

Industrial Attachment - Project work and Evaluation

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INDUSTRIAL ATTACHMENT - PROJECT WORK & EVALUATION

**ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
ADMN. OFFICE: RAJENDRANAGAR: HYDERABAD - 500 030**

Memo.No.51291/Acad.I/A1/2007

Date: 29.01.2007

Sub: Seed Technology Polytechnic, Rudrur - Allotment of Courses and syllabus for 4th Semester courses in 2nd year - Regarding.

Ref: Your Lr.No.C1/223/2006-07, dated 18.12.2006.

* * *

With reference to the letter cited, the syllabus for 4th semester courses in 2nd year courses for Seed Technology Polytechnic students is herewith enclosed.

The Principal, Seed Technology Polytechnic, Rudrur is requested to implement the course accordingly.

**Dandu Jagannadha Raju
Registrar**

To

The Principal
Seed Technology Polytechnic
Rudrur - 502 188
Nizambad (W.E)

// F.B.O//

SUPERINTENDENT

REGISTRATION CARD

Name :
I.D.No. :
Date of Registration :
Semester : Second Year : Second

Registered the following courses

Duration

- | | |
|--|---------|
| 01. Attachment to Host Farmer in See village | 6 weeks |
| 02. Attachement to Seed Industry | 8 weeks |
| 03. Reports and compilation | 2 weeks |
| 04. Short course on English and Communication skills | 1 week |
| 05. Comprehensive Viva-Voce | |

Signature of the
Student activities

Signature of the

student

Signature of the Principal

PROGRAMME OF WORK

Industrial attachment project work comprises of the following components and will be equivalent to a semester load of 600 marks.

The Principal representative and course in charge has instructed to see the students will interact with host farmers and host industry personally and involve in the related activities. For this purpose, a calendar of operations for the entire semester will be prepared in consultation with the members of the advisory committee. At the same time emphasis also given on following items for recording.

- a). Objectives of the programme
- b). Items of the work to be attended by the students
- c). The information to be collected
- d). Records to be maintained
- e). Weekly and other reports to be submitted by the student to the Chairman of Advisory Committee.
- f). Location of seed companies, villages and help in case of emergencies.
- g). Attendance requirement

The students will be given an opportunity to acquaint themselves with various activities of seed industry. The student will be explained on the following aspects in seed industry.

- Company's profile
- Organisation of seed company
- Seed production of different crops
- Research and Development (R&D) activities of company like enhancement of genetic resources, development of hybrid varieties, technology development for seed production, seed quality control etc.
- Seed marketing - various marketing channels used for the movement of seed, right from warehouse to farmer and various things related to publicity of company seed among farming community. Adoption of various strategies to promote marketing like trial demonstration, hoardings and poster, meals etc.

The students will observe closely the above activities at seed company and record all the items of work in students dairy (Annexure-II) which has to be submitted to the supervisor at the end of week. The data given in the weekly dairies and observation note books shall be incorporated in respective records to be submitted at the end of semester.

The Principal representative can allot the students to a particular village should collect the data of the village as per the questionnaire issued for the purpose (Annexure-I). The student will collect data on following aspects of the village.

- a. Socio - economic conditions of the village
- b. Vital statistics like geographical area, cultivable area, irrigation area, cropping pattern, extent of area covered under HYV and local varieties, source of the parental seed material obtained for seed production, manures / fertilisers used, plant protection methods followed etc.
- c. Seed Production of each crop (complete package on practices adopted for seed production).
- d. Cost of cultivation
- e. Buy back system
- f. Problems faced by the seed growers
- g. Any other information
- h. The students shall maintain a record of daily work in the Proforma prescribed (Annexure-II).

**INDUSTRIAL ATTACHMENT - PROJECT WORK AND EVALUATION MARK
ALLOTMENT**

Sl.No.	Title	Internal Evaluation marks	External Evaluation marks	Total marks
1.	Assignment on seed production in village	100	100	200
2.	Project work on seed company	125	125	250
3.	Presentation of project work and village socio economic survey	100	-	-
4.	Viva-voce examination	50	-	-
5.	Short course in English and communication skills (Satisfactory / Non-satisfactory)	-	-	-
Total		375	225	600
Qualifying Marks		150	90	240

INDUSTRIAL ATTACHEMENT - PROJECT WORK AND EVALUATION

GUIDELINES

Introduction

Seed is the basic and vital input in crop production. For raising the productivity levels in different crop species, good quality seed is utmost important. So it is necessary to provide the farmer with quality seeds, in time, in adequate quantities and at affordable prices.

Andhra Pradesh has good infrastructure base, congenial climatic conditions favorable for seed production and seed storage. Owing to these conditions, Andhra Pradesh has emerged as a seed state of India. Andhra Pradesh's seed industry has grown in size and level of performance over the past few decades.

In order to provide grass root level field functionaries to the seed sector of the state, Acharya N.G. Ranga Agricultural University has established Seed Technology Polytechnic at Rudrur, Nizamabad district in October, 2005 by offering two year Diploma course in 'Seed Technology' to cater to the needs of man power both at village level and industry level.

Field level experience and exposure to seed industry is essential to learn the required skills for Seed Technology Polytechnic students. Keeping this in view, the University has introduced 'Industrial Attachment – Project Work' component for Seed Technology Polytechnic students during the fourth semester mainly to impart practical training to the students. Under this programme, every student is expected to work one semester in "Seed Village" and in 'Seed industry'. This is a unique opportunity for the students to work with the farmer and also with the industry to learn various techniques. The knowledge gained in the classroom and laboratories coupled with adequate practical experience in the field and industry would no doubt equip the diploma holders with the desired skills as well as create self confidence among the trainees to establish good entrepreneurship as well as to face the future challenges in seed sector.

Implementation of the programme

The programme is planned to impart practical training to the students both at farmer's level and industrial level.

Duration of the programme	:	One full semester roughly corresponding to rabi season for 16 to 17 weeks (110 working days)
Mode of the programme at field level:		one student will be allotted to one host farmer and a group of 4 to 5 students will be placed in each selected seed village of Nizambad district for a period of one and half month (6 weeks).
Mode of programme at industry	:	A group of 4 to 5 students will be allotted to each seed industry (company) located at Nizamabad district for a period of two months (8 weeks).

The students would make their own arrangements for boarding and lodging during this period.

Objectives

- To provide an opportunity for practical training to the students in production, processing, storage and marketing of seed through work experience in seed industry as well as in seed village.
- To familiarize with socio – economic conditions of the farmers and understand the different situations prevailing with seed growers and seed industries.
- To develop confidence and competence for establishing income generating units in seed sector.

Programme of work

Industrial attachment project work comprises of the following components and will be equivalent to a semester load of 600 marks.

The students will interact with host farmers and host industry personnel and involve in the related activities. For this purpose, a calendar of operations for the entire semester will be prepared in consultation with the Members of the Advisory Committee.

I. Attachment to Host Farmer in seed village

Duration : 6 weeks

Marks : 150

The students will be given an assignment on seed production of five major crops in the allotted villages by attaching 4 to 5 students to each village. Similarly, 5-6 seed villages will be selected. These students allotted to a particular village should collect the data of the village as per the questionnaire issued for the purpose (Annexure-I). The student will collect data regarding.

- a. Socio-economic conditions of the village
- b. Vital statistical like geographical area, cultivable area, irrigation area, cropping pattern, extent of area covered under HYV and local varieties, source of the parental seed material obtained for seed production, manures / fertilizers used, plant protection methods followed etc.
- c. Seed production of each crop (complete package on practices adopted for seed production).
- d. Cost of Cultivation
- e. Buy back system
- f. Problems faced by the seed growers
- g. Any other information

The students shall maintain a record of daily work in the proforma prescribed (Annexure-II).

II. Attachment to Seed industry

Duration : 8 weeks

Marks : 250

The students will be given an opportunity to acquaint themselves with various activities of seed industry. The students will be explained on the following aspects in seed industry.

- Company's profile
- Organisation of Seed company
- Seed production of different crops
- Research and Development (R&D) activities of company like enhancement of genetic resources, development of hybrid varieties, technology development for seed production, seed quality control etc.
- Production manual for hybrid seed production which includes soil type, seed rate male and female parents used, spacing adopted, sowing method, fertilizer dose, inter-cultivation, irrigation, plant protection, harvesting, drying and cob sorting shelling, bagging etc.
- Seed processing – various steps involved in seed processing sampling of raw seed, seed conditioning, pre-cleaning, fine cleaning, gravity separation, seed treatment, chemical treatment used with dosage, seed testing, packing and storage, quality assurance.
- Machinery used in various steps of seed processing.
- Seed marketing – various marketing channels used for the movement of seed, right from warehouse to farmer and various things related to publicity of company seed among farming community. Adoption of various strategies to promote marketing like trial demonstrations, hordings and posters, meals etc.

The students will observe closely the above activities at seed company and record all the items of work in students dairy (Annexure-II) which has to be submitted to the supervisor at the end of week. The data given in the weekly dairies and observation note books shall be incorporated in respective records to be submitted at the end of semester.

III. Reports and compilation

Duration - 2 weeks

IV. Short course on English and Communication skills

Duration – 1 week (including examination)

- The syllabus to be covered in English: Spoken English, letter writing and basic grammar.
- Communication skills
- Low cost AV aids
- Personality development
- PRA techniques

V. Comprehensive viva-voce

Advisory Committee

An Advisory Committee shall be constituted for each student to provide necessary guidance in the implementation of industrial Attachment – project work as well as Assignment work on seed production in the seed village. The advisory committee consists of the following members.

Principal of the Polytechnic

Host farmer / industry representative

Officer i/c. (course i/c)

The Principal of the Polytechnic shall be the Chairman of Advisory Committee. The committee shall meet at least once in a month to review the progress made by the students in implementation of the programme, evaluated and suggest mid-course corrections, if any. At the last meeting of the committee, the entire progress of the student will be reviewed and evaluated.

Registration

The Registration should be done at the respective College on first day of reopening of 4th semester and orientation of the programme on second day. Registration would not be permitted after two days under any circumstances.

Orientation

During the orientation programme, the following aspects are to be covered.

- a. Objectives of the programme
- b. Items of the work to be attended by the students
- c. The Information to be collected
- d. Records to be maintained
- e. Weekly and other reports to be submitted by the student to the Chairman of Advisory Committee
- f. Location of seed companies, villages and help in case of emergencies.
- g. Attendance requirement.

Attendance

The attendance of the student shall be maintained by the host farmer / representative of industry and particulars are furnished to the Chairman of the Advisory Committee. The minimum attendance required for this programme is 75%. The student will be eligible to appear for the viva-voce (final) examination and get evaluated for the entire programme, only if the attendances requirements is met with. The period of stay in seed company / villages should not be extended to make up the shortage of attendance.

In the event of falling short of attendance, the student has to re-register for the programme when offered next.

Student discipline:

Student whose activities are prejudicial to the interest of the programme / University or indulging in any malpractices shall be withdrawn from the programme.

Scheduled of Work

First six weeks

A batch of 4 to 5 students will be placed in each selected village of Nizamabad district and one student will be allocated to one host farmer. Students will work out the assignment on seed production of five major crops.

Subsequent eight weeks

A batch of 4 to 5 students will be allotted to each seed company in the Nizamabad district and students will be involved themselves in the activities of the company.

Total period

$$37+49+12+8+2 = 108 \text{ working days}$$

Evaluation

The students shall be evaluated by internal as well as an external evaluation committee.

Internal

The advisory committee shall meet once in a month and evaluate the performance of the student when he/she in field / seed company in the collection of data and participation of activities in the field as well as in Industry.

External

The external evaluation committee nominated by the Dean of Agriculture consists of two teachers i.e. one teacher from other polytechnic and one scientist (plant breeder) of the nearby Research station. The members of the committee shall evaluate all records submitted by the students. The average of marks secured shall be checked and countersigned by the Principal, Seed Technology Polytechnic, Rudrur. The student shall obtain a minimum of 40 per cent of

marks in internal evaluation and 40 per cent marks in external evaluation for successful completion of the course. If he/she obtains below 40 per cent of marks in internal / external evaluation shall be deemed to have failed and 'F' shall be indicated in grade report

The students who has failed, has to re-register the programme on project work when offered in the semester next by paying the necessary fee. However, if the External evaluation committee feels that the student can improve the standard of the record in failed component, he / she can submit the record again as per the report and recommendation of committee. This resubmission should be done before the last working day of the next semester. Such students shall pay re-examination fee also.

Marks Allotment

S.No.	Title	Internal evaluation Marks	External Evaluation marks	Total marks
1.	Assignment on seed production in villages	75	75	150
2.	Project report on seed company	125	125	250
3.	Presentation of project work and village socio economic survey	-	-	50
4.	Viva-Voce examination	-	-	50
5.	English and communication skills (course)	-	-	100
	Total	-	-	600

ANNEXURE – I

VILLAGE SURVEY

Village

Mandal

District

Investigator

Date of survey

1. Location of village
Infrastructure
Distance from Mandal Head Quarters
Distance from Post Office
Distance from school
Distance fro godown / warehouse
Distance from Bank / Rural bank

2. Population

3. Land utilization

Soil type	Black	()	Red	()
	Alluvial	()	Others	()

Area in Hectors

- a. Geographical area
- b. Total cropped area

4. Source of irrigation

Canals (No)

Tans (no)

Wells (no)

Tube wells (no)

Total net area irrigated

Problems of irrigation, if any

5. Crops grown

6. Input supply

6.1: Extent of area under covered under HYV and local varieties

	Crops	HYV	Local
1.			
2.			
3.			

6.2: Source of parental seed material obtained

PERFORMANCE SHEET – 1 (b)
(External Evaluation)

Name of seed village :

Second semester

S.No.	Name of the Student	I.D.No.	Survey of village allotted to the student 15 (M)	Technical component of seed production report 15(M)	Comparison with recommended management / practices 15 (M)	Reasons for adoption / non-adoption of recommended / practices 15(M)	Comments / suggestion for improvement of seed production of the students 15 (M)	Total Marks 75 (M)

Signature of Evaluation

Principal Seed Technology Polytechnic

1.

2.

PERFORMANCE SHEET – 2 (a)
(Internal Evaluation)

Name of seed company:

Periodically Evaluation of the student :

Second semester :

S.No	Name of the student	I.D.No	Each week's work for 15 marks								Total
			1 st 12(M)	2 nd 12(M)	3 rd 12(M)	4 th 12(M)	5 th 12(M)	6 th 15(M)	7 th 15(M)	8 th 15(M)	

Signature of the Member of Advisory Committee

Chairman

Representative of Seed industry

Course i/c.

PERFORMANCE SHEET – 2 (b)

(External Evaluation)

Name of seed company :

Second semester

S. No.	Name of the student	I.D.No.	Observations recorded on seed Total companies profile, organizations, seed 125 production of different crops, R & D (Marks) activities like hybrids seed production, seed processing, machinery used in processing seed marketing and also comments of the students 125 (marks)
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Signature of Evaluators

Principal Seed Technology Polytechnic

1.

2.

ACHARYA N.G. RANGA AGRICULTURAL UNIVERSITY
ADMN. OFFICE: RAJENDRANAGAR: HYDERABAD – 500 030

Memo.No.51291/Acad.I/A1/2006

Date:24.5.2007

Sub: Agricultural Polytechnic offering Seed Technology course at RS & RRS, Rudrur – Allotment of courses and syllabus for 4th semester courses in IInd year – certain modifications suggested by Academic Council for Implementation – Regarding.

Ref: 1. Resolution No.2337 of the Academic Council meeting held on 26.2.2007.
2. Memo.No.51291/Acad.I/A1/2007, dated 24.06.2007.

* * *

In suppression of the orders issued in the memo 2nd cited and in pursuance of the modifications suggested by Academic Council for implementation for 4th Semester Courses in IInd year of Seed Technology Courses offered at Rudrur, the following modifications with regard to the allotment of marks in the 4th Semester of Diploma in Seed Technology at Agriculture Polytechnic, RS & RRS, Rudrur are issued.

		Internal	External	Total
1.	Assignment on Seed products in village	100	100	200
2.	Project work seed company	125	125	250
3.	Presentation of project work village socio economic survey	100	-	100
4.	VIVA – Voce examination	50	-	50
5.	English and Communication skills	Satisfactory	Un-Satisfactory	-
Total		375	225	600
Qualifying marks		150	90	240

The Principal Agricultural Polytechnic, RS & RRS, Rudrur is requested to implement the above marks as approved by the Academic Council.

DANDU JAGANNADHA RAJU
REGISTRAR

To
The Principal, Agricultural Polytechnic, Diploma in Seed Technology
RS & RRS, Rudrur, Nizambad dist.
CC to : Controller of Examination

ANNEXURE –I

VILLAGE SURVEY

Village : Ankapoor

Mandal : Armoor
District : Nizambad
Date of Survey:

1. Location of Village : On NH 16 Nizamabad to Jagalapur
(M.P.)

Infrastructure

Distance from Mandal Head Quarters : 5 kms away from Armoor
Distance from Post Office : 20m from
Distance from School : 200m from
Distance from Godown / Warehouse : 200m (Spices board godown)
Distance from Bank / Rural bank : 100m (1. Andhra Bank) (2.PACS ltd.)

2. Population : Men : 2948 women : 3070 Total: 6054

3. Land utilization

Soil type	Black	(v)	Red	(v)
	Alluvial	(v)	Others	(v)

Area in Hectors

a. Geographical area : 2205 acres
b. Total cropped area : 1686.38 acres

4. Source of Irrigation

Area

Canals (No) : 117.13 acres (Nizamsagar canal)
Tanks (No) : 58.15 acres (1)
Wells (No) : --
Tube Wells (No) : 800 bore wells Area : 1776 acres

Total net area irrigated : 1686.38 acres

Problems of irrigation, if any :

5. Crops grown : Paddy, maize, Turmeric, Chilli, Grodundnut, Vegetables, Jowar and Bajra

6. Input supply

a. Extent of area under covered under HYV and local varieties

Crops		HYV	Local
S.No.	Crop	Area (Acres)	
1.	Paddy	50	
2.	Maize	504	
3.	Turmeric	300	
4.	Chilli	100	
5.	Groundnut	15	
6.	Vegetables	150.30	
7.	Fodder Jowar	1200	
	Total	1547.37	

b. Source of parental seed material obtained.

c. Manures and Fertilisers used for each corps

S.No.	Crops	Quantity used /ha	Price	Total cost Rs.
1.	PADDY	3 bags of DAP	490/- per bag	1470/-
		3 bags of Urea	340/- per bag	1020/-
		During 30 days 2 bags of urea	252/- per bag	504/-
2.	JOWAR (SSG)	2 bags complex 12:32:16 at the Time of sowing	360/- per bag	720/-

3.	BAJRA	2 bags complex 12:32:16 at the time of sowing	360/- per bag	680/-
4.	Turmeric	2 bags complex 12:32:16 at the time of sowing	360/-	720/-
		After 60 days 2 bags of MOP and	340/- per bag	680/-
		2 bags of Urea	250/- per bag	504/-
5.	MAIZE	2 bags complex 12:32:16 at the time of sowing	360/- per bag	720/-
6.	VEGETABLES	2 bags complex 12:32:16 at the time of sowing	360/- per bag	720/-
		2 bags of urea after 40 days	252/- per bag	504/-

8. Pesticide used per hectore

S.No.	Crops	Pesticide Qty./ha	Cost/ha	Total Cost Rs.
1.				
2.				
3.				

9. Particulars of Seed Production

S.No.	Crops	Quantity of Seed Produced /ha	Total seed produced
1.	PADDY	70 qtl/ha	1400 qtl/20ha
2.	MAIZE	45-62.5 qt/ha	9720-13392qtl/216ha
3.	TURMERIC	62.5 qtl/ha	7500 qtl/120 ha
4.	GROUNDNUT	30 qtl/ha	180 qtl/6ha

(i) Cost of Cultivation including labour cost, material cost for each operation.

10. Marketing of Seed

a. Do you feel that the price received by you is remunerative ? Yes ? No: No

If not, what price do you expect ? : Rs.3000 in turmeric

b. Do you feel that existing market facilities are sufficient ? Yes ? No: Yes

if not, what are the problems you face in marketing ?

11. List out the problems faced by you as seed grower.

- In seed production
- In seed processing
- In seed storage
- In seed marketing.

Ankapoor – A Model Village – Art of Farming

A self sufficient and progressive village – ANKAPOOR, Mandal, Armoor, Dist Nizamabad, Andhra Pradesh, India.

Ankapoor village is located on NH 16 Nizamabad to Jagalapur (M.P.) and it is nearer to the National Highway 07, Hyderabad to Nagpur road. It is 21 kms away from Nizamabad. The Village is one of the model villages in the country, its and 5 km away from ARMOOR various developmental activities are furnished here under.

A. Basic Information of the village

1. Total geographical area	205 acres
2. Total survey nos.	710
3. Number of pattadars	567
4. Total number of cultivators	560
5. Barren and un-cultivated land	280.05 acres
6. Land put to non-Agricultural use	385.10 acres
7. Permanent pastures & grazing lands	90.12 acres
8. Suitable land for cultivation	1686.38 acres
9. Other fallow lands	36.15 acres
10. Current fallow lands	104.26 acres
11. Gross cropped area	1545.37 acres
12. Area sown more than once	1545.37 acres*
13. Area under each cultivation	2.7 acres

* Farmers take up more than 2-3 crops in a calendar year, from the cropped area of the village by meticulous planning of crop rotations, hence the crop intensity is more than 200%.

(B) Population census 2001

(i)	Men	2984 contribute 49%
(ii)	Women	3070 contribute 51%
(iii)	Total	6054

Literates

Men	1763	29%
Women	1081	17%
Total	2844	46%

Computer established (to be online) accounts, internet 32,500/- Compaq (to be installed shortly)

Internet connection	-	1
Computers	-	5

Raithu Sangam

- Seed production
- 1. Fodder Jowar) F/S (purchase)
And Bajra) C/S Production & Marketing
- A guiding village in the area for fixation of procurement rates for S.S.G. & P. aNa
Soybeen Scidan Grass and Ba
- Sarva Samaj an ombudsman for every dispute for every dropute

S.C's

(i)	Men	426 (49%)
(ii)	Women	449 (51%)
	Total	875

S.T's

(i)	Men	13 (45%)
(ii)	Women	16 (55%)
	Total	29
	Householders	1427

Particulars of the vehicle

Total Number of tractors	27
Total number of cars	60
Total number of two wheelers	400
Total number of lorries	05
Total number of multi crop threshers	26
Total number of Paddy threshers	20
Total number of maize shellers	60
Total number of bajra power threshers	11
Total number of hand sprayers	250
Total number of power sprayers	15

Cropped Area particulars for Kharif - 2000

S.No.	Name of the crop	Area sown acres	Estimated yield per acre	Crop condition
1.	Paddy	50	28.00 Qtl	Satisfactory
2.	Maize	504	18-25 Qtls	Green cobs are sold
3.	Turmeric	300	25 Qtls	Good
4.	Chilli	100	-	Good
5.	Groundnut	15	12 Qtls	Satisfactory
6.	Vegetables	150.30	-	-
Total		1545.37	-	-

Total number of Agricultural bore wells	=	800
Area under each bore well	=	2.22 acres
Horticulture and mango plantation	=	55 acres
Area under tanks	=	58.15 acres
Area under canals	=	117.13 acres

(When the canal water is not released, area is supported by bore wells)

Infrastructure Available

Spices board Godown

The godown was constructed in collaboration with central spices board, Cochin. The institute had donated Rs.5 lakhs and people contribution is Rs.6 lakhs.

Credit

The farmers are progressive. They approach banks and primary agricultural co-operative credit society for loan. Primary Agriculture Co-operative is catering the needs of farmers by supplying pesticides and fertilizers. There are ten private seed producing and processing units. They produce and export to different states in India.

Credit facility available with banks and primary agricultural co-operative society

ANDHRA BANK, ANKAPOOR BRANCH

3.60 crores	Agricultural Loans	1200 farmers
1.80 crores	other loans	120 beneficiaries

P.A.C.S. LTD., ANKAPOOR

57.16 lakhs	Short term loans	330 farmers
27.00 lakhs	long term loans	83 farmers

The villagers also extended their help to the farmers of other district. They provide lodging and boarding facilities and also explain the new agricultural technology, they are adopting.

Village particulars (As per 2001 census)

1.	Males	2984
	Females	3070
	Total	6054

2. Sarpanch - Mara Chandra Mohan Reddy Ph.No.227040, Cell: 98481 98657 & 9247111779

3. Upa sarpanch - Nall Rukma Reddy, Ph.No.227777, Cell: 984830517

4. Ward members – 12
5. Gram panchayat Building 2205 yards
6. Health and sanitation
7. Protected water supply 20,000 lit x 1 No.
 1,20,000 lit x 1 No.
 90,000 lit x 3 No.
8. Light facility – Central lighting from NH-16 to Village Centre (Gandhi Statue) (3 lakh G.P. Funds 80 Mercury lamps) 40-poles (20 Poles donated by Seed processing units)
9. Schools

Primary schools	2 (private)
Higher secondary schools	1 (private)
Primary Schools	2 (Govt.)
Higher secondary schools	1 (Govt.)
V.P.S	1 (Govt.)
10. Health Centres 1 (Private building)
11. Veterinary hospitals 1 (Private building)
12. Library building 1 (Private building)
13. Smashana vatika 1 with water facility
14. Fare price shops 2 Nos.
15. Telephone facility 22473
16. Dwakra Groups 35
17. Post Office 1 No.
18. Banks 2 No.
19. Seed Processing plants 10 No.
20. Market Yard 1 No.
21. Main Road Facility NH-16
22. Bus Shelter 1 No.
23. Rail Connection to the village Proposed (Nizamabad, Karimnagar and Peddapalli)

Other Information

1.	(i) DWACRA groups	35
	(ii) Members	550
	(iii) Revolving fund receiving groups	13
2.	Family planning operations	50-60/year
3.	Immunization to children	109 ANIM, Health Asst.
4.	Physically handicapped pensions	11 beneficiaries
5.	Old age pensions	50+11 beneficiaries
6.	Widow pensions	19 beneficiaries
7.	Tree planting taken up clean and green	6400 + 1000
8.	Annapurna pathakam	8
9.	Animals treated	14750
10.	Adharana Pathakam	76+2 beneficiaries
11.	Mundadugu Pathakam	01 beneficiaries
12.	Deepam Pathakam	47 beneficiaries
13.	Girlchild protection scheme	15 beneficiaries
14.	Anthyodya	68 beneficiaries

The Farmers club

The farmers club was formed during 1999 with 30 members from all castes. The Department of Agriculture, Armoor division and Andhra Bank of Ankapoor are associated with farmers club. The main functions of farmers club are.

1. The members of club are trained during fortnightly in Agriculture market committee training camps and in turn they explain to the farmers.
2. The club members form a bridge in transfer of technology between department and farmers.
3. The club also recommends for issue of loans and helps in recovery of loans.

FARMERS ORGANIZATIONS (F.O'S)

Farmers organizations are initiated to strengthen the extension delivery system. The viable farmers organizations would be strengthened to help the farmers for quick adoption of new technology. For 2000-2001 as per the phasing of the ninth plan 13 F.O's were selected. The proposals from various organizations were received through state government or SAU's. The high powered committee in its meetings held on 4th August 2000 selected 7 farmers organizations out of 18 proposals received from state government or State Agricultural Universities, keeping in view of the selection criteria like registration, commodity based operations and membership of farmers and also the existing financing status. The selected farmers organizations comprised of 2 from A.P., 4 from Maharashtra and 1 from Pondichery.

Objective

The Principal objective is to involve the farmers through their organization in the process of transfer of Technology and to integrate their efforts with the main agricultural extension systems in the state. Objective of the scheme would be achieved by undertaking activities as follows.

1. Commodity base workshops
2. Farmers training
3. Preparation and procurement of training to farmers
4. Conducting study tours.
5. Production and procurement of farm information material and audio visual aids.
6. Organising field days and kisan goshties.

Guradi Kapu Sangam

It is a registered farmers organization of Ankapoor village, Armoor mandal of Nizamabad Dist. of A.P. with registration No.2223. There are 260 members in this organization, who elected 11 members working group, president, vice-president and secretary. The main purpose of forming this rythu organization is to help the farmers community of ankapoor village in all activities connected with Agril. And allied sectors.

The total cultivated area is under irrigation with the bore well and Nizamsagar canal. Principal crops grown are maize and turmeric during kharif, jowar, bajra are taken up during rabi.

season. Paddy is grown under canal as Abi and Tabi vegetable crops grown throughout the year, maize, bajra and jowar crops are grown as seed production crops only.

Guradi kapu rythu sangam organization seed production agency between the seed companies and the farmer members. The farmers are assured of remunerative prices besides getting all the inputs on reasonable prices. The farmer organization conducts seminars, workshops and interaction programmes in co-ordination with the department and Agricultural University.

Action Plan for 2000-2001

I. Workshops	Rs.100000.00
II. Farmers training (2 days duration)	Rs.125000.00
III. Training material	Rs.25000.00
IV. Tour program (30 farmers in each group)	Rs.8000.00
V. Audio visual aids	Rs.20000.00
VI. Field day and Kisan Ghosties	Rs.100000.00
Grand Total	Rs.400000.00

Under the NSS special camp Prof. M. Ganesh visited the village Ankapoor on 11.11.2000 along with 125 Agricultural Students of ANGRAU and interacted with the villagers and sarpanch. They have visited various fields of the village and drawn the following conclusions.

The reasons for the success of the village:

1. Good team work
2. Small holding with intensive cultivation
3. Raising three crops in a year thus the crop intensity is about 300%
4. Application of 3 truck loads of farm yard manure whenever the soil losses fertility (which is tested based upon the turgidity of the soil)
5. Application of tank silt
6. Lesser application of chemical fertilizers and plant protection measures

7. No land is kept barren in the village
8. Seed production of maize and bajra and commercial crops like turmeric and vegetable cultivation
9. Turmeric and maize mixed cropping in kharif
10. All crops are grown to meet their basic needs like garlic, ginger, chilli, redgram, coriander, radish etc; in small areas.
11. When power supply is erratic each farmer collects water in a pond on the elevated structure in his field and water is released to the field as per his convenience.
12. Village level disciplinary committee system is formed, if anybody does not obey the order of the committee he will be socially boycotted
13. Market yard; they sell their farm produce in the village itself
14. Co-operative bank and a nationalized bank (Andhra Bank) are present in the village
15. Organic farming & sustainable agriculture is the main concern of the farmers]
16. They take care of soil health problems
17. Women generally attend farm operations and men look after marketing
18. Irrespective of the political party, after the elections villagers celebrate and enjoy in front of gram panchayat and they forget all the differences.
19. No middle men system in the market purchases
20. A number of seed processing plants are available in the village
21. If there is any success story of crop yield / farm or crop management, all the farmers visit the field with the true spirit.
22. All religious functions, marriage etc. are attend without any discrimination of caste, creed etc.
23. Rice and orchards are preferred lastly. They feel these are the least attention paid crops or lazyman's crops
24. Weather report, pest and disease problems in the field will be displayed at the village centre corner on a notice board
25. Grampanchayat is the nodal point to receive and exchange the ideas on the farm front.

26. Their strong strength is the will power, if the nature gambles to some extent man can change or alter the predictable environment like date of sowing, irrigation, judicious, plant protection measures, timely required fertilizer application and weeding etc. and to save the crop to get optimum yields.
27. Gram panchayat provides utmost hospitality that is boarding and lodging to the visiting farmers.
28. Most of the literate persons have not joined in the government services. They preferred agriculture profession only.
29. They will not depend much on government assistance, machinery, subsidy etc.
30. They became self sufficient with their foresight, hard work, team work and unity among the farming community.
31. They are very co-operative to help the neighboring villages and the visitors to follow their package of practices, thereby number of villages and farmers were benefited in this region and other regions.
32. Effective farmers club, farmers organizations to update the knowledge in agriculture and good organization of Guradi Kapu Sangam.
33. As we take lot of care to the rose plant, in the same way, they take intensive care to their fields.

The self sufficient village Ankapoor, knows the art of farming the main reason for the success of farming community in the village. Good team work, intensive cultivation, raising of three crops in a year following crop rotation taking care of soil health problem by application of farmyard manure and tank silt. Little application of chemical fertilizers and need based plant protection measures. No piece of land is kept barren. They raise all the crops which are needed for them, like rice, maize, ginger, chilli, coriander, pulses, groundnut, vegetables, besides commercial seed production and turmeric crop. The farmer club members are forming a bridge in transfer of technology between department and farmers.

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