

# The Annual Quality Assurance Report (AQAR) of the IQAC

## Part – A

AQAR for the year (for example 2013-14)

2015-16

### 1. Details of the Institution

1.1 Name of the Institution

Mahatma Gandhi Mahavidyalaya,  
Ahmedpur

1.2 Address Line 1

Nanded –Bidar Road, Ahmedpur

Address Line 2

Tq. Ahmedpur, Dist- Latur

City/Town

Ahmedpur, Dist- Latur

State

Maharashtra

Pin Code

413515

Institution e-mail address

principal\_mgm@rediffmail.com

Contact Nos.

(02381) 262060

Name of the Head of the Institution:

Dr. G.D. Bagde

Tel. No. with STD Code:

(02381) 262060

Mobile:

9423813477

Name of the IQAC Co-ordinator:

Dr. M.M. Nivargi

Mobile:

09423351215

IQAC e-mail address:

mmnivargi@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN 10813

OR

1.4 NAAC Executive Committee No. & Date:

EC(SC)/05/RAR/088 dated March 3,2015

1.5 Website address:

<http://www.mgmahmedpur.org>

Web-link of the AQAR:

[http://www.mgmahmedpur.org/?page\\_id=22](http://www.mgmahmedpur.org/?page_id=22)

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B++	84	2004	5 years
2	2 <sup>nd</sup> Cycle	A	3.02	2015	5 years

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

01/04/2004

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

*AQAR 2014-15 submitted to NAAC on 13-05-2017*

1.9 Institutional Status

University

State

Central

Deemed

Private

Affiliated College

Yes

No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

Swami Ramanand Teerth Marathwada University, Nanded

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence  UGC-CPE

DST Star Scheme  UGC-CE

UGC-Special Assistance Programme  DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

05

2.2 No. of Administrative/Technical staff

01

2.3 No. of students

01

2.4 No. of Management representatives

01

2.5 No. of Alumni

01

2.6 No. of any other stakeholder and  
community representatives

01

2.7 No. of Employers/ Industrialists

01

2.8 No. of other External Experts

00

2.9 Total No. of members

12

2.10 No. of IQAC meetings held

05

2.11 No. of meetings with various stakeholders: No.  Faculty   
 Non-Teaching Staff  Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No   
 If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

Regular review of academic and research activities. Initiatives towards infrastructural development.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
To take a review of the academic and other attainments during the previous year and suggest measures for improvement.	Review of the academic and other attainments during the previous year was taken from staff and measures for improvement were discussed,
To make plan for conducting interdisciplinary refresher course at the college with aid from UGC.	Proposal for conducting interdisciplinary refresher course at the college with aid from UGC was submitted through the university. UGC officials were consulted.

To take measures for the placement of staff under CAS.	The respective staff members were guided for making placement proposals.
To discuss plans for construction of Boys Hostel	It was decided to make building plan and to seek financial assistance from the UGC.

2.15 Whether the AQAR was placed in statutory body Yes  No

Management  Syndicate  Any other body

Provide the details of the action taken

Academic reforms were implemented on college level. The placements of staff were made by the end of the year. New proposals for refresher and building were submitted.

## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	05			
PG	04			
UG	05			
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
<b>Total</b>	14			

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	14
Trimester	
Annual	

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
*(On all aspects)*

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The staff participated in the implementation of the CBCS pattern by the University.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
30	20	07	00	03

2.2 No. of permanent faculty with Ph.D.

22

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
	08								

2.4 No. of Guest and Visiting faculty and Temporary faculty

02

02

42

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	03	11	03
Presented papers	08	25	01
Resource Persons		02	

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The staff were sensitized about the significance of the use of ICT in teaching. ICT use was encouraged.

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

MCQ type questions were added in the semester examinations

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

04

2.10 Average percentage of attendance of students

80

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
BA(final)	99	43	26	02	02	67.97
BSc(final)	113	53	15	05	04	68.14
B Com(final)	140	66	53	03	00	87.14
BScCS(final)	09	04	02	00	00	66.66
BCA(final)	08	00	01	03	01	62.50
MA Eng(final)	08	00	03	02	01	75
MAGeog(final)	26	15	08	00	00	88.46
MAMar(final)	09	00	04	02	00	66.66
MSc(final)	13	00	07	03	00	76.92

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

The IQAC considers practical problems in teaching at college level. The staff and students are aided through discussion and suggested remedies. The internal evaluation is constantly monitored.



### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	02
UGC – Faculty Improvement Programme	
HRD programmes	01
Orientation programmes	01
Faculty exchange programme	
Staff training conducted by the university	01
Staff training conducted by other institutions	02
Summer / Winter schools, Workshops, etc.	02
Others	

### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	08	18		
Technical Staff	25	27		

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

The staff is informed about new research opportunities and is helped to submit proposals. Publications are encouraged in international journals. Orientation to research fellows is provided.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		01		
Outlay in Rs. Lakhs		571000/-		

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number			01	05
Outlay in Rs. Lakhs			2,65,000/-	2,25,000/-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	05	11	
Non-Peer Review Journals			
e-Journals			
Conference proceedings	02	06	06

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

#### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2014	UGC	5,71,000/-	
Minor Projects	2015	UGC	2,65,000/-	
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)				
Total				

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
 DPE  DBT Scheme/funds

3.9 For colleges

Autonomy  CPE  DBT Star Scheme   
 INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	01
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows  
Of the institute in the year

Total	International	National	State	University	Dist	College
01			01			

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

09

31

3.19 No. of Ph.D. awarded by faculty from the Institution

02

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF  SRF  Project Fellows  Any other  03

3.21 No. of students Participated in NSS events:

University level  225 State level  04

National level  International level

3.22 No. of students participated in NCC events:

University level  106 State level  06

National level  International level

3.23 No. of Awards won in NSS:

University level  State level

National level  International level

3.24 No. of Awards won in NCC:

University level  State level  03

National level  01 International level

### 3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

### 3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- AIDS awareness camp
- Science orientation for schoolchildren

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	15.4 Acre		College Management	15.4 Acre
Class rooms	44			44
Laboratories	10			10
Seminar Halls	02			02
No. of important equipments purchased (≥ 1-0 lakh) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)		1,17,402/-	College Management	
Others				

#### 4.2 Computerization of administration and library

Office has been computerized in all the major operations. Bar coding and data storage in library is completed.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	32080	4345742	202	75456	32282	421198
Reference Books	21389	2897163	135	50304	21524	2947467
e-Books(NList)	97000	5000			97000	5000
Journals	28	26314	01	265	29	26579
e-Journals(NList)	6000	5000			6000	5000
Digital Database	-	-	-	-	-	-
CD & Video	1217				1217	
Others (specify)						

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	121	60		10		10	46	05
Added								
Total	121	60		10		10	46	05

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

The Computer department organized annual orientation schedules for internet use and advanced training for the students.

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	.5
ii) Campus Infrastructure and facilities	18.77
iii) Equipments	.57
iv) Others	2.2
<b>Total :</b>	<b>22.04</b>

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC holds meetings for locating problems in student support mechanisms. Appropriate measures are taken to resolve these problems.

#### 5.2 Efforts made by the institution for tracking the progression

Regular survey is taken for tracking student progression.

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1559	191	55	1805

#### (b) No. of students outside the state

#### (c) No. of international students

Men	No	%	Women	No	%
	1064	59		741	41

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
931	279	26	623	-	1859	855	316	30	598	06	1805

Demand ratio

Dropout % 8

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

The Career Guidance Cell arranges lectures and provides library facility for competitive examination coaching.

No. of students beneficiaries

115

### 5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
IAS/IPS etc  State PSC  UPSC  Others

### 5.6 Details of student counselling and career guidance

Career guidance is provided by the Career Counseling Cell. Visiting professionals, officers are invited for counseling.

No. of students benefitted

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
02	20	08	13

### 5.8 Details of gender sensitization programmes

The gender sensitization was carried out through the Women Empowerment Cell with collaboration from the NSS unit in its annual camp. Separate programmes were arranged for girl students.

### 5.9 Students Activities

#### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level



5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government	1603	1241355/-
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: \_\_\_\_\_

## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

**Vision:**

Commitment to the best quality higher education for achieving meaningful learning outcomes through teaching, research, scholarship and community engagement.

**Mission:**

- Imparting excellent instruction and promoting relevant research for enabling the rural youth to face challenges in a rapidly changing world.
- Ethical, social, cultural, and physical development of the students.
- Creating broadly educated citizens with scientific and inclusive outlook.

#### 6.2 Does the Institution has a management Information System

Yes

#### 6.3 Quality improvement strategies adopted by the institution for each of the following:

##### 6.3.1 Curriculum Development

The faculty worked on the University bodies for adoption of the CBCS pattern. Curriculum was modified accordingly.

##### 6.3.2 Teaching and Learning

Eminent teachers were invited to deliver talks regarding the Teaching-Learning improvement.

##### 6.3.3 Examination and Evaluation

Orientation regarding the CBCS pattern was provided at the college level.

##### 6.3.4 Research and Development

The faculty members were encouraged to take up new research projects.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Plans to modernize the laboratory equipment were presented for approval.

6.3.6 Human Resource Management

Staff duties were reassigned to attain maximum utilization of the available human resources.

6.3.7 Faculty and Staff recruitment

Persuasion for filling vacancies was made at the state government level.

6.3.8 Industry Interaction / Collaboration

The Science departments explored new possibilities of establishing collaborations with the industrial sector in the vicinity.

6.3.9 Admission of Students

The admission process was streamlined.

6.4 Welfare schemes for

Teaching	1
Non teaching	1
Students	1

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done

Yes

No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	College committee
Administrative	No		Yes	College committee

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes      Yes     No

For PG Programmes      Yes     No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

The University is introducing CBCS pattern gradually.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Colleges are encouraged through workshops to adopt autonomy.

6.11 Activities and support from the Alumni Association

The Alumni Association has assumed responsibility for medical check-up and health awareness programmes.

6.12 Activities and support from the Parent – Teacher Association

Parents are invited for interaction with the teachers.

6.13 Development programmes for support staff

Support staff is deputed for training and workshops form time to time.

6.14 Initiatives taken by the institution to make the campus eco-friendly

Use of Bio-gas plant is made for cooking at the college canteen. Regular care of the Botanical garden and campus vegetation is taken.

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Use of ICT based modules in the practical and classes has enhanced student interest in learning.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

The staff was oriented for using internet resources in the teaching process.  
Placement of the staff through Career Advancement Scheme was made.  
New proposals for courses and infrastructural development were prepared and submitted.

7.3 Give two Best Practices of the institution

1. Science orientation to schoolchildren.
2. Free soil testing for the farmers in the vicinity.

7.4 Contribution to environmental awareness / protection

The waste material was used for bio-gas plant at the canteen. Compost pits were dug in the campus for disposal of bio waste.

7.5 Whether environmental audit was conducted? Yes  No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

**8. Plans of institution for next year**

Introduction of pre-doctoral (MPhil) courses at the PG centers

Addition to hostel facility (Building for Boys Hostel)

Name \_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*Signature of the Coordinator, IQAC*

*Signature of the Chairperson, IQAC*

\_\_\_\_\_ \*\*\* \_\_\_\_\_

## Annexure I

### **Academic Calendar for the year: 2014-15 \**

1. The process of recruitment of required teaching and non teaching staff would be started from : 01st June 2015.
2. The opening of college : 16th June 2015.
3. Admission process will be completed during the period : 16th June – 30th June 2015.
4. The time table to be displayed on Notice Board : 02-07-2015.
5. Commencement of regular class from : 26th June 2015
6. Formation of student council by : 20th August 2015
7. Celebration of Independence Day : 15th Aug. 2015.
8. Celebration of Sadbhavana Day : 20th Aug. 2015..
9. Celebration of Sadbhavana fortnight : 20th Aug. to 5 Sept. 2015..
10. Celebration of Teachers Day : 5th Sept. 2015.
11. Inauguration of student's council : Sept. 2015.
12. Celebration of University foundation day and Marathwada Liberation Day : 17th Sept. 2015.
13. University foundation week : 17th Sept. to 24th Sept. 2015.
14. Celebration of Mahatma Gandhi Jayanti : 02nd Oct. 2015.
15. Celebration of National Service Scheme (NSS) week : 17th Sept. to 24th Sept. 2015.
16. College examination : September 2015.
17. University examination : Sept. and Oct. 2015..
18. Diwali Vacation : Oct/Nov 2015.
19. Opening of college after Diwali Vacation : Nov/Dec2015.
20. Celebration of NCC Day : 04th Nov. 2015.
21. Commencement of the class of 2nd semester from : Nov/ Dec.(UG/PG) 2015.
22. Celebration of Youth Day : 12th Jan. 2016.
23. Celebration of Youth week : 12th Jan. to 19th Jan. 2016.
24. Annual NSS Camp : 28-12-12 to 03-01-2016
25. Annual Social Gathering : 25-27th Jan 2016.
26. Celebration of Republic Day : 26th Jan. 2016.
27. College examinations : 21st to 28th Feb. 2016.
28. Medical Check up : Aug. 2015 & Feb. 2016.
29. Dr. Ambedkar Jayanti :14<sup>th</sup> April 2016
30. Celebration of Maharashtra Day : 01st May. 2016.

## **Annexure II**

### **Best Practice 1**

**Name of the Practice:** Science orientation to schoolchildren.

#### **1. Objective of the practice:**

To provide advanced orientation about scientific devices, experiments, phenomena etc. to the schoolchildren

#### **2. Need addressed and the context:**

Many schoolchildren in the rural area are deprived of actual contact with scientific instruments and experiments due to various factors like lack of resources and trained teachers at the schools. These children can develop interest in science and adopt a scientific attitude if they are given proper orientation at the laboratories available in the college. Most of the rural schools have infrastructural limitations which can be overcome by collaboration with the college.

#### **3. The practice:**

The college teachers organized visits of schoolchildren (classes 8,9,10) to the college laboratories and acquainted them with the apparatus used in the laboratories. The life sciences laboratories have a good collection of plant and animal species. These were shown to the school students. The teachers also performed selected experiments to explain basic scientific phenomena. Two groups of students from two rural schools were benefitted by this programme organized on two occasions.

#### **4. Evidence of success:**

The schoolchildren asked various questions to the teachers regarding the experiments and the models shown to them. It was evident that their curiosity was aroused. They requested for yet another visit. Along with the students, their accompanying teachers also developed interest in the activity.

#### **5. Resources:**

The college utilized its human resources ( expertise of the teachers) for this activity. The travel expenses were made by visitors. The college did not require major financial resources for this activity.

#### **6. Problems encountered:**

Care had to be taken to fit the schedule of the visits without disturbing the college activities. The supervision of the schoolchildren was mainly done by their accompanying teachers. The college did not encounter significant problems to carry out this activity.

**7. Notes:** The college teachers had to adopt a simpler method of demonstration and use of regional language to establish rapport with the schoolchildren.



## **Annexure III**

### **Best Practice 2**

**Name of the Practice:** Free soil testing for local farmers.

#### **1. Objective of the practice:**

To provide appropriate information regarding the soil to the rural small landowners.

#### **2. Need addressed and the context:**

The college is located in a non- irrigated geographical area mostly occupied by small landowners who have little access to the expertise of scholars. The college has a research center in Geography and conducts UG and PG courses in the subject Geography. The institution felt that it could carry out the analysis of the soil in adjoining areas which would add to the data at the research center and this analysis would also be utilized further to provide appropriate advice to the farmers who have meager resources.

#### **3. The practice:**

Teachers and research students of the Geography department visited different locations in the vicinity and collected soil samples from the fields of a number of small landowners. These samples were analyzed and the results were shown to the farmers. The analysis gave an idea about the composition of the soil which varied from field to field due to use of chemical fertilizers and other factors. The researchers could advice about the use of fertilizers to the farmers.

#### **4. Evidence of success:**

A number of small landowners were benefitted by the soil testing carried out at their fields. The advice for increasing the fertility was immensely useful for the cultivators of non-irrigated fields. The farmers were able to hold a meaningful interaction with the researchers and the teachers.

#### **5. Resources:**

The facilities available at the Geography Research center were used for this activity. No significant fund was needed for testing materials and equipment.

#### **6. Problems encountered:**

The visits had to be arranged in the pre-monsoon period and some of the landowners were not initially interested in the analysis results. Majority of the farmers, however, appreciated the gesture and also provided hospitality.