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3.1 INTRODUCTION
As per objectives of the study, details of methodology which includes nature of data, sample of the study, tools and techniques used for data collection and procedure adopted for data analysis have been presented in this chapter.

3.2 FOCUS OF THE STUDY
The review of related studies indicated that several studies looked at the functioning of the mid day meal scheme in rural areas in Madhya Pradesh various surveys had been conducted but focus of the surveys were generally on the functioning of Mid Day Meal scheme in rural areas. So, in order to understand organizational structure, issues related with the quality and quantity of Mid Day Meal served, role of parent teacher association in urban set up. The researcher had decided to conduct the study on Mid Day Meal Scheme in Government primary schools of Gwalior city. The researcher studied implementation aspect, organizational structure, quantity and quality of the cooked food served to students, opinion of beneficiaries and functionaries of the Mid Day Meal Programme and regularity of the Mid Day Meal.

3.3 NATURE OF DATA
In order to realize objectives of the study, quantitative and qualitative data were required. The quantitative data was regarding the cooking cost of the food, calories of food provided, amount of food grains released etc., qualitative data was regarding the implementation of the scheme at school level, reactions or opinions of the functionaries and beneficiaries of the scheme, regularity of the Mid Day Meal, were collected.
3.4 SOURCES OF DATA

The data was collected from government documents, school records, reports of various Commissions and Committees, guideline of NP-PSPE-2006. Annual Work Plan and Budget (AWP & B) for Mid Day Meal Programme and Sarva Siksha Abhiyan for last three years. Further, the data was obtained from the beneficiaries of the scheme viz. students and parents of the students of Government primary schools of Gwalior city for the present study. Data was also obtained from the functionaries of the scheme which included teachers in charge of MDM, members of MDM cell, CEO of Gwalior district and the supplier of the cooked food.

3.5 POPULATION AND SAMPLE

The Gwalior district is comprised of five blocks viz. Dabra, Bhitarwar, Gatigaon, Morar (R), Morar (U). Morar (U) is the Gwalior city. Population for this study i.e. government primary schools, are 309 schools. Out of these schools 10% of them were selected randomly for the present study. The Gwalior city is divided into three zones i.e. Gwalior, Lashkar and Morar. 10 schools from each zones were selected randomly. The interview was conducted with five students from each school in the school premises. Interview was conducted with five parents of the sampled students. The staff incharge for the MDMP in all the sampled schools were interviewed to get the idea about various aspects of MDMP. In addition to this CEO (Zilla Panchayat) and all the members of MDM cell were included in sample. Further food supplier of the centralized kitchen was also intervieweed for the present piece of work.
3.6 **TOOLS FOR DATA COLLECTION**

Before tool construction, the researcher visited various primary schools of Gwalior city, conducted meetings with the members of steering cum monitoring committee, reviewed the guidelines of MDMP issued by Central Government and State Government with a view to obtain knowledge of various aspects of Mid Day Meal Scheme. Following tools were implemented for this study.

3.6.1 **Observation Schedule For The Schools.**

The observation schedule was constructed to observe following aspects related with the MDM.

- Teacher’s Role.
- Food Quality and Quantity.
- Utensils.
- Time spent in distribution of food and consumption of food in school.
- Food receiving and distribution area.
- Drinking water facility.
- Teaching learning process.

The copy of observation of schedule can be seen in Annexure- III.
3.6.2 Semi Structured Interview Schedule for Teachers in charge of Mid Day Meal. The interview schedule focused upon following aspects.

- Teacher’s role.
- Impact of MDM on enrollment and attendance.
- Problems faced by teachers in organizing the Mid Day Meal Programme.
- Teacher’s opinion about various aspects of MDM.
- Teachers suggestions to run the scheme smoothly.

The copy of the interview schedule can be seen Annexure-IV.

3.6.3 Semi Structured Interview Schedule for the CEO in charge of MDM.

- Implementation of the scheme.
- Organizational aspects of MDM.
- Procurement of food grains.
- Food grain Flow.
- Budget for MDM programme.
- Fund flow.

The copy of the interview schedule can be seen in Annexure-V.

3.6.4 Semi Structured Interview Schedule for Task Manager.

- Monitoring aspects of MDM.
- Management problems related with MDM.
- Suggestions and opinions about various aspects of MDM.

The copy of the interview schedule can be seen in Annexure-VI.
3.6.5 Semi Structured Interview Schedule For Quality Monitor.
- Role of the quality controller.
- Problems faced.
- Visits to schools.
- Suggestions to run the MDM smoothly.
The copy of the interview schedule can be seen in Annexure-VII.

3.6.6 Semi-Structured Interview Schedule For The Supplier.
- Implementation from the centralized kitchen to school.
- Menu.
- Procurement of food grains, storage.
- Cooking cost.
- Fund for ingredients.
- Preparation of food with respect to cooking devices, kitchen school, cooking time, distribution of food to schools, transportation facility etc.
The copy of the interview schedule can be seen in Annexure-VIII.

3.6.7 Semi Structured Interview Schedule for Students.
- Likes and dislikes of the menu.
- Regularity of the meal.
- Quantity of the food.
- Opinion about the food.
- Suggestions.
The copy of the interview schedule can be seen in Annexure-IX.

3.6.8 Semi Structured Interview Schedule for Parents.
- Satisfaction about the scheme.
- Problems of unhygienic food.
- Regularity of the meal.
- Quantity and quality of the food.
The copy of the interview schedule can be seen in Annexure-X.
3.7 DATA COLLECTION

The data necessary for this study was collected by the researcher personally. The researcher conducted informal discussion with the teachers in charge of MDM and members of MDM cell. The knowledge obtained through the informal discussion and participant observations of 3-4 schools was utilized for the construction of tools. The researcher spent 2-3 hours in the school premises for the observations of the various aspects viz teaching learning process and implementation Mid Day Meal Process. The researcher spent 4 to 5 days per school to conduct the observation, interview with the teachers in charge of MDMP and interview with students. Further prior appointment were taken from the CEO and members of the MDM cell to conduct the interview.

House hold survey was conducted to obtain the data from the parents of the students enrolled in sampled schools. The food supplier was also interviewed to get the idea regarding the various dynamics of centralized kitchen.

3.8 DATA ANALYSIS

The data collected for the present research study was analyzed with the help of quantitative and qualitative techniques. The researcher used percentage and content analysis method as per the requirement.