



**GRAIN MANAGEMENT CELL**  
GOVERNMENT OF PUNJAB FOOD DEPARTMENT LAHORE

***PROGRESS REPORT***  
**PART II**

**ON**  
**ACTIVITIES RELATED TO**  
**BULK GRAIN HANDLING AND STORAGE SYSTEM**

**USAID SUPPORTED PROJECT THROUGH MINFA - PIL # 35**

***MAY THROUGH NOVEMBER 1993***

***BY***

***SHAMSHER H. KHAN***  
**CONSULTANT**

***NOVEMBER 1993***

**GRAIN MANAGEMENT CELL**  
**PROVINCIAL RESERVE CENTER**  
**PUNJAB FOOD DEPARTMENT, GULBERG III LAHORE**

## **PREFACE:**

Main objective for the establishment of Grain Management Cell (GMC) is introduction of latest handling and storage techniques in the Food Department to make the existing grain handling system more efficient and economical.

Grain Management Cell (GMC) has accomplished its activities planned for the period May, 1993 through October 1993. Most of the activities relates to bulk grain handling, research and training. Punjab Food Department intends to gradually expand the GMC project activities for sustainability of the whole program. GMC Programs will ultimately enhance the capacity of Food Department and professional skill of PFD personnel to discharge their duties more effectively and efficiently.

Punjab Food Department has been able to procure and store a quantity of 75,000 MT of wheat in 1993 three times more against the target. Arrangements for delivery of these stocks to flour mills in bulk are being finalized. After delivery of such quantity in bulk, PFD would have substantial savings in subsidy allowed on gunny bags.

Initial success in implementation of GMC activities is because of collective efforts made by GMC team and consistent support of Secretary Food and Director Food Punjab. I also appreciate the technical assistance and advice being provided for continuation of GMC activities by Mr. Gulzar A Qazi Honorary Technical Advisor to Punjab Food Department.

I would like to extend my thanks to USAID for providing initial technical, financial and professional support for Grain Management Cell.

I am confident that Grain Management Cell will achieve its aims and objectives with the help and guidance of my seniors and with team work of my colleagues.

With best regards

*Mohammad Sharif*  
**Project Director**  
**Grain Management Cell**

**ACTIVITIES PLANNED FOR PHASE 11**

**(Revised)**

***MAY through November 1993***

- 1. Shifting, and installation of equipment for bulk wheat procurement and storage.**
- 2. Procurement , handling , and storage of 25,000 MT wheat in bulk during wheat crop 1993.**
- 3. Plan and deliver bulk wheat to flour mills**
- 4. Conduct seminar workshop on bulk grain management.**
- 5. Training in grain storage management and use of computer**
- 6. Research activities in pest control.**
- 7. Conversion of H/type godown for bulk storage.**
- 8. Other activities related to above program.**

## **PROGRESS ON PLANNED ACTIVITIES**

### **A. SHIFTING AND INSTALLATION OF BULK HANDLING EQUIPMENT**

Shifting , assembling and installation of bulk equipment from one place to another has always been time consuming and little difficult task. The equipment received from USAID to Punjab Food Department was available with PFD at different places. Right combination of equipment is necessary before starting any mechanical operation. Mechanical staff and operators of Grain Management Cell has been involved in dis assembling , shifting and installation of equipment where required for mechanical handling and storage of wheat. Shifting and installation of equipment was made as per plan placed at Annex: "A"

### **B. PROCUREMENT , HANDLING , AND STORAGE OF 25,000 MT WHEAT IN BULK.**

Punjab Food Department planned to procure and store and deliver a quantity of 25,000 MT wheat in bulk in Jhang District. As mentioned in the previous report Chak Kurniana Binishell storage facility of PFD was selected for the purpose of bulk handling and storage. However PFD had to expand its bulk program because of the interest of the PFD personnel in other Districts. Punjab Food Department decided to include Multan, Sahiwal, Khanewal and Karor Pacca in bulk program as the bulk handling equipment was already available at these places.

#### ***PFD EXCEEDED THE TARGET OF BULK WHEAT FROM 25,000 MT to 75,000 MT THREE TIMES MORE THAN THE TARGET***

As mentioned earlier a target of 25,000 MT was fixed for bulk wheat procurement but PFD was able to procure and store 75,000 MT wheat in bulk due to the expansion of program .

Area wise details procurement , handling and storage of bulk wheat is as under:

<b>JHANG - BINI SHELLS</b>	<b>25,000 MT</b>
<b>MULTAN SILOS</b>	<b>36,000 MT</b>
<b>KAROR HEX-BINS</b>	<b>2,000 MT</b>
<b>SAHIWAL HEX-BINS</b>	<b>6,000 MT</b>
<b>KHANEWAL HEX - BINS</b>	<b>6,000 MT</b>

Details and activities can be seen at Annex: " B"

### **C. DELIVERY OF BULK WHEAT TO FLOUR MILLS**

The completion of bulk wheat handling plan is subject to the delivery of bulk wheat to flour mills. Punjab Food Department and GMC staff held several meetings with flour millers to finalize the program. A brief detail of these meetings is given below :

- MEETING WITH FLOUR MILLS AT PINDI BY PROJECT DIRECTOR GMC
- MEETING WITH FLOUR MILLERS BY PROJECT DIRECTOR AND CONSULTANTS
- MEETING WITH FLOUR MILLERS BY SECRETARY FOOD
- MEETING WITH FLOUR MILLERS BY DIRECTOR FOOD
- MEETING WITH FLOUR MILLERS OF JHANG FAISALBAD BY GMC STAFF
- MEETING WITH PASSCO, NLC AND PRIVATE SECTOR FOR BULK TRANSPORTATION OF WHEAT.

Flour Millers had mixed reaction about PFD bulk delivery program. However flour millers demanded that PFD should give them an incentive of Rs. 5 to 10 as compensation out of the subsidy being given to flour mills on sale of bardana at the time of issuance of wheat in bags.

PFD proposed the flour mills for direct delivery of bulk wheat at their mills by transport contractors. This would be the enough incentive for the flour mills to receive wheat in bulk. It would also save handling, loading, and transportation charges being borne by the flour millers. The correct weight and quality of wheat is also ensured in bulk form.

At the moment following flour mills has given their consent to receive wheat in bulk.

*Supreme Flour Mills Multan Road Lahore*  
*Sunny Flour Mills Gulberg Lahore*  
*Crescent Flour Mills Faisalabad*  
*Flour Mill at Jhang*

Program for delivery of bulk wheat will be started in the last week of November or in the first week of December.

#### **Transportation of bulk wheat:**

Major constraint at the moment is how to transport wheat in bulk. After several meetings and negotiations following arrangements have been made by Punjab Food Department.

- a) Transportation of bulk wheat from Jhang to Faisalabad with bulk carriers available with Food Department or University of Agriculture Faisalabad..
- b) Transportation of bulk wheat with PASSCO bulk carriers (15 MT capacity each)
- c) Transportation of bulk wheat for long distance by private contractors.

## **INTEREST OF FLOUR MILLS ASSOCIATION IN PFD BULK PROGRAM**

Flour Mills Association Punjab has recently sent a resolution to the Directorate of Food Punjab on the following points supporting PFD bulk program :

**NEW FLOUR MILLS REGISTRATION SHOULD BE SUBJECT TO FULFILL THE PROVISION OF BULK HANDLING SYSTEM AT THE MILL.**

**ADVISE EXISTING FLOUR MILLS TO CHANGE THEIR WHEAT RECEIVING SYSTEM FOR BULK WHERE NEEDED.**

### **D. SEMINAR ON BULK GRAIN MANAGEMENT**

A seminar on Bulk Grain Management was conducted by Grain Management Cell on Sept. 25, 1993 in a local hotel. Initially seminar was planned for 20 to 30 PFD participants but in view of successful bulk handling program during 1993 it was decided to increase the number of participants. Seminar was largely attended by participants from Punjab Food , USAID, Flour Millers and University of Agriculture Faisalabad.

Minister for Food Punjab, Lt. Gen. (Rtd.) Professor M.A. Z Mahyudin was chief guest in the opening session. Minister Food appreciated the efforts made so far by the Punjab Food Department for adoption of latest grain handling technology with the support of USAID.

Secretary Food, Mr. Kamran Rasool chaired the technical session of seminar and emphasized the need to gradually shift to the more efficient system of handling grains with consideration to economic factors involved.

Seminar was also addressed by Mr. Tariq Shfi Chak Director Food Punjab and Mr. Mohammad Sharif Project Director GMC.

Details of the program can be seen at Annex: " C"

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#### **D. GMC TRAINING ACTIVITIES**

Grain Management Cell arranged and coordinated following training courses and technical seminar on Grain Storage Management.

<u>COURSE</u>	<u>PLANNED FOR</u> No. of Participants	<u>ATTENDED BY</u>
a) <b>Basic Computer Training Course for Deputy Directors and others: August 1993</b>	9	9
b) <b>Seminar / Workshop on Bulk Grain Management September 1993.</b>	20-30	80
b) <b>Demonstration of Pest Control Techniques for PFD staff Lahore and Faisalabad. June 1993</b>	20	20
c) <b>Coordinated Short Courses in paddy / Rice handling for PASSCO Staff. October 1993.</b>	25	75

Details of training activities at Annex: " D"

#### **Regular Short Courses in Grain Storage Management:**

Grain Management Cell has recently planned a program for continuation of regular training courses for operational personnel of Punjab Food Department some time in middle of December. Training will be imparted and conducted by 8 PFD Master Trainers already trained by GMC .

#### **E. CONVERSION OF HOUSE TYPE GODOWN FOR BULK STORAGE:**

As a part of bulk research program a House Type Godown has been converted for bulk storage by drilling hole in the roof and fixing roof hatches. The roof hatch equipped godown will be filled with bulk conveyors available with PFD during bulk delivery to the flour mills. Necessary equipment for loading and unloading of godown with bulk wheat has been installed at PR Center Islamabad.

Appendix " E' contains photographs and plan of godown conversion.

#### **F. RESEARCH IN GRAIN PROTECTION:**

A study has been conducted by University of Agriculture Faisalabad and Grain Management Cell on:

- a) Physical quality of grain and insect management in binshells
- b) Phosphine dosage determination for insect pest control under polyethylene covers

Research is being supervised by Mr. Sajjad Ahmad Senior Scientific Officer PARC and Dr. Altaf Akbar Assistant Food Controller Faisalabd. Detailed report is awaited from concerned officers. A brief of activities and photograph of study are placed at Annex: " F"

**G. OTHER ACTIVITIES OF GRAIN MANAGEMENT CELL:**

Grain Management Cell has accomplished some other activities which are related to Grain Management Cell like:

- a) Arranged briefings for Minister Food Punjab on GMC activities
- b) Assisted Punjab Food Department for taking over of Faisalabbad Silos. Several meetings and inspections were conducted by GMC technical staff and Project Director GMC.
- c) Visited various places for identification of flour mills for bulk delivery of wheat.
- d) Prepared review reports for on GMC activities.

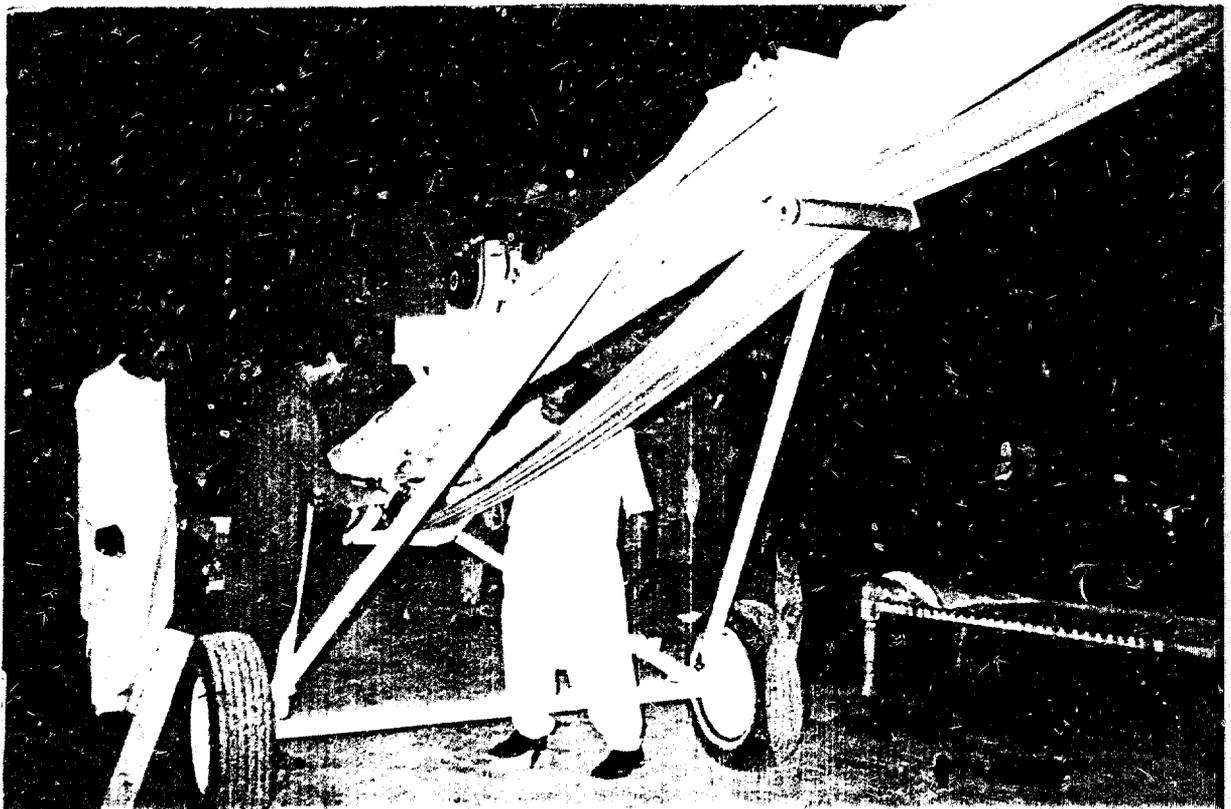
Details of these activities are placed at Annex: " G" of this report please.

Annex: "A"

**BULK EQUIPMENT  
SHIFTING AND INSTALLATION**



SHIFTING OF BULK HANDLING EQUIPMENT BY GMC FOR  
BULK PROCUREMENT 1993



EQUIPMENT MOVEMENT

From: Okata To: Hexbins, Jhang

Mass-ter Mover 60 Ft*	1
Tractor MF 240	1
Tractor Fiat 300	1
Grain Pump 35 Ft	2
Bucket Spouts	10
Truck Unloader A/Type	1

\* To be dismantled prior to shifting

From: Bahawalpur To: Hexbins, Jhang

Grain Pump 65 Ft*	1
Tractor Fiat 300	1

\* To be dismantled prior to shifting

From: GMC, Lahore To: Hexbins, Jhang

Generator	1
Tool Box	1

From: Multan To: Hexbins, Jhang

Auger 8" (complete)	20 Ft
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EQUIPMENT MOVEMENT

From: Multan To: Chak Kariana, Jhang

Grain Pump 35 Ft (New)	3
Tractor MF 375	1
Sweep Auger (From Silos)	2
Generator	1

From: Depalpur To: Chak Kariana, Jhang

Mass-ter Mover 81 Ft*	1
Truck Unloader C/Type	1

\* To be dismantled prior to shifting

From: Sahawal To: Chak Kariana, Jhang

Tractor Mitsubishi	1
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From: GMC, Lahore To: Chak Kariana, Jhang

Tractor Mitsubishi Dozer Kit	1
Bucket Spouts	20
Tool Box	1

2

EQUIPMENT MOVEMENT

From: Depalpur To: Open Bulk Head, Jhang

Trac Mass-ter 50 Ft\* 1

Grain Pump 35 Ft\* 1

\* To be dismantled prior to shifting

From: Multan To: Open Bulk Head, Jhang

Tractor MF 375 1

Sweep Auger 1

Generator 1

From: GMC, Lahore To: Open Bulk Head, Jhang

Tool Box 1

EQUIPMENT MOVEMENT

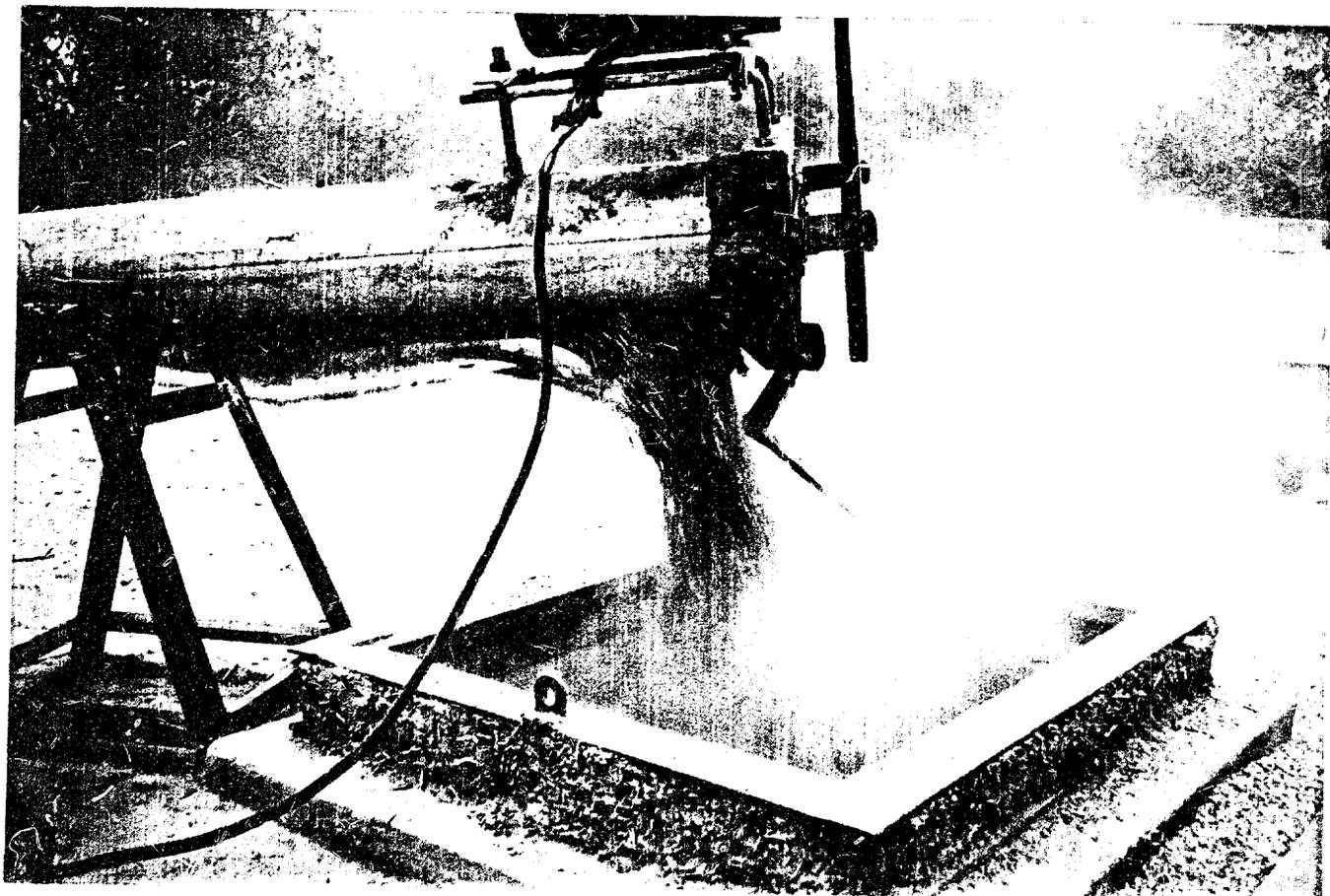
From: Sahiwal	To: Grain Elevator, Faisal Abad
Grain Cleaner	1
From: GMC, Lahore	To: Grain Elevator, Faisal Abad
Grain Cleaner	2
From: Manga Mandi	To: Grain Elevator, Faisal Abad
Tractor Fiat 300	2
From: Okara	To: Grain Elevator, Faisal Abad
Gravity Wagons	4
From: Depalpur	To: Grain Elevator, Faisal Abad
Truck Unloader A/Type	1

Annex : "B"

**BULK WHEAT PROCUREMENT  
HANDLING AND STORAGE**

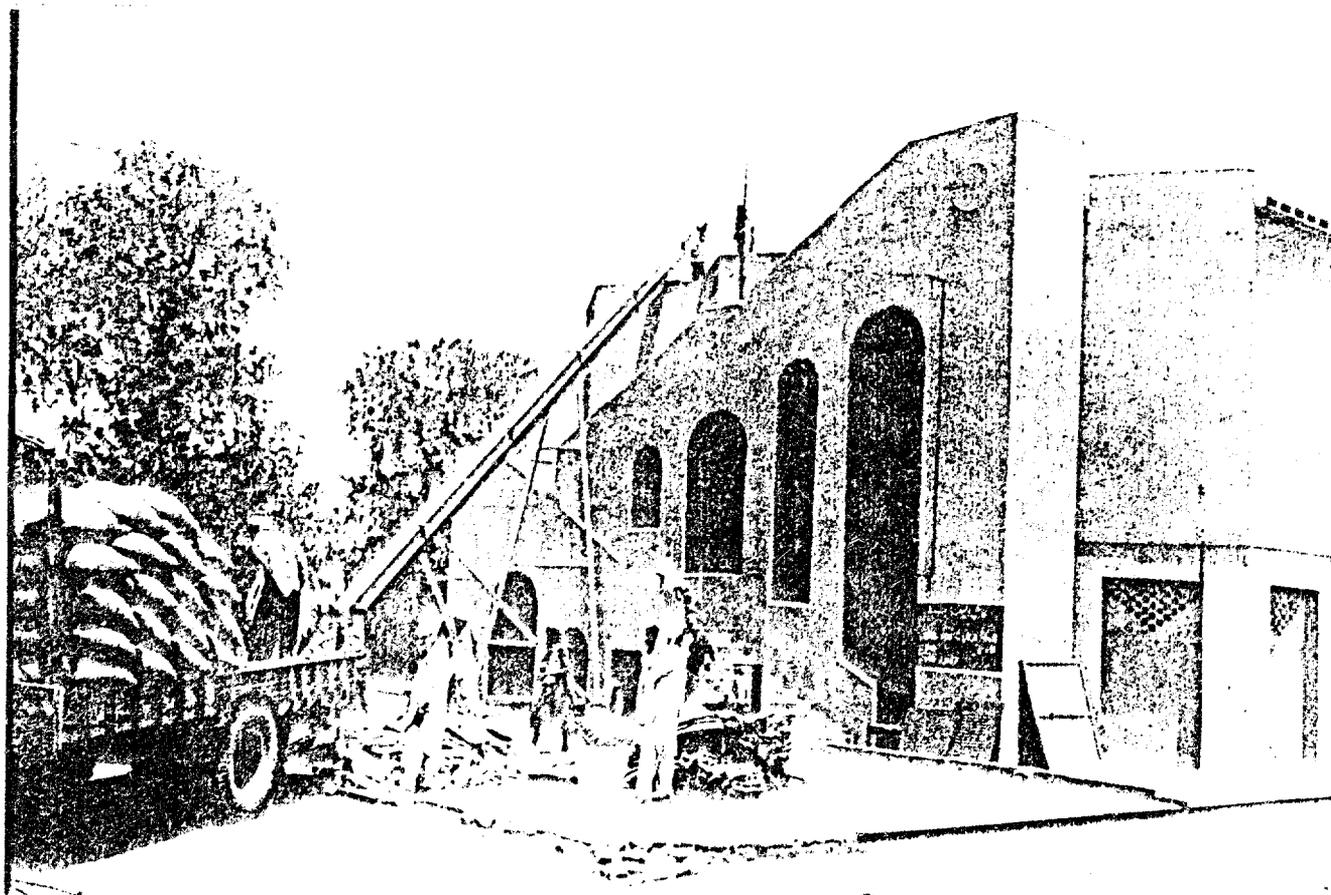


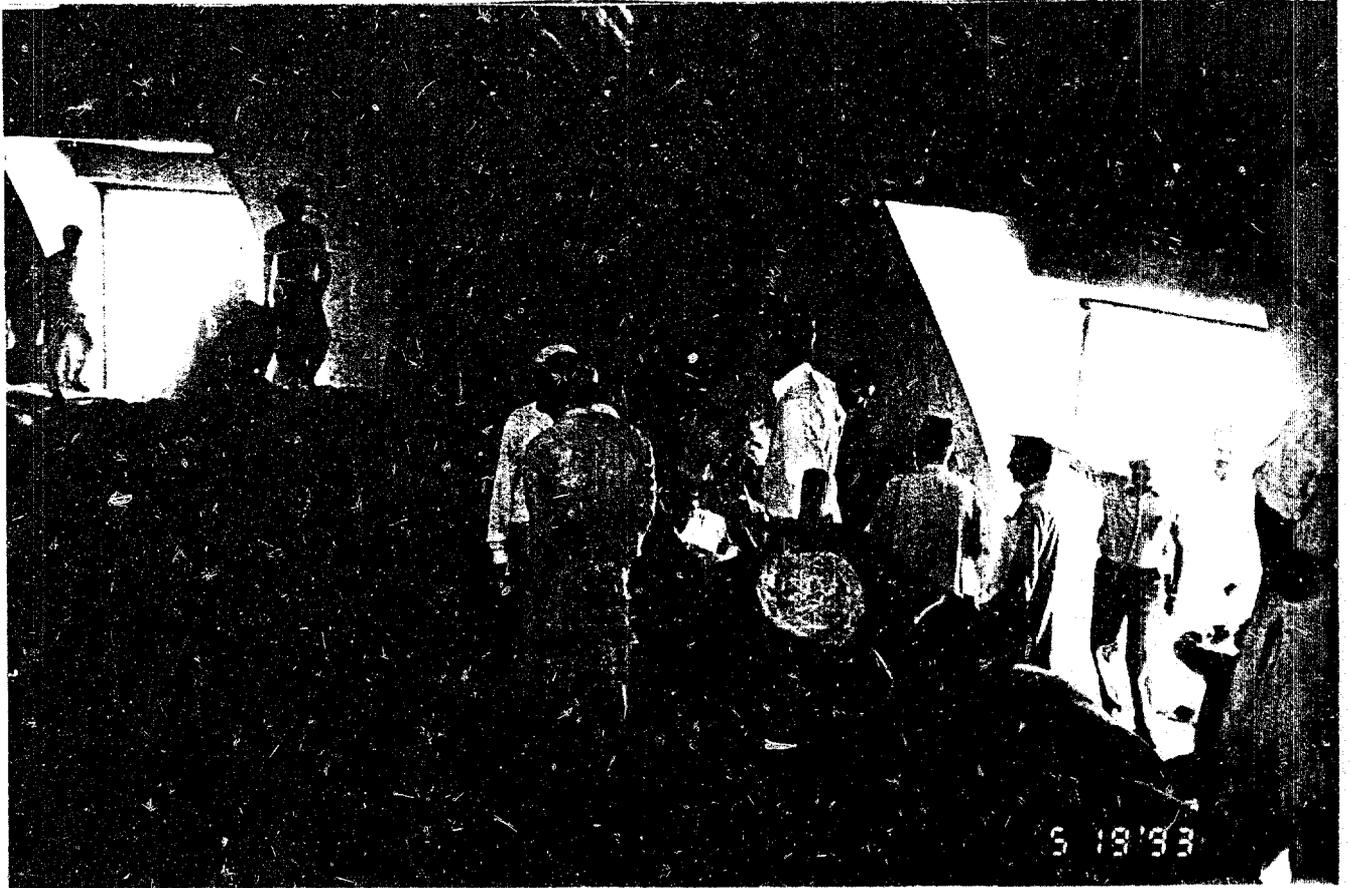
CONVERSION OF WHEAT BAGS FOR BULK STORAGE IN  
HEX-BINS AT SAHIWAL





BULK HANDLING TRIAL AT JHANG DURING 1993-94  
WHEAT PROCUREMENT SCHEME.





**MR. DENNIS WELLER AND DR. ZAKIR HUSSAIN FROM USAID ISLAMABAD  
WITH PFD AND UAF OFFICERS DURING BULK PROCUREMENT AT JHANG**



**SEMINAR ON  
BULK GRAIN MANAGEMENT**

Punjab Food Department  
**GRAIN MANAGEMENT CELL**

SEMINAR ON BULK GRAIN MANAGEMENT

SEPT. 25, 1993

AT Hotel Services International, Shahrah-e-Quaid Lahore

OPENING SESSION

**Chief Guest: Lt. Gen (Rtd) Professor M.A.Z Mohyudin  
Minister for Food Punjab**

- 9.00 - Arrival of Chief Guest
- 9.05 - Recitation from Holy Quran with Translation
- 9.10 - Welcome Address : Secretary Food Punjab
- 9.15 - Opening Address : Chief Guest, Minister Food Punjab
  
- 9.35 - Refreshments

TECHNICAL SESSION

CHAired BY : Mr. Kamran Rasool, Secretary Food Punjab

- 10.00 - Remarks : Mr.Tariq Shafi Chak Director Food
- 10.05 - Objectives of Grain Management Cell  
Ch. Mohammed Sharif, Project Director GMC

**PAPER PRESENTATION:**

- 10.15 - Introduction of Bulk Handling system in Pakistan : Mr. Gulzar A Qazi  
Hon.Tech.Advisor PFD
- 10.45 - PFD Bulk Handling Experience : Ch. Mohammed sharif  
Project Dir. GMC
- 11.15 - Bulk Material Handling Equipment : Arif Javed,Consultant
- 11.45 - Bulk Grain Protection : Sajjad Ahmed S.S.O  
PARC
- 12.20 **Short Break**
- 12.30 Recommendations of the Seminar : Shamsheer H.Khan  
Consultant,GMC
- 12.40 Remarks of USAID representative
- 12.50 **Concluding Remarks** : **Secretary Food Punjab**
- 13.00 Lunch and Adjourn

**Punjab Food Department**  
**Grain Management Cell**  
**SEMINAR ON BULK GRAIN MANAGEMENT**

September 25, 1993

**HOTEL SERVICES INTERNATIONAL , Shahrah-e-Quaid-e-Azam Lahore**

Proposed List of Participants

**Punjab Food Dept.**

1. Lt. Gen.(Rtd) Professor M.A.Z Mohyudin  
Minister For Food Punjab.(Chief Guest)
2. Mr. Kamran Rasool Secretary Food Punjab
3. Maj.(R) Tariq Shafi Chak Director Food
4. Mr. Mohammad Sharif Ch. Project Director GMC
5. Mr. Mohammed Imtiaz Tajwar Deputy Secy Food
6. Mr. Sardar Mohammad Akram Deputy Secy Food
7. Mr. Javed Sarwar DD Admin.
8. Mr. Javed Iqbal Ch. DD (P)
9. Mian Ijaz Mahmood DD (G)
10. Mr. Arshad Mahmood DD (B&A)
11. DD Lahore
12. DD Pindi
13. DD Multan
14. DD Bahawalpur
15. DD Faisalabad
16. DD Sargodha
17. DD D.G. Khan
18. DD Gujranwala
19. Mr. Manzoor Hussain Bajwa FT
20. Dr. Altaf Akbar ACI Master Trainer
21. Mr. Sharjeel Mirza DFC Pindi Master Trainer
22. Mr. Shabbir Alvi SO Multan Silos Master Trainer
23. Mr. Mohammad Anwar DFC TT Singh Master Trainer
24. Mr. Ibrahim Dasti DFC Okara Master Trainer
25. Mr. Riazul Haq AFC Bahawalpur Master Trainer
26. Mr. Munir Ahmad Ch DFC Lahore Master Trainer
27. Mr. Mohammed Mansha S.O Pindi Master Trainer
28. Mr. Mohammed Javaid S.O KWL Master Trainer
29. Mr. Zia Ahmed Malik DFC Jhang Master Trainer

**MINFA ISLAMABAD**

30. Mr. Mohammed Bashir Joint Secretary MINFA

**PUNJAB EDUCATION FOUNDATION**

31. Mian Mohammed Jamil (MD)

**FINANCE DEPARTMENT**

32. Ch. Riaz Ahmad Additional Secretary Finance (Pb)

## **GRAIN MANAGEMENT CELL**

33. Mr. Gulzar A Qazi Hon Tech, Advisor
34. Mr. Shamsheer H. Khan Consultant
35. Mr. Arif Javaid Consultant
36. Mr. Arif Mansoor
37. Mr. Zakaullah
38. Mr. Mohammed Asif
39. Mr. Meesaq Ahmad

## **USAID ISLAMABAD**

40. Mr. Arnold J Radi USAID Islamabad
41. Mr. John B Swanson Chief, ARD
42. Mr. Dennis Weller D.Chief ARD
43. Dr. Zakir Hussain Program Specialist
44. Mr. Jalil Ahmad Project Officer

## **University of Agri. Faisalabad**

45. Dr. Rafiq Ahmad Khan Vice Chancellor UAF
46. Dr. Manzoor Ahmad Coordinator
47. Dr. A.D Chaudhry Dean Faculty of Agri.Engg.
48. Dr. Faqir Anjum Associate Prof.Food Tech
49. Mr. Sajjad Ahmed Sr. Scientific Officer PARC

## **Pvt.Sector**

53. Sunny Flour Mills
54. National Flour Mills
55. Punjab Flour Mills Association (4) members
56. Dr. Hafiz Ahmed Tech. Consultant AG Pesticides
57. Agha. Qamar Hasnain Syed AG Pesticides
58. Mr. Salahudin Regional Manager AG Pesticides
59. Mr. Khalid Qadeer Bros. Bulk Eqpt.Manufacturers
60. Mian Khalid Mahmood Pakistan Pesticides
61. Naimat Flour Mills
62. Shabbir A Sheikh Rawalpindi Flour Mills.
63. Mian Shahid Rafi, Rafi Flour Mills Okara

## **FOOD AND AGRI.ORGANIZATION OF UNO**

64. Country representative FAO
65. Dr. Hameedurehman Program Officer

## **Allied / Additional Staff**

15 Nos

**Total Invitees:**

**80**



CHIEF GUEST IN THE SEMINAR , Lt. GEN. (Rtd)  
PROFESSOR M. A. Z. MAHYUDIN MINISTER FOR FOOD PUNAJB





SECRETARY FOOD MR. KAMRAN RASOOL AND MR. TARIQ SHAFI CHAK  
DIRECTOR FOOD PUNJAB ADDRESSING THE SEMINAR

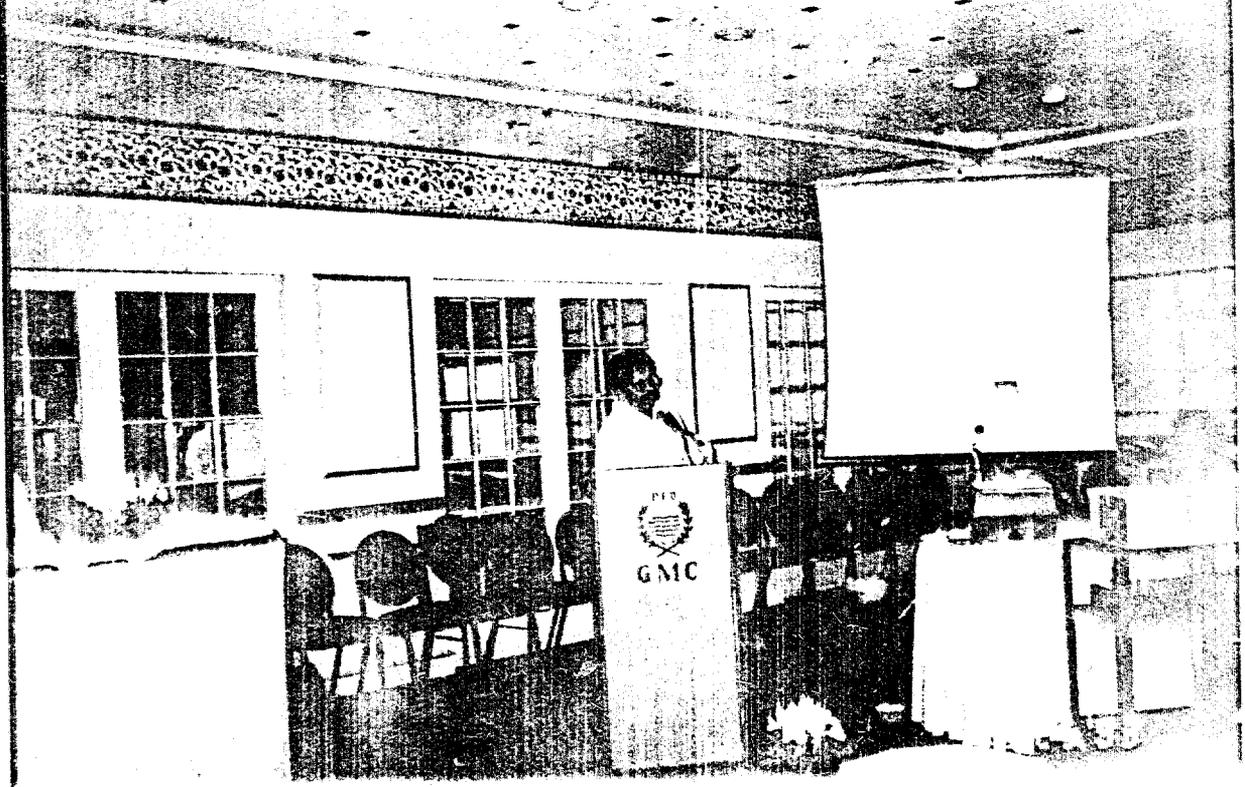




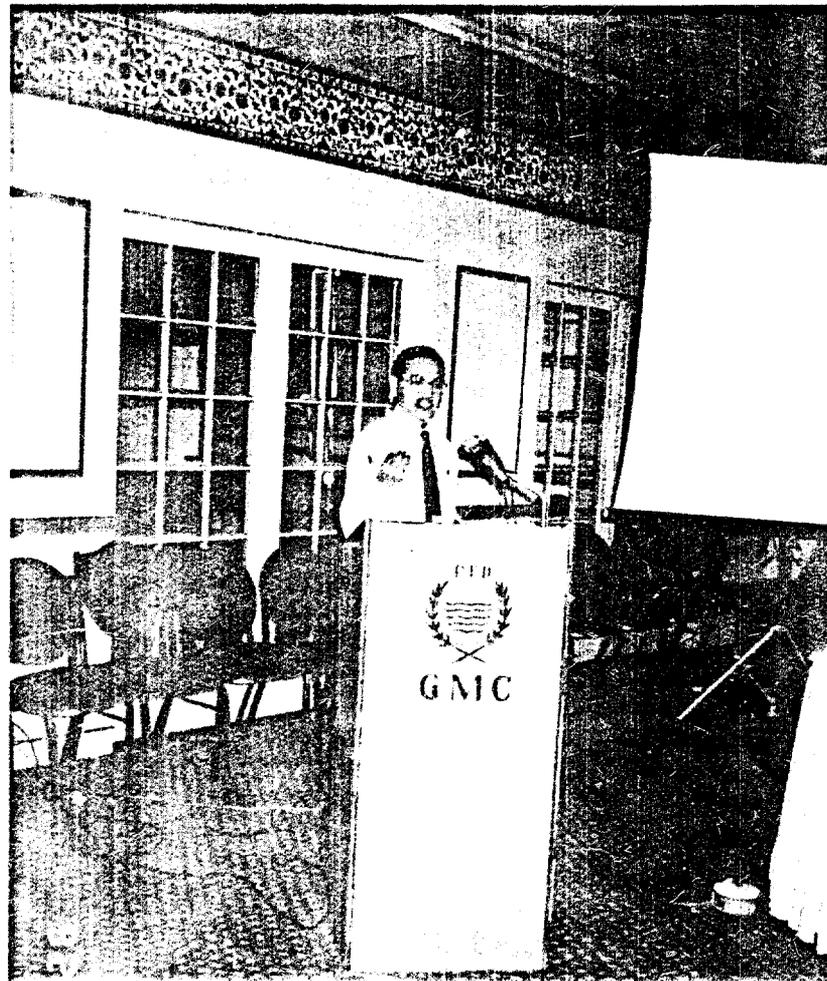
**PROJECT DIRECTOR GMC, MR. MOHAMMAD SHARIF PRESENTING HIS PAPER  
ON " PFD BULK HANDLING EXPERIENCE 1993"**



**MR. M. GULZAR A. QAZI, HONY. TECHNICAL ADVISOR PFD PRESENTING HIS PAPER  
ON " INTRODUCTION OF BULK HANDLING SYSTEM IN PAKISTAN"**



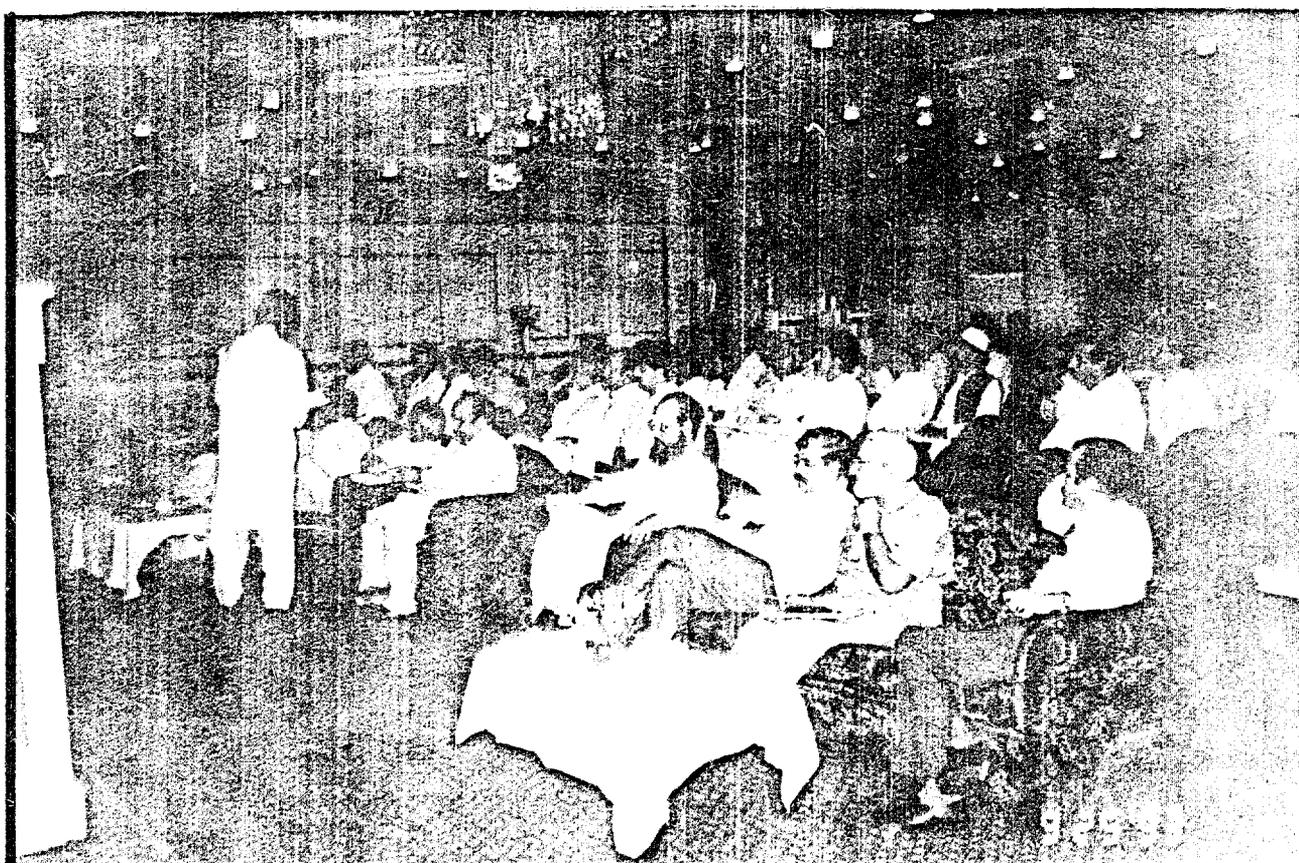
MR. ARIF JAVED CONSULTANT GMC PRESENTING HIS PAPER ON  
" BULK MATERIAL HANDLING EQUIPMENT"



MR. SAJJAD AHMAD S.S.O (PARC) PRESENTING HIS PAPER ON  
" BULK GRAIN PROTECTION"



MR. SHAMSHER H. KHAN CONSULTANT GMC PRESENTING SEMINAR RECOMMENDATIONS IN CONCLUDING SESSION



## OPENING REMARKS

**Lt.Gen.(Rtd) Prof. M. A .Z. Muhayudin**  
**MINISTER FOR FOOD PUNJAB**

*Seminar On*  
**Bulk Grain Management**  
Sept.25, 1993  
arranged by Grain Management Cell of the  
Punjab Food Department

Secretary Food Punjab, Director Food Punjab, Project Director Grain Management Cell, USAID officials, Flour Millers, Organizers of the seminar and all participants.

This is a matter of great pleasure for me to be with you in the opening session of the one day seminar on Bulk Grain Management.

It gives me immense pleasure to note that the Punjab Food Department has established a Grain Management Cell within the Punjab Food Department with the initial technical, financial and professional assistance from USAID.

The today's seminar has been arranged to evaluate the recent bulk handling progress made by Punjab Food Department with the assistance of Grain Management Cell. The seminar will provide opportunity to pool ideas for the development of bulk grain handling system in the country. The Grain Management Cell, as I have heard, has successfully demonstrated the bulk handling techniques through training and practical demonstrations during wheat procurement operation 1993.

Pakistan has very limited experience on Bulk Grain Handling and Management. The pioneering efforts of the Punjab Food Department for the introduction of bulk grain handling from farm, to procurement center and than storage point to flour mill will ultimately revolutionize the country's grain handling system. The establishment of a complete chain of bulk grain handling system will largely contribute in the improvement of grain quality, and to make the system more economical and efficient.

The bulk grain system is the need of the hour. In the beginning there must be a slight rise in the incidental expenses due to fabrication of bulk handling equipment but will result in the shape of introduction of new technology and finally will pay in the future in term of lower handling expenses. It would be great help to reduce burden to the provincial exchequer of Punjab which has already very limited resources.

Here, I would like to appreciate the efforts of Storage Technology Development and Transfer Project STDT of USAID and Kansas State University USA which had long experience in development of technology in grain handling and management. The said project now has been terminated, so we have therefore no alternative but to continue this activity at our own by

creating a Grain Management Cell. I am glade that USAID has provided some equipment and financial assistance to make the Grain Management Cell starts its activities.

The major problem in Grain Storage and Management is lack of knowledge about modern techniques in grain handling. We shall therefore, have to train our entire managerial and operational level staff for which we did not have sufficient technical professionals. A team of Master Trainers, recently trained by the Grain Management Cell comprising the young District Food Controllers should take the lead to meet the challenges for the adoption of modern bulk handling technology.

The bulk wheat handling program indicated by the Secretary Food Punjab reflects the desire of the Department to go ahead for undertaking the lead for the introduction of complete bulk grain handling system in the country.

There should be a publicity program to create a nationwide awareness of the importance of good storage practices and adoption of modern grain handling system for the benefit of other grain handling agencies and private sector. The participation of the flour millers in the bulk program is very encouraging. Changing attitudes of public and private sector officials towards proper storage is first step for improving the present age old system of handling.

The profession of grain storage requires a constant collaboration of Academic Institutions, Donors Agencies, and Grain Research Organizations. The efforts made by the International Agencies in collaboration with Punjab Food Department for the improvement of storage technology should be continued until the Department is able to institutionalize all the activities and efforts made so far.

I hope, the seminar on Bulk Grain Management will provide us the opportunity to learn the latest grain handling techniques to increase the professional knowledge and skill.

As you know, Atta is the staple food of our people and therefore measures should be considered to preserve every grain of wheat and to maintain the quality of Atta in the best interest of the consumers.

I am delighted to have this opportunity to extend my best wishes to all the participants of the seminar and guests from the USAID.

I am also thankful to the organizers of the seminar to invite me to attend the opening session of such an interesting seminar.

Thank you very much

*Lt. Gen (Rtd) Prof.*

*M.A.Z. Malik*

Minister for Food Punjab

Sept. 25, 1993

**Punjab Food Department  
Grain Management Cell  
WELCOME REMARKS  
Kamran Rasool  
Secretary Food Punjab**

**SEMINAR ON BULK GRAIN MANAGEMENT**

**Sept. 25, 1993**

Honorable Minister for Food Punjab Lt. Gen. Prof. M.A.Z Mahyudin, Director Food Tariq Shafi Chak, Project Director GMC, Ch.Mohammed Sharif, Respectable Guests from USAID, Participants and Organizers of the Seminar:

It is a matter of great pride and honor for all of us that Honorable Minister for Food Lt. Gen Ghulam Mohayudin is with us to open the proceedings of the seminar on Bulk Grain Management. On behalf of the Punjab Food Department and Grain Management Cell, I whole-heartedly welcome our Chief Guest and thank for him for sparing time out of his busy schedule.

Main function of the Punjab Food Department is to ensure minimum support price of the grain to the growers and regular supply of wheat in the market and to the flour mills at the government fixed price to stabilize prices of wheat and Atta in the open market. To achieve this aim Food Department Punjab has to procure all the surplus wheat which is offered for sale. More than 2.00 million tons of wheat is purchased locally every year. Imported wheat is also supplied by the Federal Government to meet the requirements of the Province.

Government have to incur a substantial amount of incidental charges on handling and transportation of wheat so supplied to the flour mills. Major items of incidental expenses are cost of gunny bags, mark up, transportation charges, and godown expenses.

Certain items are unavoidable but expenditure on gunny bags which constitutes about 37% of total incidental, can however be avoided.

The Punjab Food Department has recently established a Grain Management Cell to conduct research on existing grain handling systems and suggest suitable, economical and efficient system of grain handling. The Grain Management Cell has started functioning and has been able to assist the field staff for procurement of about 75,000 MT of wheat (three time more than the target) through bulk handling process. The Punjab Food Department has planned not to put this much quantity of wheat in the bags but issue the same to the flour mills in bulk form. The planned exercise will help Punjab Food Department to evolve a system to reduce its incidental expenses which are causing heavy burden on government exchequer.

Punjab Food Department has identified the following major constraints based on bag handling:

- \* the existing bag handling system is not efficient enough to handle the large volumes of wheat stocks in short period of time.
- \* the open -air storage facility (ganjies) are inappropriate and causing damage to the grain.
- \* There is substantial increase in price of gunny bags every year.
- \* the extensive usage of gunny bags incurs a foreign exchange drain to the national economy.

A carefully designed and evaluated bulk grain system implemented in an appropriate manner would remedy the above constraints. The Punjab Food Department therefore has decided to use existing bulk storage facilities already available with the Department. Conversion of house type godown for bulk storage will be the next step.

An other important factor is the training of all unskilled professionals to undertake the responsibility of mechanization of their storage facilities. The local Technical Professionals trained by USAID and Foreign Consultants are available to the Grain Management Cell for a limited period of time. Ultimately Punjab Food Department have to depend its own human resources trained for the operation and maintenance of bulk handling equipment and installations.

I hope the seminar on Bulk Grain Management will provide the opportunities for all our operational and managerial staff to look forward towards the introduction and establishment of an efficient and cost effective system of bulk grain handling.

The Punjab Food Department will take further steps to evolve a computerized grain inventory program for error free accounting and communication system with the assistance of Grain Management Cell.

Honorable Minister " I again thank you for your presence today which has been a source of great encouragement and immense pleasure for us all which we shall ever remain indebted to your good self.

Thank you very much

**Kamran Rasool**  
Secretary Food Punjab  
Sept. 25, 1993

**Punjab Food Department  
Grain Management Cell**

**SEMINAR  
on  
BULK GRAIN MANAGEMENT  
Sept. 25, 1993**

**REMARKS  
TARIQ SHAFI CHAK  
Director Food Punjab**

---

Honorable Chief Guest, Secretary Food Punjab, Respectable Guests, Deputy Directors and participants of the seminar:

On behalf of Punjab Food Directorate I would like to thank you all for participating in this very important seminar arranged by Grain Management Cell.

The significant role of the Punjab Food Department and its Directorate has remained procurement, preservation and distribution of wheat through out the year for the purpose of supplying the uniform rate and quality of wheat flour to the consumers. To ensure this, an under developed country like Pakistan has to bear a substantial amount of public money. The amount ! a good part of it, I shall say is wasted because of our following old system of storage and handling the wheat grain. We are always looking forward to shed-off the cumbersome and lethargic means of wheat handling to a speedy and more efficient means of grain management. But I must submit to this august gathering, particularly to the participants of the seminar/workshop that in an enthusiasm of modernising the system we may not our look the realities of our peculiar social environments.

The department had a rare opportunities to develop appropriate grain handling technology according to the need of the time. Punjab Food Department in collaboration with USAID and Kansas State University has been able to test and implement a complete system of bulk grain handling, storage and preservation from farm to the flour mill.

If our grain industries are to improve , we must clearly make the efforts by ourselves. The assistance from international agencies are always appreciable but to identify the use of appropriate technology under our local conditions remains our responsibility.

The establishment of Grain Management Cell within the Directorate of Punajb Food Department is a first step to become a foundation of a nationwide effort to improve public and private sector professional capabilities.

I am glad to see that a large number of our operational and managerial staff has been able to participate in this conference. The participation of flour millers is also very important because they are the part and parcel of our program. The adoption of new technology and improving the quality of their products should be their ultimate objective.

The Grain Management Cell would be able to coordinate, and assist the flour milling industry in the development of bulk handling and storage technology. I think this spoon feeding psychic of ours should also end- if not immediately off-course not in distant future. In this era of privatization and capital economy the flour mills should standup and try to pick up the lead.

I would like to mention here that the Grain Management Cell has already conducted very useful advance courses in grain storage management and basic courses in use of micro computer for grain industry. I strongly support and appreciate the indication from honorable Secretary Food that Punjab Food Department should take the steps towards the introduction of computerized grain inventory system.

Gentlemen ! one thing which is generally lacking in us is training, i.e. training ourselves and training people around us for the specifics. I will expect that our field managers and officials will take personal interest to improve their professional capabilities through these courses and technical seminars. The Grain Management Cell is fully capable to provide the necessary guidance and information. In fact we are planning to expand / extend the role of Grain Management Cell in this department.

Let us try for the best to perform our official and moral duties. Let us contribute something with our professional skill for the improvement of nation's grain handling and storage system.

With the good wishes and prayers for the success of today's seminar, I may thank the Project Director of Grain Management Cell and all the organizers, for arranging this fine seminar. I am also thankful and appreciate the presence of our Chief Guest and participants in this seminar.

Thank you very much.

**Punjab Food Department  
Grain Management Cell**

**Seminar on**

**Bulk Grain Management**

**Objectives of Grain Management Cell**

Mohammed Sharif  
Project Director  
Grain Management Cell

The Honorable Chief Guest, the Secretary Food, the Director Food, honorable guests, my colleagues and participants:

It gives me immense pleasure to have all of you here which will not only provide me and members of my team valuable guidance and suggestions but also impart us lot of encouragement to carry out an assignment which appears difficult and challenging due to lack of technical knowledge, manpower and funds.

you are aware that requirement of a good management is to perform an assignment in a nice manner, in a minimum time and at a minimum expense.

Food Deptt. is entrusted the assignment of purchase of all the surplus wheat which is offered for sale, its safe storage, transportation to the deficit areas and releases to the flour mills at subsidized price so that 'ATTA' could be made available to the consumers at cheaper rates.

Mechanical harvesting has resulted in quick arrival of wheat in the market . Arrivals are so fast that we have been purchasing about 80 percent of grain of our total procurement only during the month of May. In order to cope with the fast arrivals we have to make our handling system faster.

Due to industrialization labor is becoming scarce and costly. We have, therefore, to find out some other alternatives. Mechanical handling being faster and cheaper is the only answer.

Being thickly populated province, maximum releases of wheat from Government godowns are made in Punjab whereas resources of this Province are very limited. As such the provincial Govt. can hardly afford huge financial burden of wheat subsidy. We have to cut down our bill of subsidy of Rs. 122.50 per ton incurred on gunny bags which is mere wastage of funds as the consumer is not benefited from it in any way. We can save this amount if wheat is purchased , stored and released in bulk.

Punjab Food Deptt. is the biggest grain handling agency in the country. As such problems faced by it are also large. Quality of the grain is deteriorating and losses increasing due to damage and

insect infestation to the grain every year. Different strains of insects are becoming immune to the insecticides. Most of the gas released in the godowns to kill the insects gets leaked quickly as a result of which we have to carry out more number of fumigation and incur extra expenditure. We have to identify all such problems and to find out their solution. This process is called research.

Research would be useless unless its results are communicated to the persons responsible for grain handling. Thus we have to impart continuous training to our field staff about the problems faced by them, their solution and modern technology used in grain storage.

In this way research, training, mechanization of storage facilities and bulk grain handling are the main objectives of the Grain Management Cell. For this purpose GMC has already started activities in these areas and requested the University of Agri. Faisalabad and Pakistan Agriculture Research Council (PARC) to provide assistance in this regard.

Thank you very much.

Mohammed Sharif  
Project Director  
GMC  
25-9-1993.

**Consolidated Recommendations from  
Seminar on**

**BULK GRAIN MANAGEMENT  
Punjab Food Department**

**Sept, 25, 1993.**

The seminar committee of Bulk Grain Management deliberated the issues presented in the seminar and reached a consensus on the following.

**Resolution: 1**

- a). Time has come to gradually shift from existing inefficient and expansive bag handling system to cost effective and efficient bulk grain handling system.
- b). Punjab Food Department may implement bulk grain handling system in phases so the necessary modifications and alterations could be made where needed according to the structural requirements and local conditions.
- c). Punjab Food Department and Flour Mills may collaborate their efforts to establish a complete chain of bulk handling system from farm to the flour mill given due consideration to the economic factors involved.
- d). PFD may fix delivery charges of Rs. 2.95 per 100 Kg for bulk wheat delivery at the procurement centers for receiving wheat in bulk against Rs.0.95 presently given for delivery of wheat in bags. This incentive may be given wide publicity every year before harvest to encourage the growers to offer wheat in bulk.
- e). Instead of purchasing wheat at procurement center, bulk wheat may be purchased at a few major bulk storage facilities on experimental basis at an incentive price comprising issue price of wheat plus handling and transportation expenses from the related procurement centers to each bulk storage facility.
- f). The amount of savings in incidental cost of wheat due to bulk handling and storage operations during a year should be allocated to PFD in budget of next financial year for expanding scope of bulk operation and procurement of corresponding equipment and technical staff. This will enable PFD to introduce bulk system in the country without any additional burden on the Govt. exchequer.

**Resolution: 2**

- a). There is a need for strict application and enforcement of present Fair Average Quality (FAQ) procurement standard.
- b). GMC should continue the research in grain quality and assist in development of more suitable grain standards to meet the requirement of the millers, and consumers.
- c). Flour millers may also perform their role to produce best quality of ATTA through scientific means . The GMC may provide training facilities to the flour millers to sort out their storage and milling problems.

**Resolution: 3**

Major cause of the failure of phosphine fumigation is the improper method of application of the fumigant. To get the better results of fumigation and avoid wastage of expensive insecticides, the grain industry should use the latest recommended methods of grain protection:

- a). Grain Management Cell, Punjab Food Department in collaboration with USAID and PARC has developed the effective pest control methods according to our local grain storage structures and climatic conditions. GMC will impart these grain protection techniques through short training courses and practical demonstrations.
- b). Task for application of insecticides should be done by trained persons. For this purpose GMC may hold a special training course on pest control methods. Selected Food Officerfs may be nominated from each district to participate in the program. After the training, officers will be responsible for supervising the pest control program in their respective districts.

**Resolution 4:**

Profession of grain handling , storage , and milling requires continuation of research and training activities. Grain Management Cell being the first practical training institute in the country can play a very important role to resolve the major post harvest grain problems. The activities of the GMC will ultimately enhance the professional capabilities of the operational and managerial staff of the PFD and private sector .

- a). University of Agriculture Faisalabad and PARC and PFD may work more closely for the improvement of post harvest grain system in the country.
- b). University of Agri. Faisalabad Dept. of Agriculture Engineering may provide necessary assistance to Punjab Food Deptt. in bulk handling equipment design and modifications.

- c). GMC may start regular short courses, and all PFD staff at operational and senior level may participate in the training courses.
- d). GMC training may be made compulsory for all PFD staff in grain storage management and basic computer courses. Results of the training should be counted while making postings and promotions of the field staff.

### **Seminar Committe**

#### **Chairman:**

1. Mr. Tariq Shafi Chak Director Food Punjab Chariman

#### **Members:**

2. Mohammed Sharif Add. Director Food and Project Director GMC
3. Mr. Gulzar A. Qazi Hon. Tecnicl Advisor PFD
4. Dr. Zakir Hussain Program Officer A/ORD USAID Islamabad.
5. Mr. Sajjad Ahmad Senior Scientific Officer PARC at UAF Faisalabad..
6. Mr. Shamsheer H. Khan Consultant GMC/PFD
7. Mian Shahid Rafi , Rafi Flour Mills Okara

Annex: "D"

# **TRAINING ACTIVITIES**

**GRAIN MANAGEMENT CELL**

Punjab Food Departemnt

**Final Evaluation Results**

**BASIC COMPUTER TRAINING COURSE**

August 21 through August 26, 1993

**Group I**

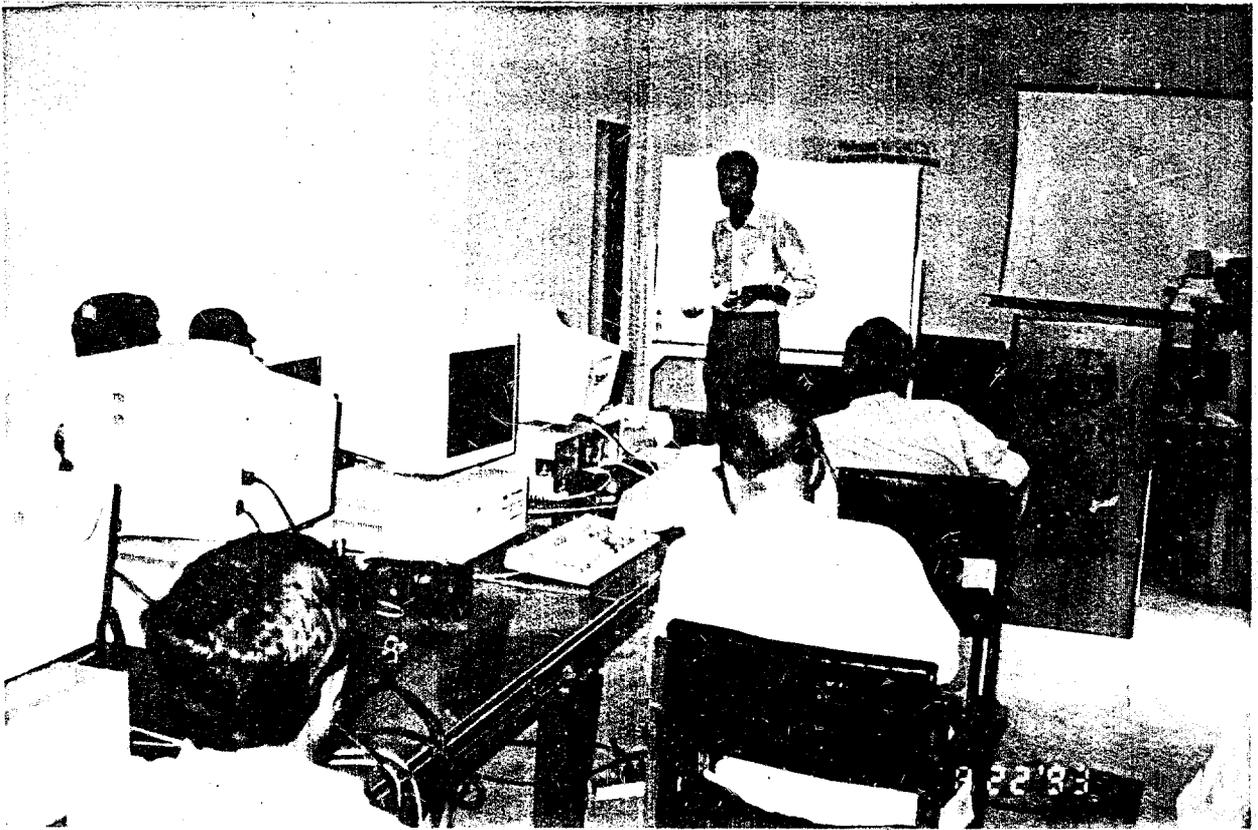
<u>Name &amp; Designation</u>	<u>Grade</u>	<u>Position</u>
Mr. Irshad-ul Haq Supt. Cane	A +	I
Mian Ijaz Mahmood DD (G)	A +	II
Mirza Riaz Ahmed AAO	A	III

**Group II**

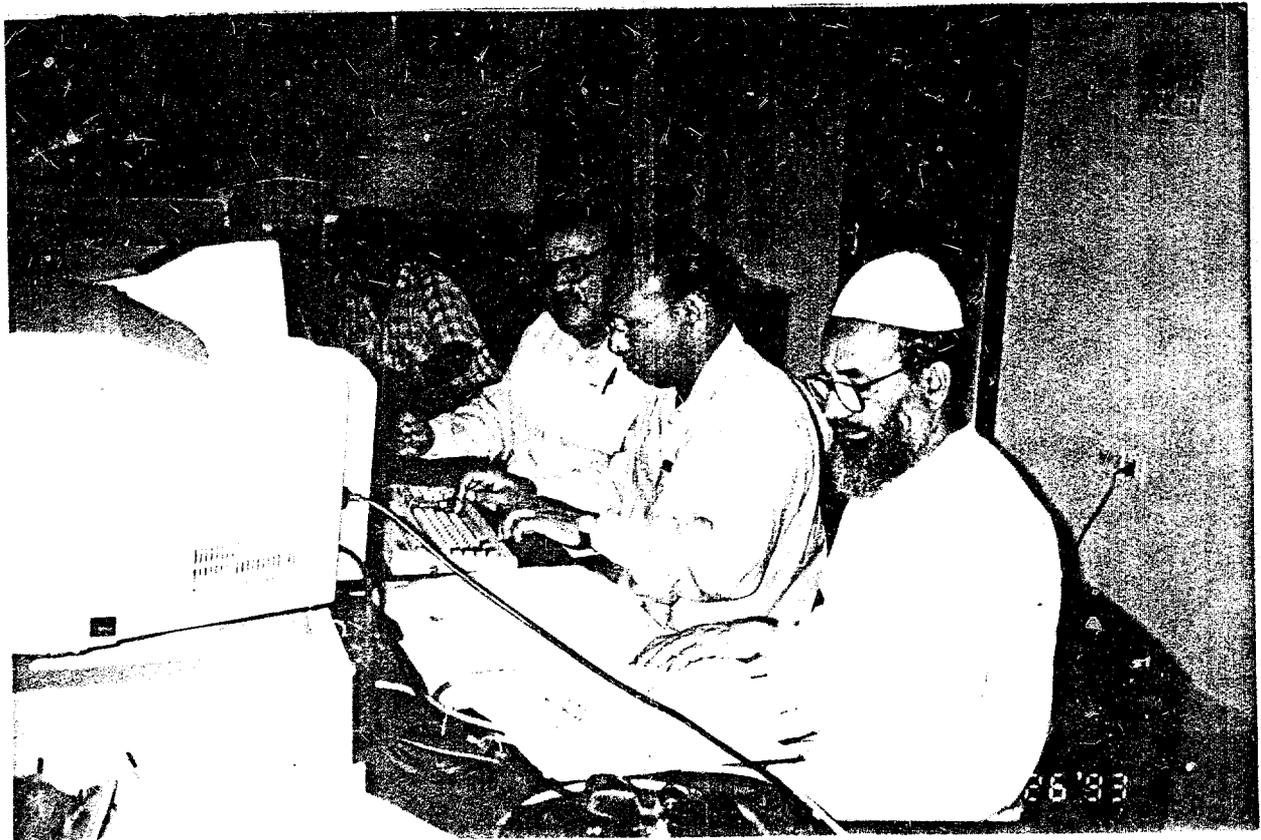
Mr. Javed Iqbal DD (P)	A +
Mr. Munir Ahmed Ch DFC Lhr.	A
Mian Ijaz Ahmed	B +

**Group III**

Manzoor Hussain Bajwa FT	A
Mr. Zakauallah H/Analyst	A
Mirza Mohammed Younis	A

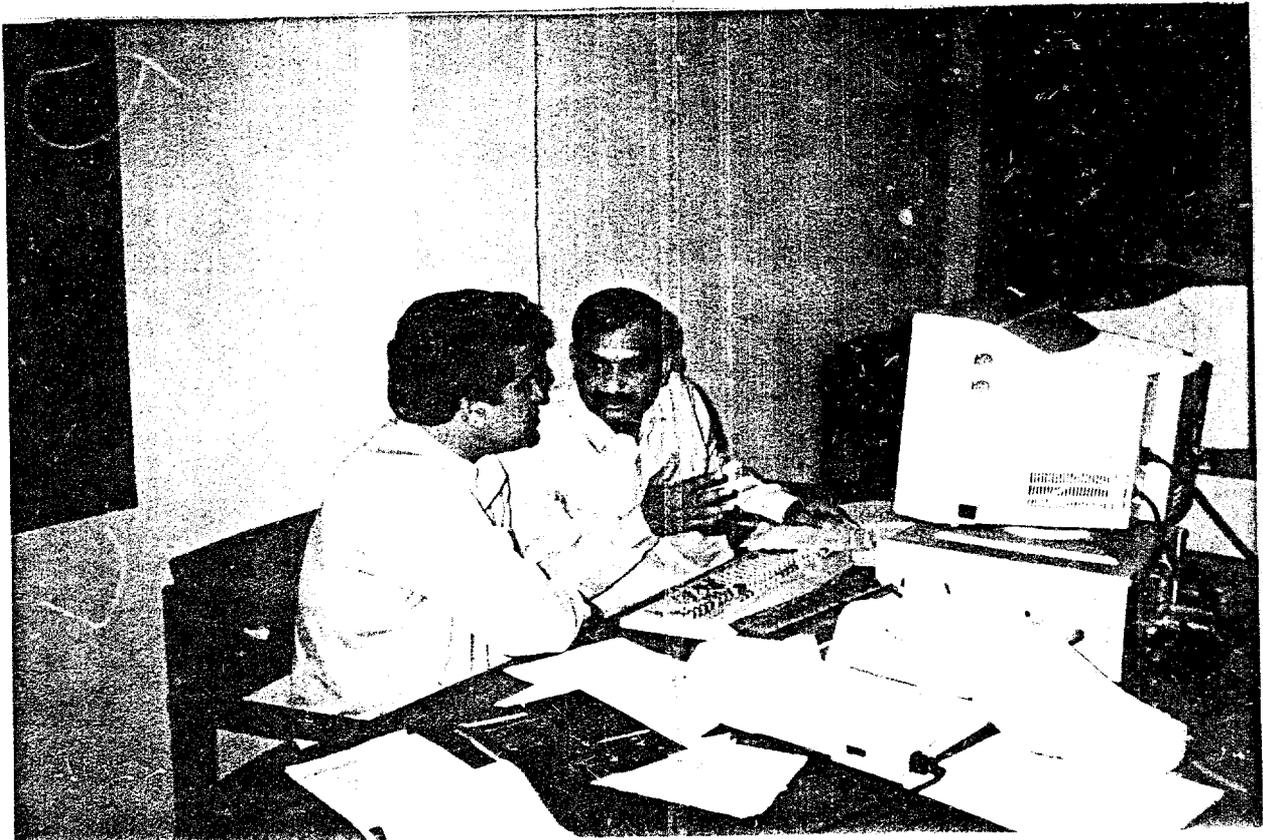


BASIC COMPUTER TRAINING CLASS ARRANGED BY GMC FOR DEPUTY DIRECTORS OF FOOD DIRECTORATE AND OTHER STAFF



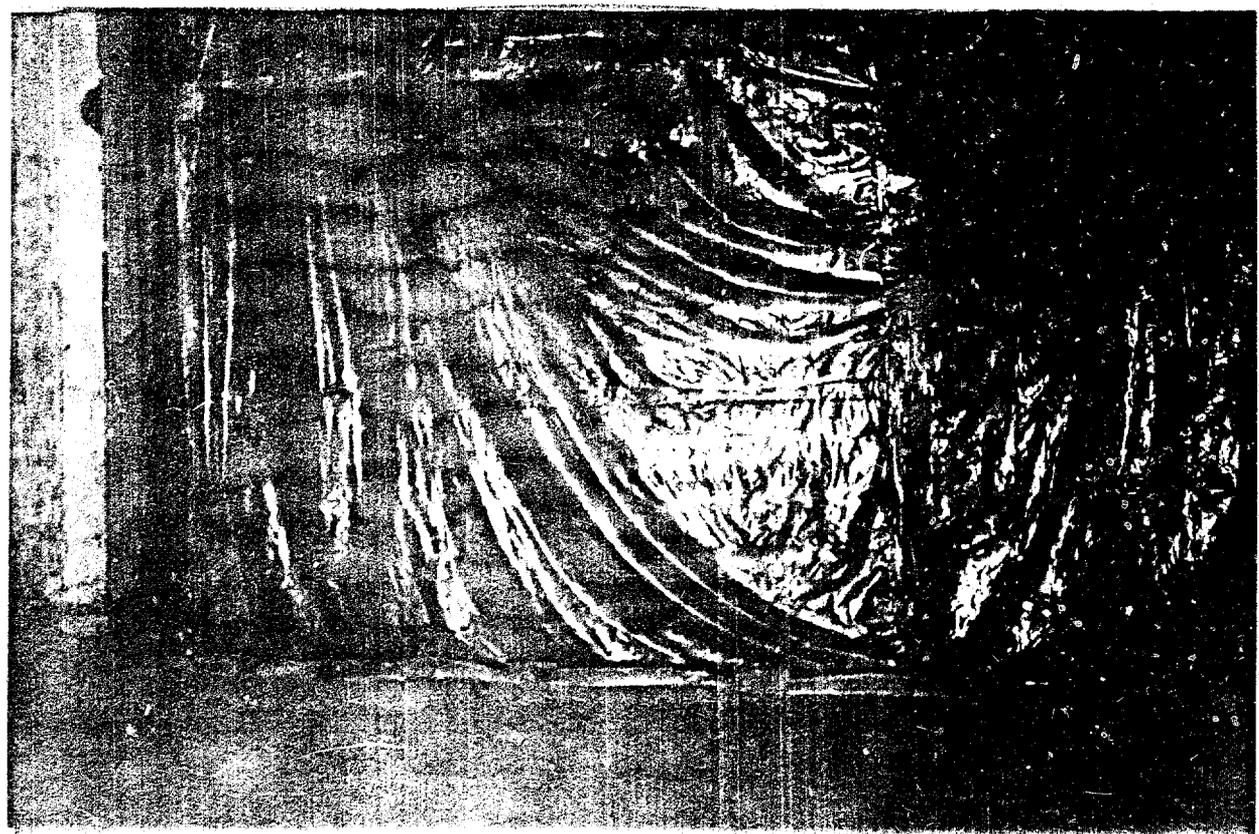


DISTRIBUTION OF CERTIFICATES BY PROJECT DIRECTOR GMC  
AT THE END OF TRAINING COURSE





**DEMONSTRATION / TRAINING OF PEST CONTROL TECHNIQUES  
BY GMC AT PR CENTER GULBERG LAHORE AND FAISALABAD**



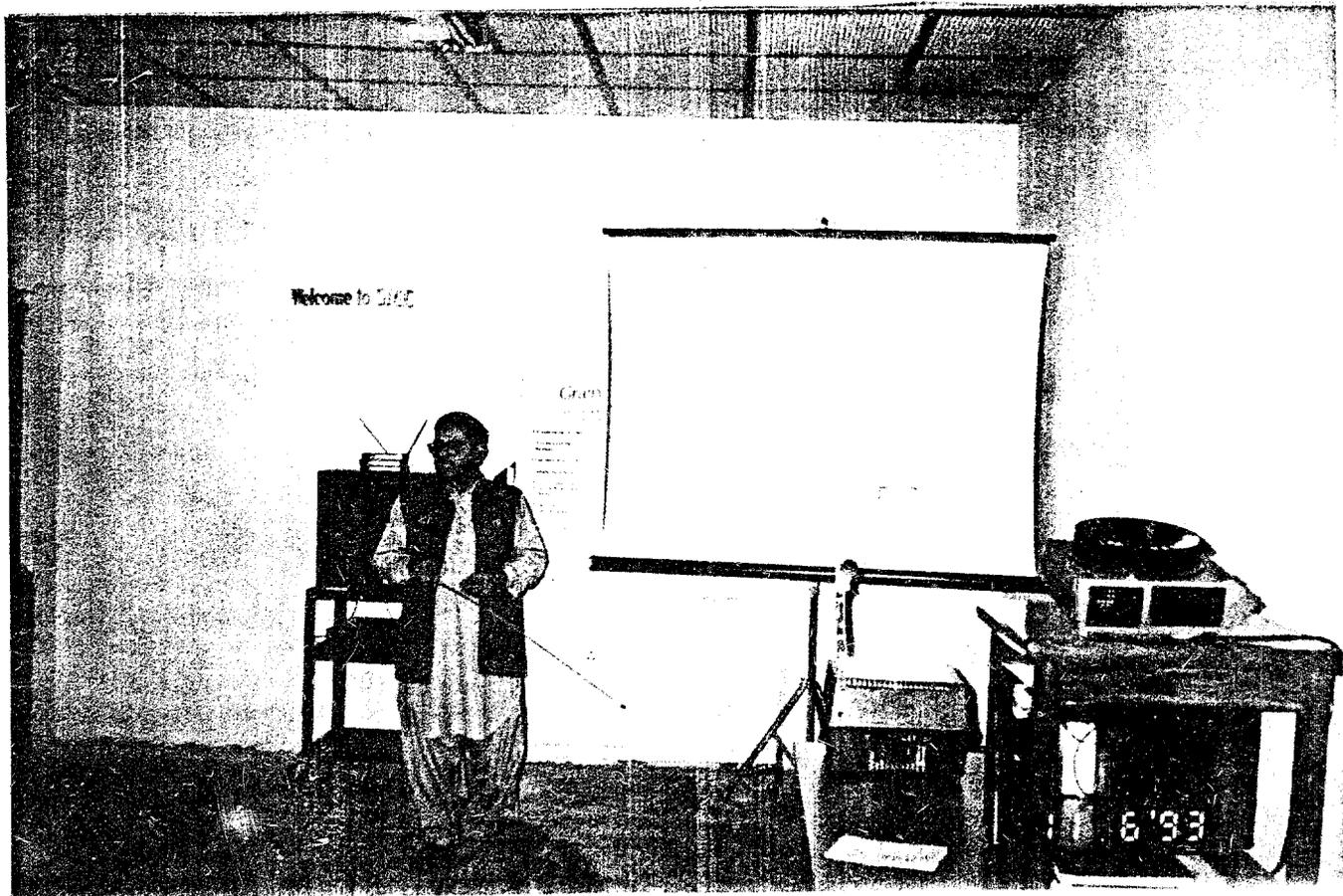


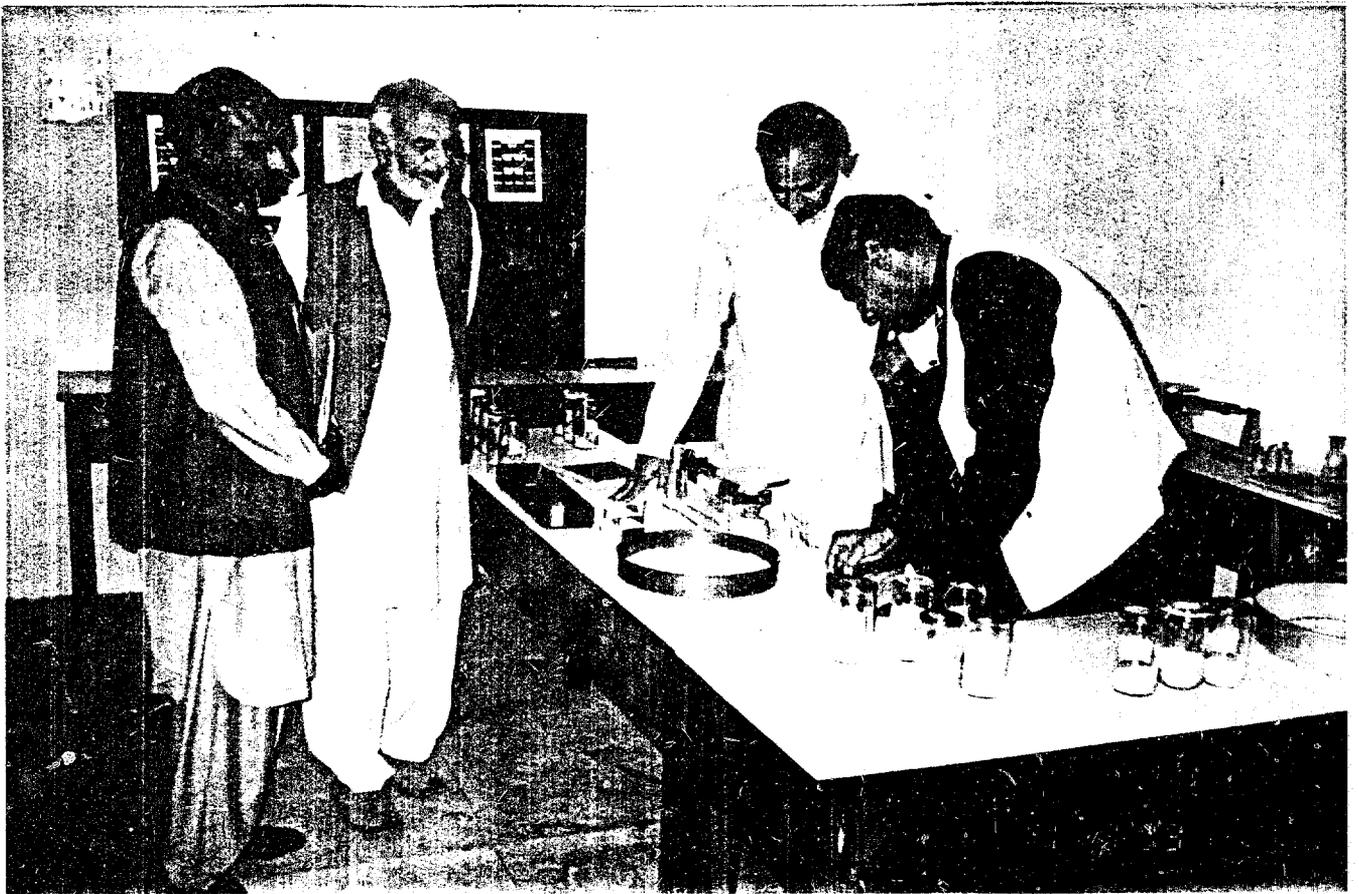
**MAJ. GEN. WASIF ALI, MANAGING DIRECTOR PASSCO ADDRESSING THE OPENING SESSION OF SHORT COURSE ON PADDY PROC. AND HANDLING ARRANGED FOR PASSCO OFFICERS AT GMC TRAINING CENTER**





GENERAL MANAGERS PASSCO, MAJ. MALIK MOHAMMAD NAWAZ AND MUKHTAR ALI BAIG ADDRESSING THE PARTICIPANTS TRAINING



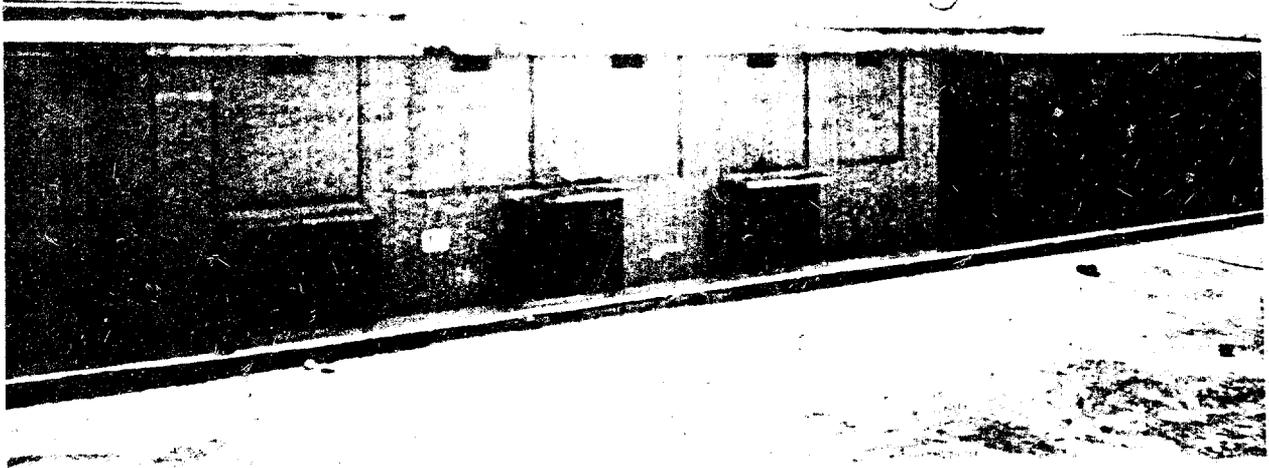


MANAGING DIRECTOR PASSCO AND TRAINING PARTICIPANTS OBSERVING THE PRACTICAL ANALYSIS OF PADDY AND RICE DURING TRAINING



Annex: "E"

**CONVERSION OF H/TYPE  
GODOWN FOR BULK STORAGE**



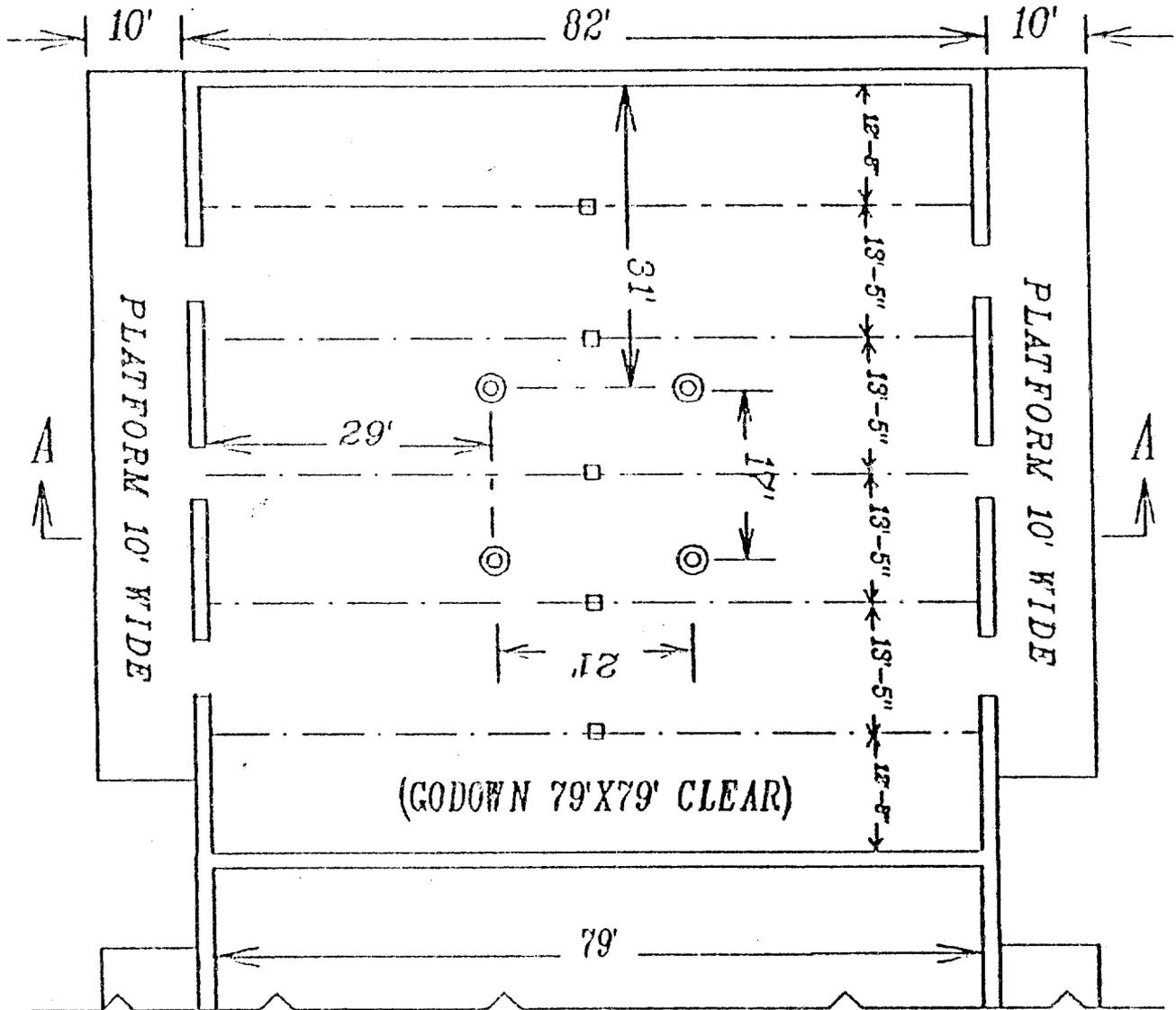
Bag type Gowdon At P.R.Center III, Islamabad



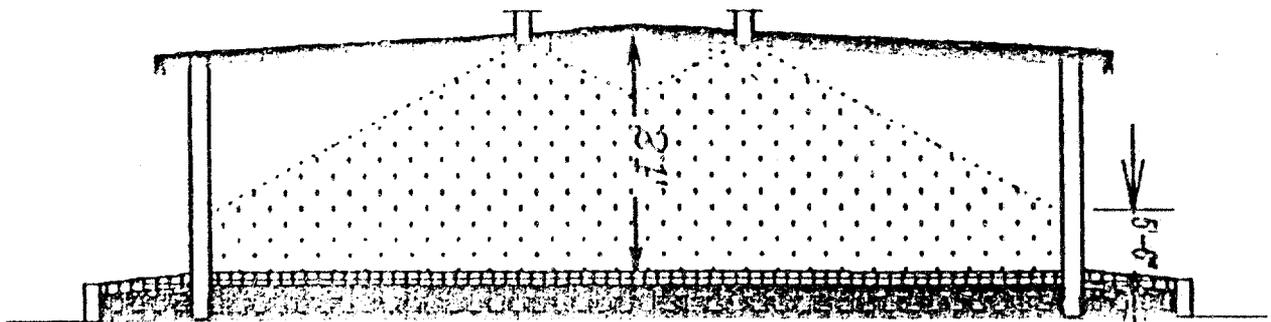
Getting Core Drill Ready for Operation

PUNJAB FOOD DEPARTMENT HT-GODOWNS

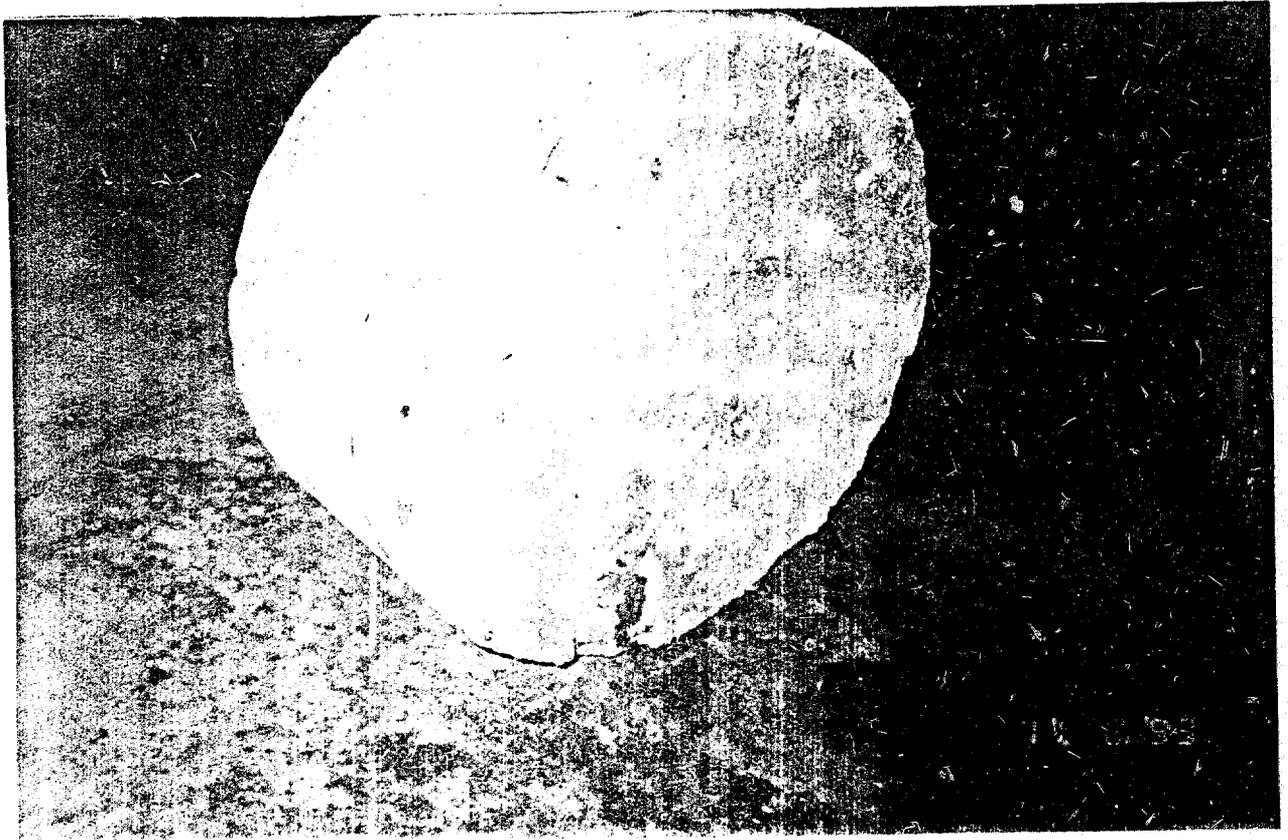
CONVERSION TO BULK STORAGE  
BY PROVIDING ROOF HATCHES



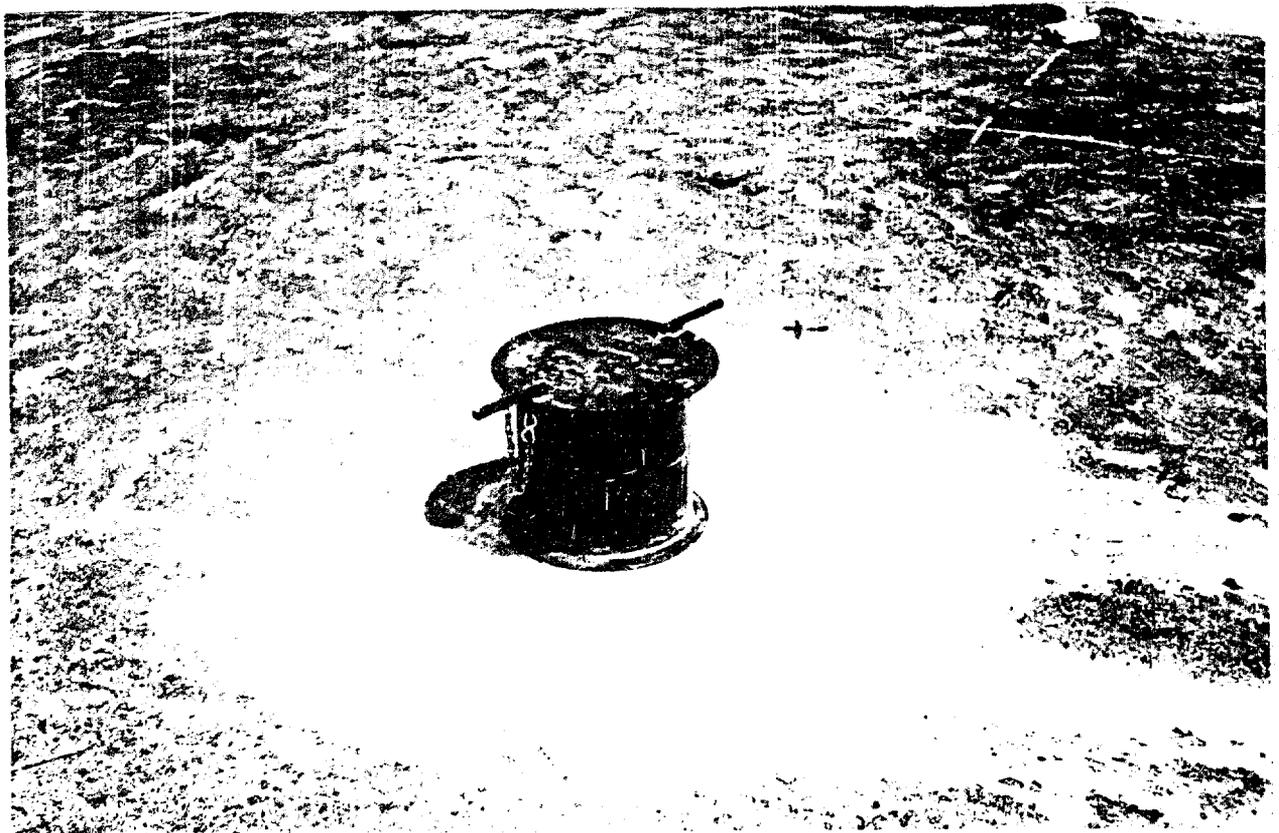
PLAN



SECTION AT AA'



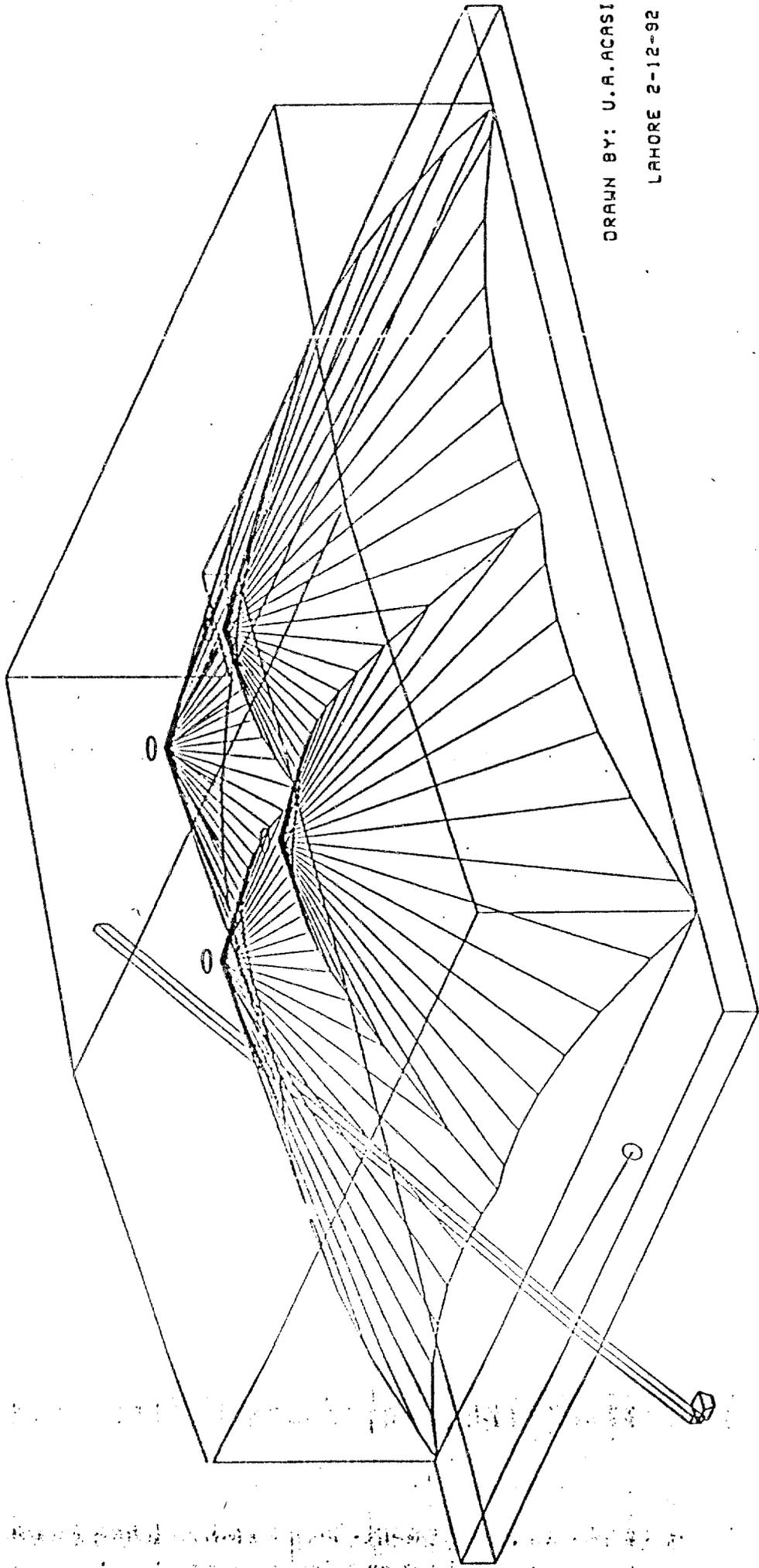
A Cut Core Section



Roof Hatch in Position

STORAGE TECHNOLOGY DEVELOPMENT AND TRANSFER PROJECT  
AGRICULTURE SECTOR SUPPORT PROGRAM

USAID PAKISTAN



DRAWN BY: U.A. ACASIO  
LAHORE 2-12-92

FIG. 1. PERSPECTIVE VIEW OF PROPOSED CONVERTIBLE GODOWN OF PUNJAB FOOD DEPT.

Annex: "F"

**RESEARCH  
IN GRAIN PROTECTION**

**GMC-PFD-PARC**

**Experiment No. 1: Physical quality of grain and insect management in binishells.**

Under this title three binishells located at Chak Kuriana, Jhang was fumigated by three different methods.

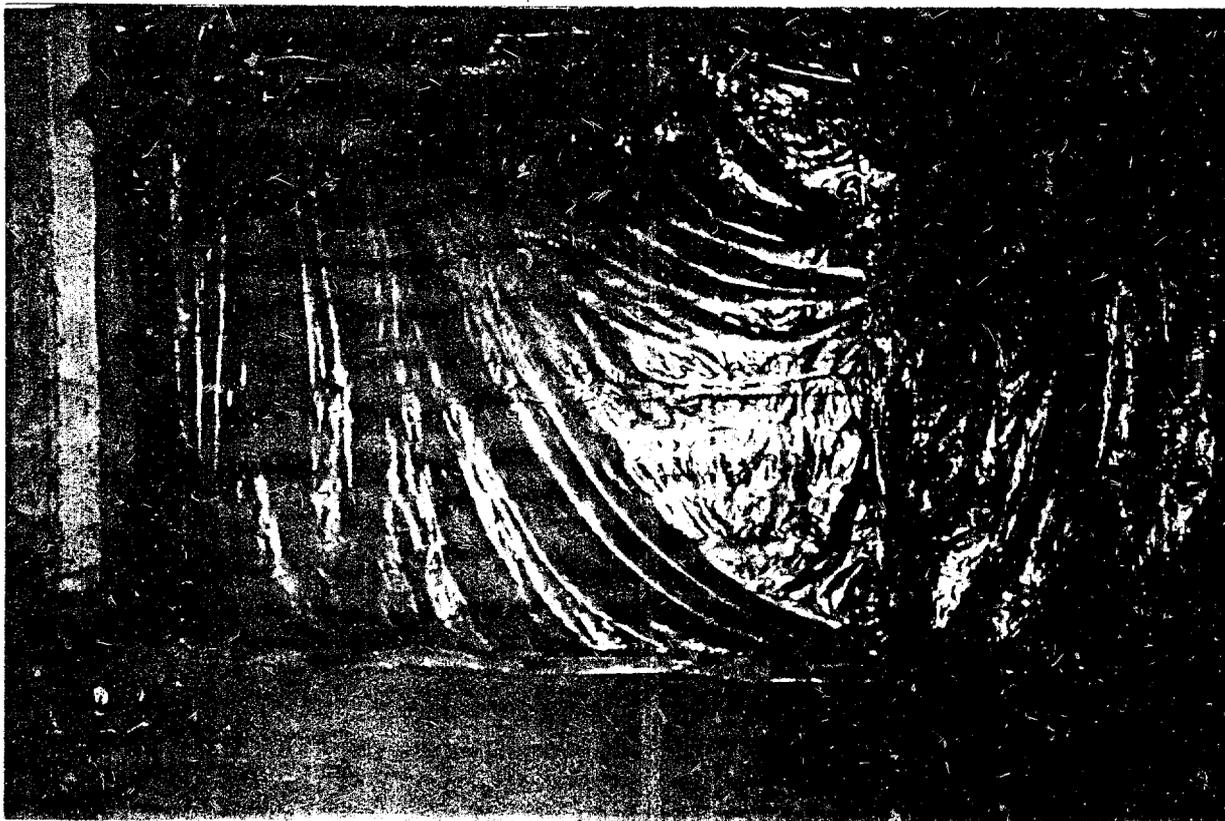
1. According to procedure and dose rate of fumigant as prescribed by the department i.e. 3 tablets per tonnes of stored wheat.
2. According to recommended dose rate of fumigant for whole godown fumigation i.e one tablet per cubic metre of godown space.
3. The fumigation under polyethylene cover by using 2.0 tablets per tonne.

The preliminary results revealed that godown fumigated by procedure No. 1 could, retain the lethal concentration of phosphine gas (above 200 ppm) for 4-5 days in different parts of the bulk cum bag wheat stack. By application of dose according to volume of the godown (Procedure No. 2), the gas retention was improved somewhat and retention period was 5-7 days. The fumigation under polyethylene cover proved to be best in uniform distribution and retention of lethal concentration. The phosphine gas concentration at all sensing points was above 1600 ppm after seven days from the date of application of fumigant. The gas monitoring is still continue.

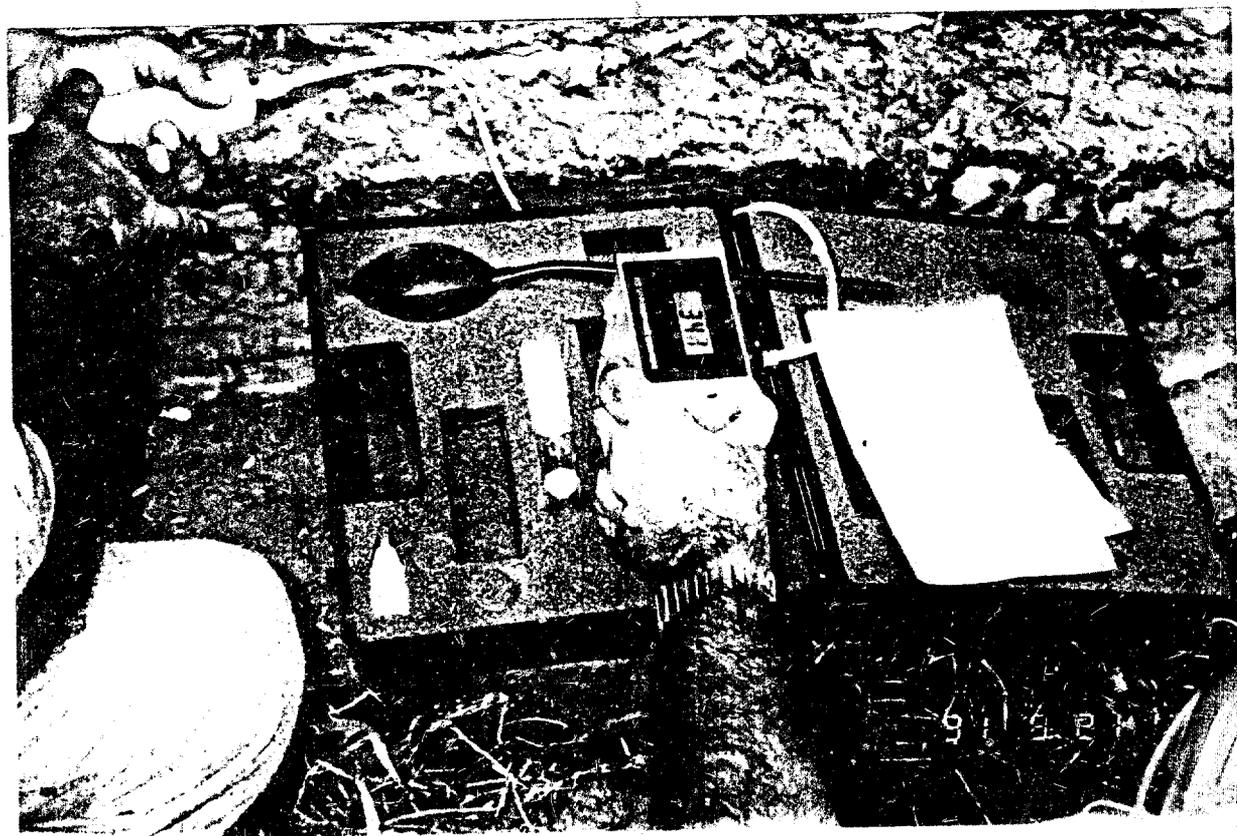
**Experiment No. 2: Phosphine dosage determination for insect pest control under polyethylene covers.**

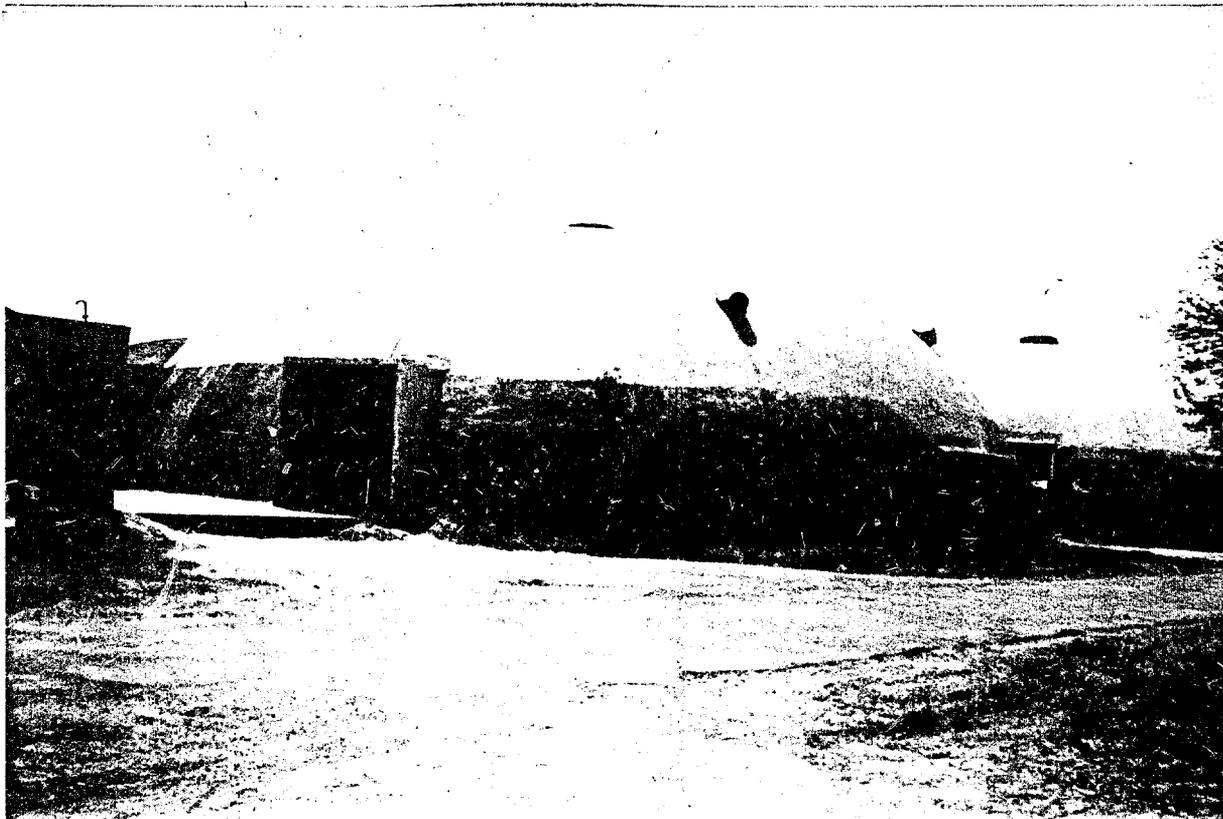
This experiment is being done at Set No. 3 in Faisalabad and five mini stacks are under this trial. The prime objective of this experiment is to devise a fumigant application methodology for polyethylene enclosure to ensure maximum gas exposure period. The preliminary results indicated an increase of 4 days in exposure period when the dose was applied in two successive applications as compared to single application of same dose.

The study has temporarily interrupted as our phosphine meter is busy at Jhang.



PHOSPHINE DOSAGE DETERMINATION FOR INSECT PEST CONTROL AT FAISALABAD AND JHANG BY GMC - UAF- PARC





PREPARATION OF STACK FOR PHOSPHINE FUMIGATION  
UNDER POLYETHYLENE SHEETS AT JHANG BINISHELLS



Annex: "G"

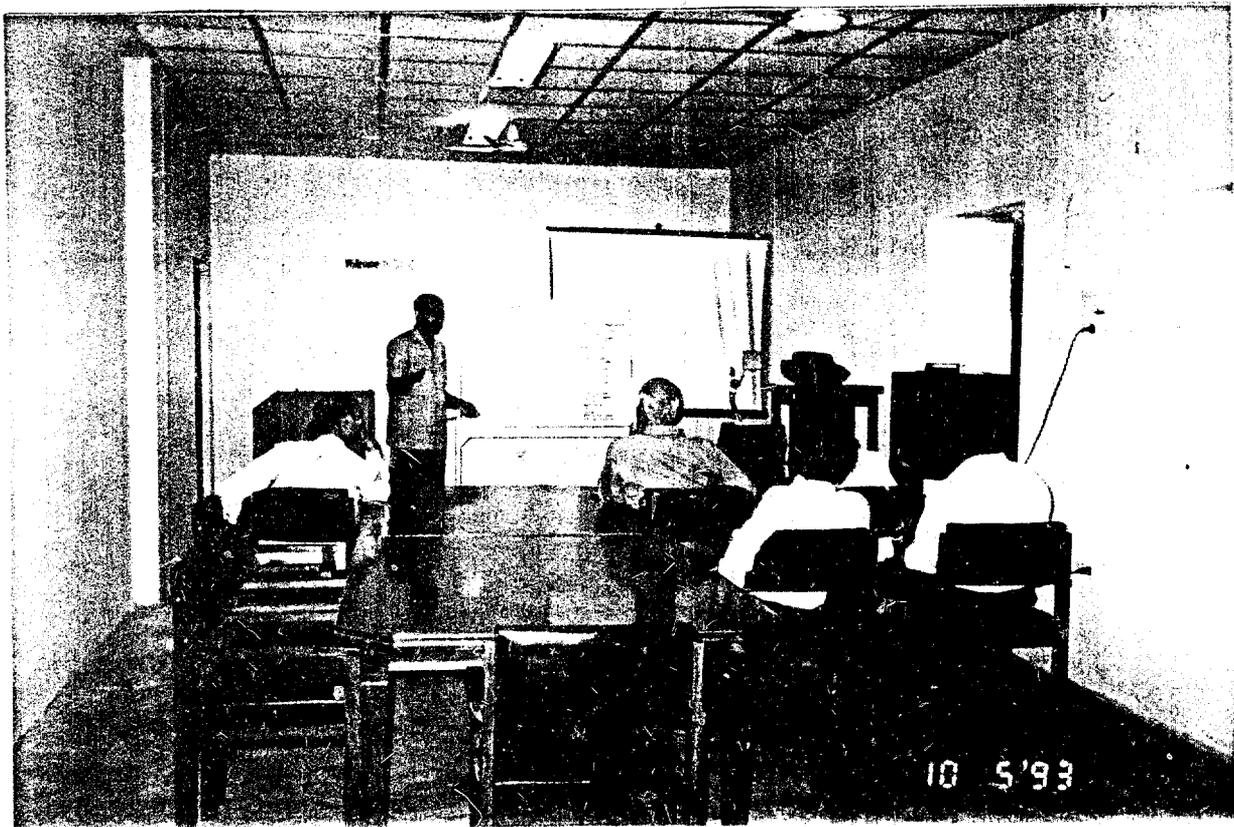
**OTHER ACTIVITIES  
OF " GMC "**

- BRIEFING FOR MINISTER FOOD PUNJAB**
- ASSISTANCE TO PFD FOR TAKING OVER OF  
FAISALABAD SILOS**
- IDENTIFICATION OF FLOUR MILLS FOR  
BULK DELIVERY OF WHEAT**
- REVIEW OF GMC ACTIVITIES**



VISIT OF GMC , BY MINISTER FOOD PUNJAB  
WITH SECRETARY FOOD AND DIRECTOR FOOD GOVT. OF PUNJAB





MR. SHAMSHER H. KHAN CONSULTANT GMC , BRIEFING THE MINISTER FOOD PUNJAB Lt. Gen. Prof. M. A . Z MAHYUDIN ABOUT PROJECT ACTIVITIES



To

**Grain Management Cell**  
**(Punjab Food Department)**  
Dated, Nov. 16, 1993

The Project Director  
G.M.C. Gulberg-III,  
Lahore.

**SUBJECT: TRIP REPORT REGARDING :-**

**a) TAKING OVER OF FAISALABAD SILOS FROM NLC**  
**BY PUNJAB FOOD DEPARTMENT AND**

**b) IDENTIFICATION OF FLOUR**  
**MILLS FOR DELIVERY OF BULK WHEAT.**

As desired by the Punjab Food Department following members visited Faisalabad on 15.11.1993 in connection to matters cited above.

1. Mr. M. Gulzar A. Qazi,  
Technical Advisor. PFD.
2. Mr. Shamsheer H. Khan  
Consultant GMC/PFD.
3. Mr. Arif Javaid,  
Consultant GMC/PFD.

The team arrived Faisalabad in the office of Deputy Director Food at 9:50 A.M. Rana Saeed Ahmed, Deputy Director Food Faisalabad, briefed the visiting team about the program for taking over of Faisalabad Silos and meeting with flour millers for bulk delivery of wheat to flour mills.

**a) TAKING OVER OF FAISALABAD SILOS.**

Visiting team along with Rana Saeed Ahmed and Mr. Khalid Mehmood, D.F.C Faisalabad held a meeting with representatives of the NLC comprising Lt. Col. (Rtd) Mr. Muhammad Abdullah Haroon OIC Works Faisalabad and Lt. Col. Khawja Sohail Hafeez G-1 EP & D HQ Engrs Rawalpindi.

NLC and Punjab Food Department representatives had a round of Silos premises. Col. Haroon pointed out that all defects mentioned in the minutes of last meeting held on 13.09.1993 issued by DDF Faisalabad vide his NO.2877 dated 16.09.1993 ( Copy attached ) had been removed. He further explained that the Silo is now ready for operation so proper handing taking over should take place. The NLC staff gave a test run of handling equipment's and Generator without loading grains.

It was observed that the defects in the minutes of the meeting referred above had been removed except installation of Railway wagon weigh bridge. OIC NLC Faisalabad assured that need full will be done by 31st March, 1994. He further said that delay in installation of Railway Wagon Weighbridge should not effect the handing / taking over of Silos because the weigh bridge is not required to be utilized at present for operation of the Silos. He also pointed out that inventory of all the mechanical, electrical equipment's and other fixtures in the Silos and ancillary buildings have been checked by the Storage Officer posted at the Silos by the Punjab Food Department and therefore the Silos could be taken over by the Food Department immediately.

Mr. M. Gulzar A. Qazi, suggested that the relevant completion plans for civil, mechanical and electric works along with technical and repair manuals etc. should also be handed over to Food Department.

Deputy Director Food, Faisalabad advised the DFC to coordinate with NLC staff for preparation of handing / taking over certificate for Grain Silos Faisalabad.

Consequently certificate for handing / taking over of Faisalabad Grain Silos was prepared by NLC which was signed by Lt. Col. (R) OIC Works NLC, Muhammad Abdullah Haroon and Mr. Khalid Mehmod, DFC, Faisalabad. ( copy of certificate along with lists of detail of drawing of civil work and details of Mechanical works attached.)

Copy of above mentioned inventories verified by Storage Officer Incharge Silos and DFC Faisalabad could not be delivered to the visiting team. Deputy Director Food, Faisalabad has been requested to provide its copy to Additional Director Food Punjab directly for record purpose.

**b) IDENTIFICATION OF FLOUR MILLS FOR BULK DELIVERY OF WHEAT.**

Later on the visiting team held a meeting with Deputy Director Food, and DFC Faisalabad regarding the delivery of bulk wheat to flour mills at Jhang. The DDF proposed that delivery of bulk wheat to flour mills can be started immediately to local flour mills at Jhang. Following flour mills were proposed by the Deputy Director Faisalabad :-

1. **Farooq Flour Mills Jhang.**
2. **Iqbal Flour Mills, Jhang.**
3. **Sufi Flour Mills Jhang.**

Mr. Khalid Mahmood DFC Faisalabad pointed out that owner of Farooq Flour Mill Jhang would be prepared to lift bulk wheat through its own carriers and the receiving pit of the mill is at convenient location for receiving wheat directly from the carriers. The visiting team is of the opinion that Farooq Flour Mills Jhang may be allowed to lift bulk wheat immediately from the bulk storage facility allocated by the Food Department.

Delivery of bulk wheat to the remaining two flour mills in Jahang can be made if PFD bulk carriers and grain conveyors at the mill locations are provided to the flour mills on charge basis.

Deputy Director Faisalabad said that bulk wheat stock at Jhag, Kuriana and Jamiaabad is about 25,000 Mt out of which 17,000 could be lifted by above mentioned three flour mills at Jhang. He suggested that remaining 8,000 MT bulk wheat may be delivered to Crescent Flour Mills Faisalabad because location of the receiving pit of the mill is convenient for bulk delivery and mill is out of the congested city area being on the main road.

Deputy Director Faisalabad suggested that if mill owners are allowed lifting of bulk wheat in addition to their quota there is a possibility that they will lift bulk wheat without any pre condition incentives.

The team then visited Crescent Flour Mills Faisalabad and asked the owner about his views for receipt of bulk wheat for his mill. The owner said that he would gladly participate in the exercise for trying the bulk system provided an incentive of Rs. 5.00 per bag could be allowed by PFD for compensating the loss due to bag cost. The owner also said that he would be prepared to modify the size of the receiving pit and modify the structure of the building for providing access of the bulk carriers direct to the pit.

The team left Faisalabad at 6.00 PM and reached Lahore at 9.00 Pm

#### **RECOMMENDATIONS BY THE VISITING TEAM:**

1. A minimum quantity of 16000 MT wheat may be allocated to Faisalabad Silos for full load test trial. This would be done by filling four silos and test the remaining silos by rotation of the wheat. The test trial will facilitate to identify any defects in the whole operational system which would be rectified by the NLC contractor. The test trial could take about three to four months. If immediate action is taken, the silos will be in fit condition to be filled with the fresh wheat to be procured in next harvest season.
2. Technical staff should be posted immediately at silos for getting proper training and concept of the silos operation during the maintenance period of NLC contractor.
3. The Additional Director may visit Faisalabad and Jhang to negotiate terms with the flour millers for bulk delivery program. It will be advisable to start the bulk delivery by last week of this month at the later.

**Shamsher H. Khan**  
Consultant

CC: Copies forwarded with (encls) to:

- Mr. M. Gulzar A Qazi Technical Advisor, Punjab Food Department
- Mr. Arif Javed Consultant GMC, Punjab Food Department
- Rana Saeed Ahmed Deputy Director Food Faisalabad.

**PROPOSALS FOR  
ISSUES CONTAINED IN THE AGENDA FOR THE MEETING  
TO BE HELD BY THE SECRETARY  
GOVT. OF PUNJAB FOOD DEPT. AT 11.00 AM. ON  
25-10-1993**

**ITEM: 1      Arrangemnts for Managing the Cell after departure of foreign consultants**

- \* Mr. Shabbir Ahmed Alvi S&EO Multan & Master Trainer GMC is proposed to be the Incharge of training program and work with Mr. Shamsheer H. Khan consultant(Training) till termination of Mr. Shamsheer's contract.
- \* An Assistant Director Mechanical may be appointed immediately who should work with Mr. Arif Javaid consultant (Mechanical) till termination of Mr. Arif's contract.
- \* Following 9 persons have been working with STDT Project of USAID & G.M.C during bulk handling operations from 1991-1993.
  1. Mr. Iftikhar Ahmed
  2. Mr. Binyamin
  3. Mr. Ghulam Mohammed
  4. Mohammed Aslam
  5. Shaukat Ali Shafqat
  6. Mr. M. Azam
  7. Mr. M. Khalid
  8. Mr. Nazar Hussain
  9. Arif Mansoor (Training Assistant)

These persons have given verbal consent and their written consent will be obtained after the meeting if, so agreed. Remaining operators / Training Assisstant will have to be appointed or selected from the Department.

**ITEM: 2 Targets of the GMC with up to -date achievements**

<b><u>Targets</u></b>	<b><u>Achievements</u></b>
1. Establishment of Grain Managemnt Cell (GMC)	<i>Achieved</i>
2. Allocation of training and bulk equipment from USAID	<i>Achieved</i>
3. Implementation of PIL # 35 and reimbursement of funds from USAID.	<i>In progress</i>
4. Delivery of 780 MT Bulk wheat to Flour Mill at Okara	<i>Achieved</i>
5. Master Trainers Training Program For PFD 8 Senior personnel	<i>Achieved</i>
6. Basic Computer Training Programs for Deputy Directors and others	<i>Achieved</i>
7. Conversion of existing HT godown for bulk storage at Rawalpindi	<i>Achieved</i>
8. Demonstartion of Pest Control Techniques for operational staff	<i>Achieved</i>
9. Conduct Research in determination for phosphine dosage in open and godown storage in coordination with UAF and PARC	<i>In progress</i>
10. Procurement , handling and storage of 25,000 MT of bulk wheat in Jhang, Multan, Sahiwal, Khanewal and Karor areas.	<b><u>Against the target of 25,000 bulk wheat 75,000 MT has been stored.Arrangements for bulk delivery to Mills are being made.</u></b>
11. Seminar on bulk grain Management.	<i>Achieved</i>
12. Training of operational personnel	<i>To be conducted in Nov. 93</i>

**Item:No, 3. Issue of wheat from bulk storage to flour mills - progress and problems if any.**

Program for bulk delivery of wheat to flour mill is as under:

<u>FROM</u>	<u>Qty</u>	<u>TO</u>
Jhang	25,000 MT	Faisalabad
Multan	36,000 MT	Rawalpindi
Karor	2,000 MT	Lahore
Sahiwal	6,000 MT	Lahore
Khanewal	6,000 MT	Lahore

Flour Mills are being contacted for receiving wheat in bulk from PFD bulk storage facilities. Following two Mills have given their consent to receive wheat in bulk .

a)Supreme Flour Mills Lahore

8000 MT be issued from Khanewal and Karor. Delivery rate at mill site is to be settled with mill owner.

b)Sunny Flour Mills Lahore

6,000 Mt wheat will be supplied from Sahiwal. Rate for delivery at mill will be settled.

Other Flour Mills are being contacted at Jhang, Faisalabad ,Rawalpindi and Islamabad for receiving bulk wheat. Project Director GMC along with two consultants and Technical Advisor will visit these stations in the last week of this month to finalize the bulk delivery program with the flour mills.

Transporation of bulk wheat from Jhang to Faisalabad will be made departmentally by use of following bulk carriers:

**1. Hopper Bottom Trailers (one double axle - one single axle) 20 MT capacity each**

Double axle trailer will be pulled by MF 375 Tractor available with the Department. Sigle axle trailer needs to be driven by Prime Mover which is not available. There-fore approval is to be solicited for modification of trailer by addition of front axle to make it possible to be pulled by another MF 375 tractor available with the tractor. Second tractor need repair to its hydraulic system for which approval is to be solicited.

## **2. Eight Gravity Wagons - 5 MT each**

These wagons will be pulled by 4 No's MF 240 available with the Department.

3. A request has been made to PASSCO for allowing use of ten tipping trucks available with them. With all above arrangements it would be possible to shift 25,000 tones wheat in bulk from Jhang to Faisalabad. In case Trucks are not made available, hired transport will have to be arranged for transportation of about 20,000 MT wheat from Jhang to Faisalabad.

### **Transportation for supply of wheat from Bulk storage Jhang to local flour mills.**

5 bulk tipping trolleys are available with the Department but tractors will have to be hired by PFD and expanses will be met out of the transport charges recovered from the flour mills.

### **Transportation wheat in bulk to Lahore and Rawalpindi**

For long distance transportation of wheat from Multan, Karor Pacca, Sahiwal and Khanewal to Rawalpindi and Lahore, tenders have been invited. Besides NLC has also been contacted to provide bulk trailers. On response from them, meeting will be held with NLC authorities to settle terms and conditions.

### **PROBLEMS LIKELY TO BE FACED IN BULK DELIVERY.**

1. Limited number of bulk handling equipment's have been provided by USAID. At present no arrangements for receipt of bulk wheat exists at Flour Mills. During meeting with the Flour Mills it will be sorted out whether arrangements for un loading would be arranged by the Flour Mills or Food Department will have to provide equipment's for unloading of bulk wheat at the Flour Mills . In the case of later either the additional equipemnt will have to be got manufactured locally or the procurement of bulk delivery wheat to the Flour Mills will have to be curtailed. However efforts will be made to select minimum number of Flour Mills so that available equipment may be installed at minimum number of places.
2. At present there are four Operators/Tractor Drivers working in the field where as there are 16 tractors available with the Food Department. To run the bulk delivery operations efficiently 10 tractor drivers/operators will have to be employed on daily basis.
3. During field operations some some equipment is required to be repaired immediately which sufficient financial powers are not available with the District Food Controllers. Special powers for the purpose will have to be got available to the District Food Controllers.
4. In the meetings so far held with the Flour Mills it has been observed that the Flour Mills are some what reluctant to receive wheat in bulk due to low cost of bag provided by the Food Department as against its market prices. At present gunny bags are provided to the Flour Mills at the price of Rs.15 per bag where as its market price arranged from 18 to 20

per bag. In this wheat the Flour Mills earned profit in the bags supplied by the Food Department. It is proposed that sale price of gunny bags may be fixed at Rs.20 per bags for the scheme year 1993-94 and Rs.25 for the next procurement scheme.

**ITEM NO. 4. REPAIR OF GODOWNS.**

Repair of godowns is the most neglected subject in the Food Department. A proposal is under consideration with the Food Department for allocation of repair work to PASSCO. Terms and conditions have also been finalized and case is pending for approval with the Food Department. It is proposed that this case may be finalized earlier so that repair work could be started. As releases has been started and next 6 months are the possible time for repairs during which empty godowns can be made available to PASSCO for repairs.

**ITEM NO. 5. ANY OTHER ITEM RELEVANT TO THE BULK HANDLING.**

During scheme year 1993-94 delivery charges for bulk delivery of wheat were fixed at Rs.2.95 per quintal. Since approval from the Finance Department was received at later stage and procurement had already been started, this decision could not be implemented. It is proposed that approval for allowing delivery charges of Rs.2.95 per bag of 100 Kg for scheme year 1994-95 may be got early so that it could be given wide publicity before commencement of procurement scheme.

At present most of wheat stored at Silos is purchased at the Flag Procurement Centers and transported to the Silos through Transport Contractors. It is suggested that during the next procurement scheme, procurement may be made directly at the silos at Multan & Faisalabad. Transportation charges presently allowed by the Food Department to the Transport Contractors may be assessed and per ton causes be worked out. During 1993-94 these transportation charges may be given directly to the growers/suppliers supplying of wheat directly to the silos to encouraged him to supply wheat at the storage point directly.

**ITEM NO. GENERATION OF FUNDS FOR CONTINUATION AND EXPANSION FOR BULK GRAIN HANDLING AND STORAGE ACTIVITIES.**

In order to continue bulk grain handling activities of G.M.C on sustained basis, it is proposed that savings obtained by the Food Department due to use of bulk grain handling equipment's in handling and transportation of wheat and expenditure saved on purchase of gunny bags on the quantities handled may be credited to the G.M.C. This would facilitate enforcement of bulk grain handling system in the province which is an additional burden on Government exchequer.

**MINUTES OF MEETING REGARDING WORKING**  
**OF THE G.M.C. HELD ON 25.10.1993 AT 1.00 A.M.**

**PARTICIPANTS.**

1. Mr. Kamran Rasool (In Chair)  
Secretary Food, Punjab  
Lahore.
2. Mr. Tariq Shafi Chak  
Director Food, Punjab  
Lahore.
3. Sardar Muhammad Akram  
Deputy Secretary Food,  
Punjab, Lahore.
4. Mr. Muhammad Sharif  
Additional Director Food,  
Punjab, Lahore.
5. Mr. Muhammad Hanif Zaka  
Section Officer Food(I).
6. Mr. M. Gulzar A. Qazi,  
Hon: Technical Advisor PFD  
Lahore.
7. Mr. Shamsheer H. Khan  
Consultant (Trng), G.M.C.
8. Mr. Arif Javaid,  
Consultant (Mechanical), G.M.C.

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Meeting was held at 11.00 A.M. in the office of Secretary Food, Punjab, Lahore. The Secretary Food welcomed the participants and invited the Director Food to open the discussion as per agenda. Director Food gave a brief overview of the G.M.C. activities implemented during Feb 1993 through Oct 1993.

Items of the agenda were then discussed as under:

**1. ARRANGEMENTS FOR MANAGING THE CELL AFTER THE DEPARTURE OF FOREIGN CONSULTANTS.**

Mr. Sharif said that contract of 2 consultants and 6 operators / mechanics is ending on October 31, 1993. Mr. Tariq Shafi Chak proposed that Mr. Alvi S&EO Multan has been recently trained as Master Trainer and is considered suitable to take up the training program in G.M.C. after getting proper coaching from Mr. Shamsheer H. Khan Consultant. Therefore Mr. Tariq Chak proposed that Mr. Alvi may be posted at G.M.C. to work with Mr. Shamsheer H. Khan until the termination of Mr. Shamsheer's contract. Mr. Sharif said that GMC intends to conduct short courses in grain storage management for operational personnel effective from last week of November, 1993. He also explained that newly trained Master Trainers would conduct these short courses under the supervision of Mr. Shamsheer H. Khan. Mr. Shamsheer said that the necessary training material and syllabus had been prepared to run the regular short courses.

Mr. Sharif suggested that an Assistant Director Mechanical (grade 17) should be appointed immediately because necessary provision exists in the approved PC-1 or ADP scheme. The newly appointed Assistant Director Mechanical was proposed to work under the supervision of Mr. Arif Javaid, Consultant until the termination of contract of Mr. Arif Javaid.

Mr. Gulzar Qazi said that Mr. Alvi and the newly appointed Assistant Director Mechanical should work for overlap period of at least a year with Mr. Shamsheer and Mr. Arif respectively to get a proper concept of training and implementation of the bulk handling program. The Secretary said that he would take up the matter with Mr. Denis Weller USAID, Islamabad, during the meeting with him on 26.10.1993 at Lahore for extension of the contract period of these professionals until June, 1994. This would give opportunity to Punjab Food Department to utilize the services of these professionals for delivery of 75,000 of bulk stored wheat to the flour Mills and for continuation of training programs.

Mr. Sharif said that 9 Operators/Mechanics who had been working with STDT Project of USAID are now working with G.M.C. They had enough experience and expertise to be absorbed on regular basis against the vacancies approved in ADP Scheme. The matter for their absorption was discussed in detail and the Secretary desired that Directorate of Food should take immediate action to fill the vacancies under rule and regulations.

**2. TARGETS OF G.M.C. WITH UPTO DATE ACHIEVEMENTS.**

A summary of targets of G.M.C. with up to date achievements was presented to Secretary Food. The achievements of G.M.C in Bulk Grain Handling, research and training were appreciated by the Secretary.

The Secretary Food said that special efforts would be needed to deliver 75,000 M.T of bulk wheat to flour mills and to commence the training program for operational personnel.

Secretary Food desired the bulk wheat should be released without any delay after finalizing the arrangement with flour mills. Director Food said that he is holding a meeting with flour millers in his office on 3-11-93 to discuss the issues related to bulk handling, transportation and delivery bulk of wheat to mills.

### **3. ISSUE OF WHEAT FOR BULK STORAGE TO FLOUR MILLS - PROGRESS AND PROBLEMS IF ANY.**

Mr. Sharif said that about 780 ton bulk wheat was issued to flour Mills in early March 1993. However program for the delivery of 75,000 MT wheat in bulk is as under:-

<b>FROM</b>	<b>TO</b>	<b>QTY</b>
Khanewal	Lahore	6,000 MT
Jhang	Faisalabad	25,000 MT
Multan	Rawalpindi	36,000 MT
Karor	Lahore	2,000 MT
Sahiwal	Lahore	6,000 MT

Mr. Sharif informed that he has received requests from a few flour mills to participate in the bulk wheat delivery program. He said that he along with Consultants and Technical Advisor would visit Faisalabad on 14.11.1993 to finalize the arrangements with flour millers regarding delivery of bulk wheat. He further said that the bulk carriers available with PFD would be utilized for transportation of bulk wheat from Jhang to Faisalabad. For transportation of bulk wheat for long distances, PASSCO, NLC, and private sector have been contacted. As soon as any positive response is received from them, delivery of bulk wheat will be started. The transportation charges would have to be negotiated and finalized with the flour mills also.

Mr. Tariq Chak said that the quantity of bulk carriers and the bulk handling equipment available with P.F.D is very limited and it would be not possible to expand the bulk handling program. Similarly the laboratory equipment for testing quality and research work is also not available. The vehicles for the supervising staff are insufficient. Therefore he requested that the Secretary to discuss this issue with Mr. Denis Weller to explore the possibility of getting financial assistance from USAID in addition to PIL # 35 for this purpose.

### **4. REPAIR OF GODOWN.**

Mr. Sharif said that repair of godown is the most neglected subject. It had already been agreed that PASSCO would do the repair and maintenance work of P.F.D godowns. The agreement with PASSCO was referred by Food Secretary to the Finance Department. The secretary studied the file briefly and it was observed that the Finance Department had already agreed in a summary to the Chief Minister that the repair work of godowns should be got done by PASSCO. Therefore

the Secretary asked the Deputy Secretary to draft a D.O letter from Secretary Food to the Finance Department accordingly so that the agreement with PASSCO could be finalized at the earliest.

**5. ANY OTHER ITEM RELEVANT TO BULK HANDLING.**

a) Mr. Sharif said that during scheme year 1993-94 delivery charges for bulk delivery of wheat were fixed at Rs.2,95 per quintal. Since approval from the Finance Department was received at a later stage when procurement had already been started, this decision could be implemented. He proposed that a fresh approval for allowing delivery charges of Rs.2.95 per bag of 100 kg for scheme year 1994-95 may be got early so that it could be give wide publicity before commencement of procurement scheme.

b) Mr. Gulzar Qazi said that at present most of wheat at sites is purchased at Flag Procurement Centres and transported to sites through contractors.

c) Director Food mentioned that he has forwarded a reference to the Secretary for decrease in the subsidy being paid by Punjab Government to Flour Millers. He mentioned that price of bardana should be Rs.25.00 instead of Rs.15.00 because new bardana price is Rs.31.00 against the price of Rs.21.00 when the recovery price was fixed @ Rs.15.00 per bag.

**6. GENERATION OF FUNDS FOR CONTINUATION AND EXPANSION FOR BULK GRAIN HANDLING AND STORAGE ACTIVITIES.**

Mr. Gulzar Qazi suggested that amount of savings in the incidental cost due to bulk wheat handling in a year should be placed at the disposal of G.M.C during the next year for expanding the recoup of bulk program. If it is agreed by the government, the bulk system could be implemented in the country without any burden on the government exchequer.

7. FOLLOWING DECISIONS WERE TAKEN.

- i) Mr. Alvi S&ED, Multan, **may** be transferred to GMC, Lahore. He should work with Mr. Shamsheer H. Khan, Consultant, till termination of the contract of Mr. Shamsheer.
- ii) Immediate action should be taken for:-
  - (a) appointment of a new Assistant Director Mechanical. After appointment he should work under Mr. Arif Javaid consultant till expiry of contract of the Arif.
  - (b) filling vacancies of 9 operator/mechanics. Due consideration should be given to the candidates having specialized experience in the operation of bulk handling system.
- iii) The delivery of 75,000 MT wheat to flour mills in bulk should be started immediately as per program discussed under para 3 above.
- iv) The Secretary would discuss with Mr. Denis Weller on 26.05.1993 to explore the possibility of getting assistance from USAID for :-
  - (a) extension of the contract period of the consultants and operators/mechanics.
  - (b) procurement of testing and laboratory equipment, additional grain handling equipment, the bulk carriers and three vehicles for, supervisory staff.
- v) Action would be initiated by Director Food for the proposals contained in paras 4,5 and 6 above.

**Targets of the GMC with up to -date achievements**

<b><u>Targets</u></b>	<b><u>Achievements</u></b>
1. Establishment of Grain Management Cell (GMC)	Achieved
2. Allocation of training and bulk equipment from USAID	Achieved
3. Implementation of PIL # 35 and reimbursement of funds from USAID.	In progress
4. Delivery of 780 MT Bulk wheat to Flour Mill at Okara	Achieved
5. Master Trainers Training Program For PFD 8 Senior personnel	Achieved
6. Basic Computer Training Programs for Deputy Directors and others	Achieved
7. Conversion of existing HT godown for bulk storage at Rawalpindi	Achieved
8. Demonstration of Pest Control Techniques for operational staff	Achieved
9. Conduct Research in determination for phosphine dosage in open and godown storage in coordination with UAF and PARC	In progress
10. Procurement , handling and storage of 25,000 MT of bulk wheat in Jhang, Multan, Sahiwal, Khanewal and Karor areas.	Against the target of 25,000 bulk wheat 75,000 MT has been stored. Arrangements for bulk delivery to Mills are being made.
11. Seminar on Bulk Grain Management	Achieved
12. Training of operational personnel	be conducted in Nov. 1993

## **DELIVERY OF BULK WHEAT STATIONS & Qty(IN MT)**

