his studies and at the said school and quality for the said Forest Service and shall also after completing his studies at the said forest school and if so required to serve the Governor of Andhra Pradesh, his successors in office and assigns in the Forest Department of the Government of Andhra Pradesh for a period of not less than five years and shall during the whole of such period diligently and officiently do allacts and discharge all duties which may be required to be done by him in his capacity as an officer of the said (c) and (c) or either of them their or either of them their or either of their heirs, executors, administrators and representatives shall well and truly indemnity the said Governor of Andhra Pradesh, his successors in office and assigns against all loss and damage which he or they might or may in any way suffer by the reason of the said (a) giving cause for dismissel either while at the said school of while in service of the said Governor of Andhra Pradesh his successors in office or assign without permission in less than five years after the completion of the studies of the said (a) at the said school and if the said (c) or either of them either of their heirs, executors, administrators of representatives shall also pay to the said Governor of Andhra Pradesh his successors in office or assigns all sum or some in any way expended paid or incurred by the said Governor of Andhra Pradesh his successors in at the said school, then the above written bond be obligation shall be avoid other-wise same shall remain in full force and virtue and such sum of sums shall be liable to recovered from the said (a) and (c) as if such sum of sums were arrears of land revenue under the provision of the Medras Revenue Recovery Act, 1864 without prejudice to any other more of recovery. Provided always, and it is hereby expressly agreed and declared that these presents shall be treated and considered as entgered into under the orders of the Government of Andhra Pradesh for the performance by the said (a) and (c) of a public duty and an act in which the public are interested within the meaning of section 74 of Act IV of 1872 of the Legislative Control of India.

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(a) Name of student (b) Address of student (c) Name of sureties (d) Address of sureties (e) Rate of pay and allowances.

In witness whereas the said parties to these presents have here upto set their respective hands and seals the day and year first above mentioned.

Signed, sealed an delivered

by the names (s)

.....

Signed sealed an delivered by the above names(s)

.....

.....

in the presence of

.....

Signed sealed and delivered by the above (c)

.....

In the presence of .....

-----

(a) Name of student

(c) Name of sureties

**ANNEXURE-II**  
**GOVERNMENT TO BE EXECUTED BY TRAINEES ALREADY IN THE SERVICE OF THE**  
**GOVERNMENT PREVIOUS TO ENTRY INTO THE ANDHRA PRADESH SCHOOL OF**  
**FORESTRY.**

\*\*\*

ARTICLES OF AGREEMENT MADE AND entered into this day of                      199                      between (a) (b)                      of the first part (c)                      of (d) son(ward) of the said (a)                      of the seemed part and the Governor of Andhra Pradesh herein after referred to as the Government of Andhra Pradesh of the third part. Whereby each of the parties hereto so far as the convenents and conditions of his own part are to be observed and performed, convenents with the other of them as follows:

1) The said (c)                      hereby of his own free will and consent and with the approbation and consent of the said (a)                      rastified by the education of him of these presents in office and assigns that, he, the said (c)                      shall well and faithfully pursue his studies at the Andhra Pradesh School of Forestry, Yellandu and qualify for the Forest Service of the Governor of Andhra Pradesh.

2) The said (c)                      shall, after completing his studies at the said school, and if so, required to do serve the Governor of Andhra Pradesh and his successors in office and assigns in the Forest Department of the Government of Andhra Pradesh for period of not less than five years and shall during the whole of such period diligently and efficiently do all acts and discharge all duties which may be required to be done by him in his capacity as an officer of the said Department.

3) The Governor of Andhra Pradesh, his successors in office and assigns hereby engage to educate the said (c)..... at the Andhra Pradesh School of Forestry.

Andhra Pradesh School of Forestry in all matters relating to Forest Service, Forest works and Forest Administration that it may be deemed necessary by the PRINCIPAL..... of the said school to teach. The Senior Instructor..... the said (c).

4) The Governor of Andhra Pradesh shall pay the said (c)                      during the whole period of his stay at the said school at the rate of rupees..... per month inrespect of pay, pension and promotion accorded to officers of the said department for the time by the rules and regulations of the Department.

5) Lastly, it is hereby agreed and declared that the Governor of Andhra Pradesh and his successors in office or assigns shall be at liberty to rescind this agreement on account of the negligence, failure to attend to duty, idleness or any in subordination or misconduct on the privilages hereby imposed on him put the said (c)..... of (a)..... shall thereupon refund to the Governor of Andhra Pradesh his successors in office or assigns in respect of the education of said (c)..... at the said school failing which all moneys due under these presents shall be liable to be recovered from the said (c)..... and (c)..... as if they were arrears of Land Revenue under the previsions of the Revenue Recovery Act without prejudice to any other mode of recovery.



- a) Name of Student's father or Guardian
- b) Address of student's father or Guardian.
- c) Name of Student.
- d) Address of Student.

In witness where of the said parties of these presents have here up to set their respective hands seals the date and year first above written.

Signed, sealed and delivered by the

above named (a)

In the presence of

Signed, sealed and delivered by

the above named (c)

Signed, sealed and delivered on behalf

of the above named Governor of Andhra Pradesh

In the presence of (f)

- a) Name of the Student's father or Guardian
- b) Name of the Student.
- c) Conservator of Divisional Forest Officer  
before whom the dead is executed.

**DR.C.S.RANGACHARI,  
PRINCIPAL SECRETARY TO GOVERNMENT.**

**//True Copy//**

**Superintendent.**

### **ANNEXURE-III**

#### **SUBJECTS TO BE TAUGHT FOR FORESTER TRAINING**

01. General Silviculture and Silviculture of Species.
02. Social Forestry, Extension Education and Publicity
03. Forest Protection.
04. Forest Management and Silvicultural systems.
05. Forest Mensuration.
06. Forest Utilisation and Logging.
07. Forest Engineering
08. Forest Botany
09. Forest Survey and Drawing
10. Forest Law
11. Wild Life Management, Environment and Ecology.
12. Geology and Soil Science.
13. Accounts and Office Procedure
14. First Aid and Hygiene
15. Jeep Driving
16. Judo / Karate

## **SYLLABUS FOR FORETER TRAINEES.**

### **(1) Social Forestry, Extension education and Publicity:**

1. **Social Forestry:-** Introduction to various programmes like Farm Forestry, Afforestation of Waste Lands, Avenue Plantations, Urban Forestry, Industrial green belts Tank shore plantations, various programmes implemented in Andhra Pradesh in implementing the Scheme.
2. **Environment:-** Preservation, Maintenance of Ecological balance, Pollution control in cities, towns, villages and Highly Industrialised Zones around cities, Pollution control equipment and pollution control Board and its duties.
3. Principles of Extension adoption, process by farmers and constraints in implementing programmes.
4. Communication process and problems, publicity, propaanda in Social Forestry.
5. Planning and preparation of simple visual aids visual aids and recording material for extension talk.
6. Preparation of Liason Plan and presentation of extension talk.
7. Teaching skills use of Audio Visual aids.
8. Motivating the people for taking up Social Forestry trip.
9. Monitoring and evaluation.

### **(2) FOREST PROTECTION:-**

Protection of Forests from loss or injury against.

- i) Men
- ii) Animals,
- iii) Plants
- iv) Atmospheric influences.
- v) Non-atmospheric natural phenomena
- vi) Different types of Forest fires and how to control them. Advances measures Forest Protection.
- vii) Wireless network:- Introduction, Scope, Installation operation, Communication technique, repairs etc.
- viii) Forest Protection Force:- Organisation, object.
- ix) Weapon training:- Description, types assembling, maintenance, use.
- x) Forest Publicity:- Object methods of Publicity, Extension education.

### **(3) FOREST MENSURATION:-**

1. Area and Valume
2. Definition of common terms, stem timber, small wood volume table, from factor etc.
3. Height, diameter and girth measurements of trees by using instruments like abneys level, calipers etc.
4. Estimation of valume of logs, scantlings, beams etc. Quarter girth formula and other formalae.
5. Volume of stocked fire wood and reducing factor (What is a ton of fuel)

6. Determination of plants per acre/Hectare.
7. Enumerations.
8. Sacement of plants per acre/Hectare
9. Volume of trees by form factor/method.
10. Volume of cuttings, embankment and wells.
11. Commercial Volume ables.

(4) **FOREST LAW:-**

1. Study of the State Forest Act, Cattle Trespass Act.
2. Forest Conservation Act, 1980 rules made thereunder.
3. Duties and powers of Forest Officials in General and Forest Guards and Foresters in particular.
4. Procedure of enquiry and disposal of Forest offences.  
The corresponding appendices in Forest Manual and code to be consulted.
5. Preparation of notification leading to reservation and protection.
6. Relevant sections under Indian Penal Code and Criminal Procedure Code and Evidence Act.
7. Lecture notes by Public prosecutor for proper guidelines to approach the Court of Law.
8. Guest Lectures by Flying Squad Divisional Forest Officers pertaining to Wild Life Red Sanders, minerals.

(5) **GEOLOGY AND SOIL SCIENCE:-**

1. Geology and its relation to Forestry.
2. General ideas regarding the earth crust, minerals, rocks, weathering and Agencies effecting rocks.
3. Minerals, physical characters, crystalline form, cleavage hardness, luster, feel and colour.
4. Classification of Minerals:
  - (a) Essential Minerals (Mica group) Identification and places of occurrence, their uses.
  - (b) Economic minerals.
  - (c) Ore forming minerals, Particular study and Identification of
  - (d) Ore of Iron, manganese, Aluminums and Native gold etc.

**5. Rocks:-**

- A) Granite and syanite types
- B) Conglomerate
  - a) Conglomerate
  - b) Sand stone
  - c) Shale
- C)
  - a) Mica Schist,
  - b) Marble,

Identification, places of occurance and uses:

6. General study of the Chief Indian systems and their distribution. The nature of rocks and soils obtained with reference to 1. Archean, 2. Cuddapah, 3. Vindhyan, Kurnool, 4. Deccan trap.

**(6) ACCOUNTS AND OFFICE PROCEDURE:-**

Revenue and Cash Accounts and other administrative forms.

- I.
  - i) Maintenance of cash accounts and other administrative forms.
  - ii) Submission of Accounts to Range Officer, procedure of remittance of the Government money into the Treasury.
  - iii) Receipt of instalment through the contractors Maintenance and submission of accounts and remittance into the treasury.
- II
  - i) Maintenance of measurement books for roads and buildings etc.
    - ii) Details of work
    - iii) Estimates
- III Study of the following.
  - i) Muster roll (Daily labour bill)
  - ii) Works voucher and first and final bills.
  - iii) T.A. Bills.
  - iv) Permit stock register.
  - v) Timber Accounts as per Forest Code.
  - vi) Cash Books.
  - vii) Acquittance Roll,
  - viii) Pay bill.
  - ix) Plantation, Nursery, and other research registration forms.
  - x) Administration (forms)
    - a) First information report of Forest Fires.
    - b) Detailed report of Forest fires.
    - c) Framing of cases for the offences which are compoundable and study of concerned forms.
    - d) Tour diary and its maintenance

IV. Work Register.

V. Budget heads, procedure on lost cheques, lopsed cheques, procedure in cases of default of Government Money by the subordinate staff.

**(7) FIRST AID AND HYGIENE:-**

All general principles of First Aid, Human skeleton, mounds, bites, and stings, fracture and bandages, rinses burns, and scalps, dislocation and spoins, respiratory System and artificial respiration, blood circulation poison and antidotes, Heemorhge, nervous systems and fainting common tropical diseases like malaria, dysentery, cholera etc. and common medicine prescribed for ordinary allotments and their use.

**(8) GENERAL SILVICULTURE & SILVICULTURE OF SPECIES:**

1. The locality factors and their influence of forests.
2. Definition and explanation of the Common silvicultural terms
3. Forest composition and distribution,
  - a) Pure and mixed crops.
  - b) Board classification of Forests in India and their distribution.
4. Natural regeneration.
  - a) Colonisation of new sites and factors effecting it.
  - b) Natural regeneration by seed, coppice, pollarding and root suckers, best season, for coppicing.
  - c) Cultural operations in natural regeneration.
5. Artificial regeneration.
  - a) Objects, types and methods.
  - b) Organisation and execution
  - c) Nursery technique.

6. Afforestation.

In cultivate lands, grass lands, dry tracts, denuded hills, ravines, loose soils and saline soils.

7. Tending:-

Weeding, cleaning, climber cutting, thinning and improvement.

8. Practical Work:

Preparation of nursery beds, raising of plantations, different methods of showing the planting, basket planting stump planting, picking out markings, thinnings, fellings and cultural operations, contour trenching etc., raising teak plantations in current year coupe in Division sunken mounds, sawear and sake method.

Tectona grandis, Casurina equisetifolia, Adina Cordifolia Pterocarpus marsupium, pterocarous santalynus, Xylia, Xylocarpa Anogeissus latifolia, Delbergia Latifolia, Bambax, malabarium Satalum album, Legerstremsa parviflora, Tergimolia tomontoss, Acacia arabica, Eacalyputs hyorid spcies and other species of Eycalyptus. Dendrocalamus strictus, Bamboos arundinecea, Anacadium accidentale (Cashew).

**(9) FOREST MANAGEMENT, SILVICULTURAL SYSTEMS AND WORKING PLANS:**

Definitions of the following:

Sustained yield, rotation (Silvicultural and Physical) working circlas, feeling series, working plan period, Final yield.

Working plan period, Final yield.

1. National Forest Policy.
2. Forest Management and its objects.
3. Stock mapping, compiling compartment descriptions and compartment history.

4. Working plan and its objects, general outline, and its use for reference and execution of Forest works.
5. Management of waste lands, rotational and periodic grazing, monsoon closure.
6. Departmental exploitation:- Extraction under permits and seigniorage system, the corresponding operations under the Forest Manual and code to be consulted Transit of Forest produce through the agency of consumers and purchasers, exploitation of Forest produce under contract system, exploitation of Forest produce under free grants.

**Management:** Management including Forest Management and time management and use of computers for collection and preservation of data.

Sustained yield, silvicultural rotation and physical rotation, working circle, feeling series, working plan period and final yield, Annual Increment.

INTRODUCTION TO NATIONAL FOREST POLICIES 1984 AND 1952 and also the latest National Forest Policy approved by the Govt.

Preparation of working plan and management plans for each Industrial catchment and for each river catchment. Management of Waste Lands and preparation of Management Plan for plantations raised under Social Forestry and under Waste Land Development.

Working Plans its objects, outlines to General with reference to the field staff only.

Departmental Exploitation:- Introduction to various working Circles in the working plan and Management Plans. Forest Inventory (stock mapping) and compilation of field data, history and description of different species.

Calculation of volume of standing trees, preparation of volume tables, based on field data, fixation of rotation, formation of coupes, various prescriptions in Natural Forest and Artificial Regeneration areas.

Basic Principles of Men Management like mobilization of labour, labour control, securing the camp labour and payment of wages in relation to work done.

Time Management and Waste Land development, Make India green scheme, Biomass survey, fuel and firewood crises and solving the public demands.

Introduction to fundamentals of computer techniques, aerial photography and satellite imageries in the survey of Waste lands and natural forests, advanced technique for calculation of spacing and volume of trees and data processing.

### **SILVICULTURAL SYSTEMS:**

- i. Silvicultural systems and their classification.
- ii. Clear felling systems.
- iii. Uniform system.
- iv. Selection system and its modifications.
- v. Coppice system and modifications.

- vi. Investment fellings systems.
- vii. Management of Bamboo Forests.

**(10) FOREST UTILISATION AND LOGGING:-**

1. Felling and Conversion and preparation of corresponding timber accounts.
2. Transport of timber and bamboos on head load, yoke load carts, lorries, tractors.
3. Rafting of bamboos.
4. Storage of timber.
5. Disposal and sale of timber, maintenance of Depot, Accounts.
6. gum tapping, katha manufacture, beedi leaf collection.
7. Important wood based industries and their products raw material for the same plywood, paper and particle Board.
8. Classification and grading of timber (Vasam, Bajju, Dulam, Karra and Palaka).
9. Organisation and care of Forest Labour.
10. Uses of wood.
11. Seasoning of wood.
12. Preservation of timber, creosote and Ascu.
13. Elementary idea about saw mills and wood work shops.
14. Lac and manufacture of shellac.
15. Charcoal burning, T.I. Kilns, peraboloid method.
16. Pulp and paper making, handmade paper.
17. Grazing and Grass cutting – Hay and silage.
18. Common minor forest producers, beedi leaves.
19. Medical herbs.
20. Forest Tribal Welfare and Tribal Economy.

**PRACTICAL WORK:-** Extraction and disposal of different forest produce in an experimental plot and maintenance of timber accounts as per the Forest Department Code. Felling, stocking, slopper supplies, methods of transport of timber, charcoal burning, elephant management, feed and keep of cattle and other live stock, feeling with saws and axes.

**BASIC LOGGING:-**

I. Planning and organisation of Logging operation.

A. Logging system:

1. Short wood system.
2. Tree-length system
3. Full tree system

B. Logging Plan:



- a) Annual logging area.
- b) Equipment and necessary investment.
- c) Labour requirement.
- d) Time schedule for various operations.

## II. Logging Hand tools.

### 1. AXES:

- a) Cutting axe.
- b) Solitting Axe.
- c) Pring Axe

### 2. Forestry Cross – Cut Saws

- a) Maintenance of tools
- b) One man & two man crosscut saws
- c) Peg tooth saw – Maintenance
- d) Rocker saw – Maintenance
- e) Bow saws
- f) Power chain saw.

### 3. Dragging tools:

Lifting book, lifting tongs – Spring hand tongs cart hooks, cable puller – Skidding equipments and skidding carts.

### 4. Other tools,

Wedges stem tightener – Climbing equipment Debarking spades – Files/stone – Setting Indicator scattling iron – Jointing tools filling vice – anvil – hammer.

## III. **Felling techniques:-**

- 1. Review of conventional felling in Indian Forests, Wastage of woods.
- 2. Methods of falling.
- 3. Planning of felling operation.
- 4. Working techniques.

## IV. Safety in falling operation and work paycology.

## V. Latest techniques of Bamboo extraction and tools used.

### (11) **FOREST ENGINEERING:-**

**BUILDING MATERIALS:-** Selection of materials, Timber, brick stone, cement, lime and miscellaneous materials.

**BUILDING CONSTRUCTION:-** Selection of sites for Forest buildings, foundation, Masonary, doors, and windows, lintels and arches, stair and steir cases, carpentary and joinery, paving and flooring, roof construction and covering, painting, decoration, furniture and preparation of estimates.

## **FOREST ROADS, ALIGNMENT AND CONSTRUCTION:**

Classes of forest roads, gradients, methods of alignment organization of labour, demarcation, alignment method of constructions, road drainage, metalling and preparation of estimates.

## **SIMPLE BRIDGES AND CULVERTS:-**

Selection and preparation of bridges, sites details of constructions temporary bidges and crossings, culverts.

## **WATER SUPPLY:**

Road tracing and road marking, brick laying preparation of different types of mortars, construction of bridges culverts etc., repairs to buildings, repairs and polishing the furniture, repairs to the buildings and white washing.

## **12. FOREST BOTANY:**

1. Plant kingdom and its broad classification.
2. Elementary plant morphology physiology and geology.
3. Identification of important trees, shrubs, and herbs, by local and botanical names and field characters.
4. General scientific description of a plant.
5. Vegetative propagation method of timber.

## **13. FOREST SURVEY AND DRAWING:-**

1. Drawing of scales.
2. Chain surveying.
3. Chain and prismatic compass surveying
4. Determination of areas by square method and planimeter and triangulation.
5. Enlargement and reduction of maps by pantograph.
6. Conventional signs commonly used in maps.
7. Types of Forest Maps.

## **PRACTICAL WORKS:**

1. Map reading.
2. Contour lines lay out.
3. Layout small plots in Forest coupe lines transference of coupe from mapset the ground.

## **14. WILD LIFE MANAGEMENT, ENVIRONMENT AND ECOLOGY:**

### **(1) INTRODUCTION:**

- 1.1. Definition of Wild Life.
- 1.2. Why to preserve Wild Life.
- 1.3. Broad conservation policies of the Government addressing Wild Life and conservation areas, organisation and role of Forest Department.
- 1.4. Role of Range Asst. in protection of Wild Life and its habits.

(2) **FIELD CRAFT:** (Use slides, Video cassettes 16mm films)

(A) **EVIDENCES:** 2.1. Identification of Wild Life evidences, making measurements, records and collections.

2.2 **Foot printer:-** Importance of identification of food prints animals with paws, animals, with hooves, bird tracks, measurement of foot prints, step and stride, use of tiger, tracer, preparation of plaster caste. Identifying features in a tiger conard/bear foot print and distinguishing individual animals. Searching and stering trace of pug marks, making locality abstracts, sorting and storage of plaster casts, verifying pub marks in the field. Guiding Wild Life Guards in tracing pub marks correctly.

2.3 **Feeding signs:-** On sills, recognize kills, made by tiger leopard, Wild Life monitoring, carnivorous, on weedy plants onawing bark strinoing on fruits and seeds, digging for roots by porcupine. Other feeding signs, rooting by Wild pig, feeding on termites by bear, digging for insects by rate.

2.4 **Wild Life remains:-** Skills, long bones, Jaw bones, antlers, and horns, their identification corting and storage.

2.5 **Dropping:-** Species identification, collection and preservation for further studies, sorting field collections according to species, identification of contents of Croppings of herdivores or emniveres.

2.6 Pellets:- of reptiles end owls, contents of pellets, sorting items for identifications, storate.

2.7 **Sheltars:-** Recognising shelters and homes, below ground, on ground and above ground, caves, over hangs, lodges, outcrops, clifts and talus, nests, hallows in trees and excavated tree cavities. Relating shelters to mocrohabitats.

2.8 **Scent flags:-** What they are recognizing when fresh.

2.9 **Other evidences:** Anolascofubbing urine marks, crag marks, soraps.

2.10 Identifying Wild Life calls and what they mean.

2.11 Wild Life trails and paths. The art of tracking.

(B) **SIGHTING:-**

2.12 Identification of different species of the state by distinctive features form, posture and movement, sexing and broad age criteria.

2.13 The part of approaching Wild animals. Safety precautions, recognizing behaviour related somatic changes in an animal. Do's and Don't's when confronted by a dangerous are not.

2.14 The Principles of locating a machan and bides. How to contract a machan, a group hide by using local material use and the act camousflage. How to observe from a machan or a hid.

2.15 Recognizing simple activity patterns of animals resting feeding, play, demonstration, sparring, fighting, grooming antler rubbing, preaching, alarm, aggression, drinking, salt licking, loctation, feeding the yound, whallowing, court-ship and mating, nest building, care of yhound pasturisation, sickness (use slides or video cassettes).

(C) **CONDUCT IN FIELD:**

2.16 Use of some essential equipment. What do carry (haversak, Water, bottle, tiffin, 2 meter tape, kukri or small axe, pen, pencil, tiger tracer, tacing paper, plaster of paris, field note book diary jurisdiction, map, hand copass).

2.17 Maintaining silence while in the field, using eyes and ear, how to move, forming a cognitive picture the area of traverse by remembering terrain features.

2.18 Estimating crop height, densities of vegetation at different levels, by round and ready simple methods.

2.19 How a topographic map is read and used, how to locate your position, making simple maps, to indicate important observations, readings, contours and distinguishing heights.

2.20. How to record simple observations in a note book. The importance of time and place. Analysis of observations recorded by Wild Life Guards and others. Simple abstracts of sighting records, habitat information, important evidence indications.

### 3. **WILD LIFE BIOLOGY AND ECOLOGY:** (Sue charts & Slides)

3.1 Organisation of animal kingdom in brief.

(a) Mammals of the state:- The characteristics of the groups and their role to be emphasized.

(Groups: Monkeys, cats, Wild oxen, bears, sheep and goats, notelopes, Gazells, deer, rodents).

3.2 Individual species:- Elephants, Rhino, Wild ass, Wild pig, Wild dog, Wolf, Jackal, Foxes (While dealing with species sharp focus should be on identifying the characters, habitat and general habitat distribution status, threats, if any emphasis, should be on species habitat relationship).

3.3 (B) Birds the State:

Identification in field, common birds and endangered birds.

3.4 (C) Reptiles of the State: Poisonous and non-poisonous snakes, what to do following snakes, what to do following snake bite. Marsh crocodiles gharial, turtles and tortoises.

3.5 (D) Amphibia of the State: Brief introduction as group.

3.6 (E) Pisces of the State:- Brief introduction as a group.

3.7 (F) Insects of the State:- Honeybees, butterfly, lack insect, silk worm, termites, etc.

3.8 Essential needs of animals:- Ecosystem, energy, flow trophic levels, limiting factor, niche, carrying capacity, relationship between animals and habitat factors.

3.9 Animal Sociology:- Solitary, gregarious animals, (Tiger, elephant, Sambar, Chital, jungle, fowl, birds of prey water fowl).

3.10 Causes of Habitat degradation and species recovery, projects: Tiger Project, Project Crocodiles, Rhino rehabilitation etc. (Use A75).

### 4. BOTANY

4.1 Organisation of plant kingdom – brief identification of common trees, shrubs, grasses and herbs (species important for Wild Life as food – leaves, bark flowers, roots, fruits). Significance of phenology – seasonality of food availability.

4.2 Collection of plant specimen, preparation of herbarium specimen.

### 5. **MANAGEMENT:-**

(a) Forestry:

5.1 Administrative classification of forests, statistics about Forest cover in India and in the State.

5.2 Role of Forest – The environment and the life supporting system.

5.3 Forests and people; in the economical status.

5.4 Working of Foresters – Working plans and importance of stock maps compartment histories, Importance of dead, dying and hallow trees, fallen logs for Wild Life. Marking rules, Silviculture operations, Important Silvicultural systems, felling series, marking rules use AVS).

5.5 MF – Collection and Wild Life consideration.

5.6 Demarkation and maintenance of sancturary, National Park, Core area, Reserve Forests, Boundaries, Coupe, strip lines, Fire lines (Use AVS).

5.7 Concessions in Forests and regulations Wild Life imperatives.

(b) **WILD LIFE:**

5.8 Organisation of Wild Life wing department and responsibilities Wild Life Management plan.

5.9 Zonation – In the National Parks, sanctuaries.

5.10 Census and trend monitoring techniques, laying vegetation monitoring plots.

5.11 Survey of water holes and their maintenance, survey of caves, over hangs, Hallows, natural salt licks, How establish artificial salt licks, preparation of simple water holes (Use AVS).

5.12 Methods of capturing animals.

5.13 Care of yound Wild Life animal who found abandoned.

5.14 Feeding charts, Mini Zoos, Safari Parks.

5.15 Prescribed burning, Execution and care, effect of fire on animals, and their habitat, grasses and tree regeneration Fire as a tool, cutting, burning and maintaining fire line.

5.16 Forest and Wild Life Management:- Necessity of integrated approach.

5.17 (C) Protection: Threat for which protection is required.

5.18 What is patrolling:- Poacing, illicit cutting, cattle grazing, encroachment etc., checking barriers, unmanned barriers.

5.19 How to invastigate cattle lifting cases:- Cases relating to man killing/mauling, recording field evidence preparation of documents.

5.20 Operation of VHF sets, radio sets etc., Handling fire arms.

5.21 (D) Wild Life Health:- Important contagious diseases of Wild animals (rinderpase, foot & mouth, anthrox, rabis) the carcass, need to report, dispossle of carcass etc.

5.22 discuss investigation of diseases – Catale as a source of communicable discease. Importance of immunization of cattle.

5.23 Recognising the State of health animals from external features.

5.24 Care of domestic Elephant.

(6) **ENGINEERING:**

6.1 Design & Construction of simple culvets, construction of anicuts, checkdams, earthern bunds, and bridges, of local materials R.C.c saucers. Plythens sheets, saucers, maintenance of cart tracks.

6.2 Timber bridges.

6.3 Soil Conservation works: Sinking and Lining and maintenance of wells; tanks, tube wells, hand pumps and concrete water sources.

6.4 Putting up of ditches, barriers, dry rubble wall trenches, electric fence, maintenance.

## 7. **TOURISM EDUCATION AND EXTENSION:**

7.1 **Tourism:** Importance regulation in time and space, conducting tours in National

## 8. **FIRST AID:**

8.1 Standard training of the red cross.

## 9. **LAW AND PROCEDURE:-**

(a) Wild Life protection Act, 1972.

(b) C.R.P.C. (Criminal procedure Code)

© Forest Act, 1967.

(d) Cattle Areas, pass Act,

(e) Forest Conservation Act, 1980.

## **PROCEDURE:**

(a) Issuing Offence report.

(b) Preparation of seizure memo.

(c) How to seize wild animals, animal article.

(d) Preparation of panchanama.

(e) Recording statement of a witness.

(f) Procedure to seize weapon and vehicles,

(g) Procedure for preparing specimen for forensic examination.

(h) Procedure for preparing specimen for serological tests.

(i) Procedure for preparing specimen for chemical examination.

(j) Custody of seized produce, which items to be released on supernama.

(k) Preparation of supernama.

(l) Search Warrant.

(m) How to conduct search of premises, vehicles persons.

(n) How to investigate offences and how to collect evidence.

(o) Procedure for receiving secret information of offence.

(p) Receiving report cattle liting, man eating and further action.

(q) Settlement of compensation.

(r) Checking circus and touring Zoo animals.

Preparation of offence cases for submission, dealing with decided cases for recovery Maintenance of Offence Register.

Attending cases in the Court of Law.

**10. SERVICE MATTERS:**

The Uniform and the conduct of a Asst. Wild Life Warden.

Organisation of work in the field and supervision.

Scrutiny of diaries, reports and observations recorded by the Wild Life Guards.

## **SYLLABUS FOR FOREST GUARD TRAINING**

### **(1) SILVICULTURE, SOCIAL FORESTRY AND EXTENSION EDUCATION:**

1. Definition, direct and indirect benefits of Forest General effects of temperature, rainfall, attitude, soil and their effective vegetation raising of Nurseries.

#### 2.(i) Selection of site.

- (a) Types of beds, methods and time schedule of operation.
- (b) Selection of seed, their storage, maintenance of standards pre-treatment to shows.
- (c) Clearing operations.
- (d) Removal and transport of Nursery stock.
- (e) Insecticides and fungicides etc.

#### (ii) (a) Teak

(b) Eucalyptus

(c) Casurina

(d) Bamboo

(f) Sandal

(g) Pines

(h) Sisso

(i) Cashew

(j) Coffee

(k) Seat woods

(l) Afforestation species like babul, tamarind etc.

#### 3. Raising and maintenance of plantation.

1. Selection of site.
2. Method of raising.
3. Plantations time schedule of operations upto 3 years (1) Teak (2) Eucalyptus (3) Bamboo (4) Casurina

#### 4. Cultural operations;

- (a) Tending, types of weeding and their use of running climber, cutting, cutting back of miscellaneous growth coppice growth.
- (b) Soil working, Mulching cover, Nursery group, laying out inspection paths, fire tracing, thinning, what are thinnings, importance of thinning, introduction of Miscellaneous species in afforestation areas by contour trenching methods.

### **(2) SOCIAL FORESTRY AND EXTENSION EDUCATION:-**

- i. Social Forestry: Introduction to various programme like Farm Forestry, Afforestation of Waste Lands, Avenue Plantations, Urban Forestry, Industrial green belts, Tank shore plantations, various programmes implemented in Andhra Pradesh and problems in implementing the scheme.



- ii. Environment, preservation, Maintenance of Ecological balance, pollution control in cities, towns, villages and Highly Industrialised zones should around cities, polluting control equipment and pollution control board and its duties.
- iii. Principal of extension – Adoption, process by formers, and constrains, implementing programmes.
- iv. Communication process and problems, publicity, propagandas in Social Forestry.
- v. Planning and preparation of simple visual aids and reading material, extension talk.
- vi. Preparation of liaison plan and presentation of extension talk.
- vii. Teaching skills use of Audio Visual aids.
- viii. Motivating the people for taking up Social Forestry, Field trip.
- ix. Monitoring and evaluation.

**(2) GEOLOGY AND SOIL SCIENCE:**

1. Geology and its relation to Forestry
2. General idea regarding each crust, origin of earth.
3. Agency of weathering, types of soils in the state
4. Minerals: Essentials of formation, economical their distribution in the state.
5. Identification of important rocks and minerals available in this state.

**(3) FOREST PLAN:**

1. A.P. Forest Act, All Sections with special emphasis on section of Forest Offences.
2. Cattle trespass Act, 1871 (General).
3. Andhra Pradesh Forest Offences, and compounding rules, 1969.
4. Andhra Pradesh Forest Produce Transit Rules, 1970.
5. Andhra Pradesh Teak Wood and red sandel wood possession rules, 1970 (General).
6. Andhra Pradesh Sandal wood possession Rules, 1969 (General)
7. Andhra Pradesh Protected Forest Rules, 1979 (General).
8. Wild Life Protection Act: Section 9, 29, 35, 50, 51, 54 to 58 discussed.
9. Criminal procedure code: Arrest of persons (Section 46 to 60) summon and warrant (Section 94) and service or summons.
10. Practices writing A, B and C forms for Forest Offences.

**(4) ACCOUNTS AND OFFICE PROCEDURE:-**

1. Cash book, Muster rules, invoices, remittances, stock accounts, issue of permits, duties of Forest Guards, writing of reports, diaries.
2. Maintenance of records uniforms and accountement.
3. Forest Labour organization, tribal welfare relationship with co-employees, superiors and public.
4. Maintenance of boundaries and boundary works.

(5) **FOREST BOTANY:**

1. Elementary knowledge of classification of plant kingdom.
2. General description of a flowering plant.
3. Root – functions – modifications.
4. Leaf – functions – types, shapes and its usefulness in the identifications of species.
5. Stem – functions – modifications.
6. Flower – parts and functions.
7. Fruit and seed – kinds of fruits – dispersal of fruits and seeds, regeneration, propagation method, collection storage.
8. Field characters of important timber trees.
9. Identification of important trees, shrubs and herbs by botanical names.
10. Collection and mounting Botanical species (Herbarium)

**PRACTICALS**

1. Observation and study of plant morphology i.e. root stem, leaf types and modifications.
2. Study of Field characters of important timber trees.
3. Identification and study of important trees, shrubs and herbs by local and botanical names.
4. Collection of seed.

(6) **ENGINEERING**

- (a) Building materials, selection (Quantities) of good brick stone tiles, lime cement and calculation of brick and tiles, for construction work.
- (b) Building construction:- Selection of site for building construction, plinth area, carpentry brick masonry (English and Flemish bonds) stone Masonry, roofing, (Thatching tiles, madras terrace roof), plastering, pointing, qualities of good constructional wood simple calculations of plinth and carpet areas.
- (c) Roads:- Part of road, classification of roads, defining and use of gradients, camber, superelevation, cross-section, Breast wall, retaining wall, catch water drain, Hairpin bends, calculations of earth works (Preparation of a modern road).
- (d) Bridges:- Fords, Irish bridges, cause ways, culverts (Pipe, box, slab arch) simple wooden bridge.
- (e) Water supply:- Selection of site for digging a well protected water supply (Classification, sedimentation and sterilization) cleaning of wells).

**PRACTICAL WORK:**

Bricks and tiles- Preparation at the nearby brick kilns and tile factories – white washing, trenching, work, earth work calculations, laying of roads, preparation of bridges and Irish bridges in the nearby Reserve Forest.

(7) **FOREST PROTECTION**

Human Agency, illicit fellings, cultivation, grazing evils and benefits; kinds of grazing, kancha system; avails of For

Est fires,

Benefits of Forest fires, fire fighting, fire tracing operations, injuries, to forests by insects. Wireless net work – Introduction and operations, Forest protection force-organisation and object, Weapon training; maintenance and use. Forest publicity, extension education.

(8) **FOREST UTILISATION:**

1. Modern conventional implements used in felling, logging and conversion.
2. Seasoning treatment, rafting of timber and bamboo charcoal buning.
3. Various minor Forest produce products, used in Industry paper soils, gums, resins, tar tanning, Kathe, fibres.
4. List of wood based Industries and species used: Match wood, ply wood, packing cases, Railway sleepers, Textiles, Industry, props
5. Agricultural implements, toys, under woter constructions, ship buildings, sports, slate frames, storing stacking of timber.

(9) **FORES EXPLOITITION AND MANAGEMENT:**

1. Elementary principles of sustained yield
2. Object of Forest Management and various system of Management.
3. General idea of rotation, block, compartment, felling series and coupes.
4. Measurement of height with Abney's level fixing at 45 degrees, girth and diameter measurements with tape and calipers.
5. Working and control of fuel, C.W.R. C.W.C. selection of bamboo felling coupes.
6. Departmental extraction of timber, fuel and beedi leaf.

(10) **FORESTRY SURVEY:-**

1. Systems of Measurements – British – Metric.
2. Scale – Representative fraction.
3. Types of chains and tapes – metric chain advantages, dis-advantages of chain, folding and unfolding of chain.
4. Ranging out of a survey line and measuring, direct ranging, reciprocal ranging, chaining on sloping ground stapping methods.
5. Off sets – Perpendicular oblique taking offsets to roads fencing, buildings etc.

(11) **WILD LIFE MANAGEMENT:**

1. Wild Life; Need to preserve, broad conservation policies, and role of Wild Life Staff.
2. Identification of Wild Life: Evidence like foot prints, feeding signs, droppings, pellets, shelters, scent flags, etc. and making measurements on them.
3. Identification of species, safety, precautions in Wild Life areas, principles of locating birds and recognizing simple activity patterns.
4. Conduct in Wild Life areas, use of some essential equipment and analysis of observations recorded.
5. Wild Life biology and ecology of important species of the state.
6. Field Identification of birds, reptiles, amphibians and insects.
7. Animal sociology, Wild Life habitat and specific animal projects.
8. Identification of common trees, shrubs, grasses and herbs with particular reference to Wild Life Management.
9. Working of forests, collection of minor forest produce and effect of other forestry activities on Wild Life habitat.
10. Organisations of Wild Life and their responsibilities.
11. Sanctuaries, National Parks and restrictions therein.
12. Census techniques, and survey of water holes etc.
13. Establishment of artificial salt licks, water holes and other infrastructure for Wild Life.
14. Methods of capturing animals and care of young Wild animals.
15. Fire protection in sanctuaries and other Wild Life areas.
16. Protection of Wild Life areas.
17. Investigation into Wild Life affected cases of cattle and human kills.
18. Important diseases of Wild animals, preventive and remedial measures.
19. Wild Life act, its provisions and procedures for Wild Life.

(12) **FIRST AID AND HYGIENE:**

All General principles of First Aid. Human skeleton, wounds, bites, and stings, fracture and bandages, burns and scalds, dislocation and sprains, respiratory systems and artificial respiration, blood circulation, poison and antidotes. Haemorrhage, Nervous system and fainting, common tropical diseases like malaria, dysentery, cholera etc. and common medicine prescribed for ordinary ailments and their use.

**Dr. C.S.RANGACHARI,**

**PRINCIPAL SECRETARY TO GOVERNMENT.**

**/True copy/**

**Superintendent**

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## GOVERNMENT OF ANDHRA PRADESH

### ABSTRACT

Establishment – Forest Department – Andhra Pradesh Forest Subordinate Service Rules 2000 – Amendment – Notification – Orders – Issued.

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#### ENVIRONMENT, FORESTS, SCIENCE & TECHNOLOGY (FOR-V) DEPARTMENT

G.O.Ms.No.33

Dated 9-3-2006

Read the following:

1. G.O.Ms.No.497, Forest Animal Husbandry & Fisheries Department, dated 4.12.1986.
2. G.O.Ms.No.88, Environment, Forests, Science & Technology (For.IV) Department, dated 19.7.2000.
3. Representation from A.P. Junior Forest Officers' Association, dated 8.6.2005.
4. From Principal Chief Conservator of Forest, A.P., Hyderabad Ref.No.25999/2005/A2, dated 23.7.2005.
5. Government Memo No.6516\For.V/2005-2, dated 29.8.2005.
6. From Principal Chief Conservator of Forests, A.P., Hyderabad Ref.No.25999/2005/A2, dated 26.9.2005.
7. From the Secretary, APPSC, Hyderabad Letter No.153/RR/1/2006, dated 28.2.2006.

### **ORDER:**

The Principal Chief Conservator of Forests, Hyderabad in his Letter fourth and sixth read above has stated that the Andhra Pradesh Junior Forest Officers' Association, Hyderabad in their representation third read above has represented that there was a provision in the Andhra Pradesh Forest Subordinate Service Rules issued in G.O.Ms.No.497, Forest Animal Husbandry & Fisheries Department, dated 4.12.1986, that the Forest Beat Officers who stood First in their training batches held by the Andhra Pradesh School of Forestry, Yellandu shall be eligible for promotion as Forest Section Officers in preference to others. However the said provision was deleted while issuing revised special rules for the Andhra Pradesh Forest Subordinate Service Rules issued in G.O.Ms.No.88, Environment, Forests, Science & Technology (FOR.IV) Department, dated 19.7.2000. As a result, the Forest Beat Officers who stood First in the final examination of Forest Beat Officers' training at A.P. School of Forestry, Yellandu were not considered for promotion since, 2001 batch. There is no recognition to the best efforts put in by the Forest Beat Officers who got first rank in their respective training batches, they developed unhappiness and discouragement by comparing them with the first rankers of the previous batches. The Association has therefore, requested for reintroduction of the above provision in the rules.

2. The Principal Chief Conservator of Forest, A.P., Hyderabad has further stated that by inclusion of the said provision again in the rules, there will be healthy competition among the trainees to learn the subject in the through manner and to gain knowledge in various fields of training and also it will create an encouragement to the trinees who put in best efforts to secure the first rank in training. The Principal Chief Conservator of Forests, A.P., Hyderabad has therefore, recommended the Government to consider the request of the Andhra Pradesh Junior Forest Officers' Association for reintroduction of the provision by amending the rules suitably to the Andhra Pradesh Forest Subordinate Service Rules for promotion of the eligible Forest Beat Officers who stood first in Forest Beat Officers' training from the year 2000 onwards.
3. Government after careful consideration have decided to reintroduce the provision by suitably amending the A.P. Forest Subordinate Service Rules issued in G.O.Ms.No.88, Environment, Forests, Science & Technology (FOR.IV) Department, dated the 19<sup>th</sup> July 2000 for promotion of Forest Beat Officers to the post of Forester, who stood first in the final examinations conducted by Andhra Pradesh School of Forestry, Yellandu and Andhra Pradesh Forest Academy, Dulapally.
4. Accordingly, the following Notification shall be published in the Andhra Pradesh Gazettee:

### **NOTIFICATION**

In exercise of the powers conferred by the provision to article 309 of the Constitution of India and of all other powers hereunto enabling the Governor of Andhra Pradesh hereby makes the following amendment to the Andhra Pradesh Forest Subordinate Service Rules issued in G.O.Ms.No.88, Environment, Forests, Science & Technology (FOR.IV) Department, dated the 19<sup>th</sup> July 2000 as amended subsequently from time to time.

The amendment hereby made shall be deemed to have come into force with effect from 19<sup>th</sup> July 2000.

## AMENDMENT

In the said Rules,

(1) In rule 3, in the Table, under Class-A in Category-2, in Column (2) "Method of Appointment" after Item (iii), the following shall be added, namely,

"(iv) by promotion of Forest Beat Officer who stood first in the final examinations conducted by the Andhra Pradesh Forest Academy, Dulapally and Andhra Pradesh School of Forestry, Yellandu in preference to his senior, if he is otherwise fit and is qualified for promotion as Forester".

(2) in the Annexure in the table under Class-A, in Category-2 Foresters, under Column-2 i.e., Method of appointment by promotion, after item (ii), the following note shall be inserted, namely:-

NOTE: A Forest Beat Officer who stood first in the final examinations conducted by the Andhra Pradesh Forest Academy, Dulapally and the Andhra Pradesh School of Forestry, Yellandu shall be eligible for promotion as Forester in preference to his seniors, if he is otherwise fit and qualified for promotion as Forester (Forest Section Officer)"

**(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)**

T. CHATTERJEE,  
PRINCIPAL SECRETARY TO GOVERNMENT

To  
XXX

The Principal Chief Conservator of Forests, A.P., Hyderabad.

**GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT**

PCCFS Endt. No.25999/2005/A-2,  
Dt.18-03-2006.

Office of Prl. Chief Conservator of Forests,  
Tuljaguda Complex, APHB Building,  
M.J. Market, D.No.4-1-714 to 725/1, A.P.,  
Hyderabad – 500 001.

**Sri S.K. Das, I.F.S.,  
Prl. Chief Conservator of Forests.**

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A copy of G.O.Ms.No.33, EFS&T (For.V) Department dated 9.3.2006 is communicated herewith for taking further necessary action.

**Sd/- Sharda Prasad,  
For Prl. Chief Conservator of Forests.**

To:

All Conservator of Forests including Planning & Extension Circles, Wildlife and Research & Development Circles.

All Divisional Forest Officers including Social Forestry, Wildlife and other Special divisions.

Copy to Chief Conservator of Forests (Training & Education), O/o the PCCF, A.P., Hyderabad.

Copy to Director, A.P. Forest Academy, Dulapally.

Copy to Conservator of Forests, Khammam.

Copy to Deputy Director, A.P. School of Forestry, Yellandu, District Khammam.

Copy to President, A.P. Junior Forest Officers Association, Hyderabad Suite 11 & 12, 2<sup>nd</sup> Floor, Abids shopping Centre, Hyderabad – 001.

Copy to Superintendent T/ G' and Assistants T2, A1 and A3.

Copy to Stock File of A2 and A3.

/t.c.b.o./

**Superintendent.**