

12th

Joint Review Mission



Chhattisgarh
(2nd to 9th Dec.2019)

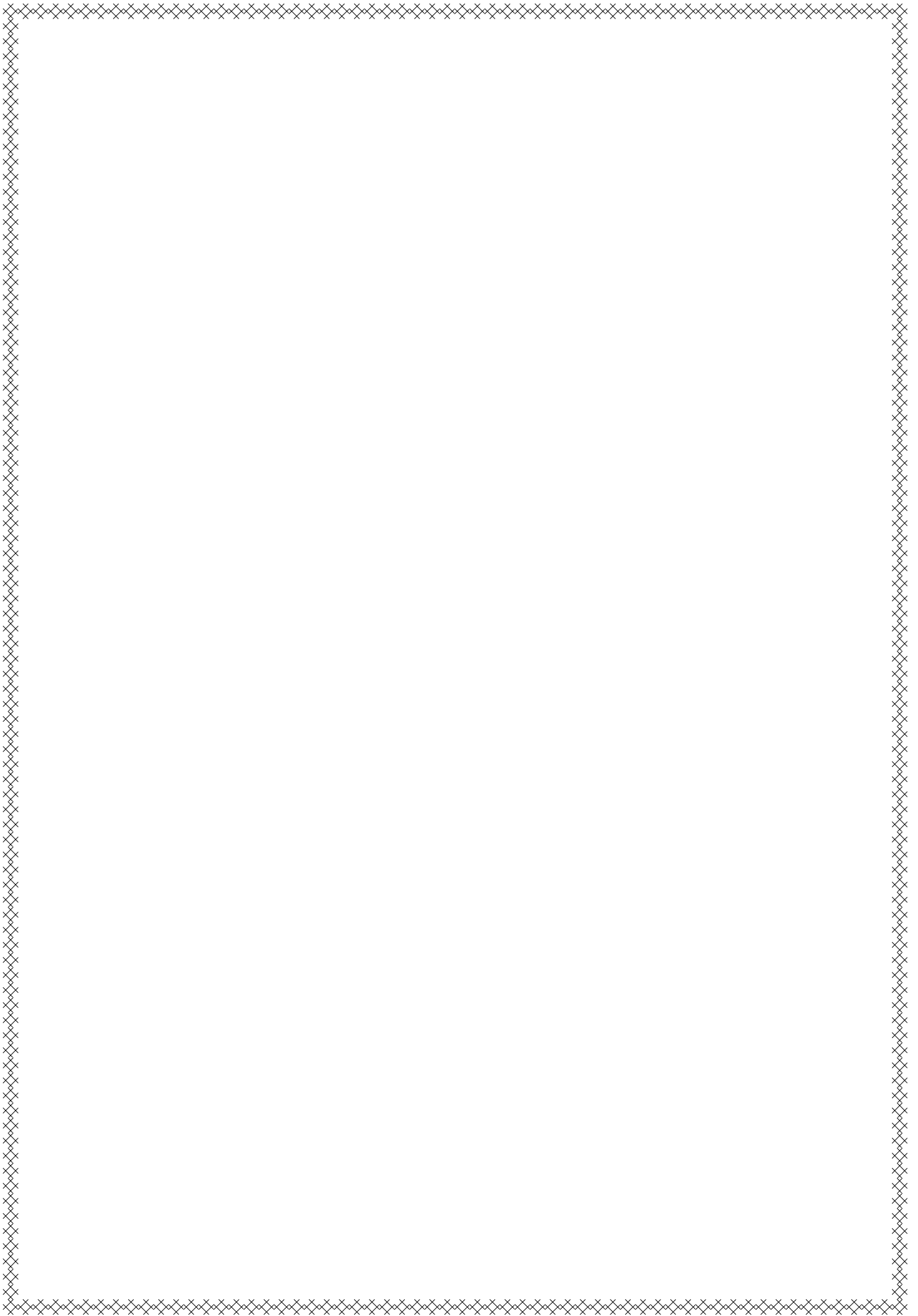


Rajnandgaon



Dhamtari





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Government of India

Ministry of Human Resource Development

Department of School Education & Literacy



**मध्याह्न भोजन योजना
Mid Day Meal Scheme**

**Report of 12th Joint Review Mission on
Mid-Day Meal Scheme - Chhattisgarh**

(2nd to 9th December, 2019)

Contents

Executive Summary	6
1. Good Practices observed	6
2. Areas of Concern	7
3. Recommendations	9
Chapter 1: Overview of the Mid Day Meal Scheme	11
1.1 Inception of scheme	11
1.2 Objectives of MDM	12
1.3 Major components of scheme	12
1.4 Revision of scheme	13
1.5. Partnership between centre and States	16
Chapter 2: The Joint Review Mission	17
2.1. Need and objective of Joint Review Mission	17
2.2. Composition of the Joint Review Mission	18
2.3. Terms of references of the Joint Review Mission	19
2.4 Terms of Reference for Nutritional aspects:	20
Chapter 3: Profile and selection of different units for visit of Joint Review Mission	21
3.1. METHODOLOGY	21
3.2. Sample Size:	21
3.3. Investigations 3.3.1. Nutritional Status Assessment:	22
3.3. Anthropometric Indices:	23
Chapter 4: Trend analysis of implementation of MDM in Chhattisgarh - 2014-15 to 2018-19	26
4.1 Coverage of children	26
4.2 Coverage of working days:	27
4.3 Utilisation of food grains	29
4.4 Utilisation of cooking cost	30
4.5 Utilisation of Transportation Assistance	31
4.6 Engagement and payment of honorarium to cook-cum-helper	32
4.7 Utilisation of MME	33
4.8 Construction of Kitchen-cum-stores	34
4.9 Infrastructures	34
CHAPTER: 5 - Observations from the Field as per the ToR	36
5.1 Review of the fund flow mechanism	36

5.2. Review of the coverage of the scheme.....	37
5.3 Review of the Management structure	38
5.4 Review the delivery mechanism of food grains from State to Schools.....	40
5.5 Review the smooth implementation of the Scheme with particular reference to Interruptions.	41
5.6 Review the Creation of Capital Assets	41
5.7 Construction of Kitchen-cum-stores.....	41
5.8 Procurement/Replacement of Kitchen Devices	42
5.9 Review the convening the meetings of District Level Committee under Chairpersonship of senior most Member of Parliament (LS).....	42
5.10. Review the Management Information System (MIS)	42
5.10.1 Monthly Data Entry Status:.....	44
5.10.2. Review of implementation of Automated Monitoring System	46
5.11 Convergence with Rastriya Bal Swasthya Karyakram for health check-up, supplementation of micronutrients under WIFS & de-worming medicine under National de-worming day and health check-ups and supply of spectacles to children suffering from refractive errors.	47
5.12. Operationalization of Mid-Day Meal Rules, 2015.....	47
5.13 Enrolment of children and Cook-cum-Helpers under Aadhaar	47
5.14 Payment of Honorarium to Cook-cum-Helpers	47
5.15 System of Storage food grains and other ingredients	48
5.16 Role of Teachers in Mid-Day Meal Scheme.....	48
5.17 Testing of meals.....	49
5.18 Awareness of the Scheme	49
5.19 School Nutrition Gardens.....	49
5.20 Cooking Competitions	49
5.21 Mode of Fuel	50
CHAPTER: 6.....	51
6.1 RESULTS	51
6.1.1 Coverage particulars	51
6.2. Food and Nutrient intakes through Mid Day Meal:.....	52
6.2.1 Nutrient intake of School children through Mid Day Meal: Institutional diet surveys	52
6.2.2 Food intake of School children through Mid Day Meal: Individual diet surveys	53
6.2.3 Nutrient intake of School children through Mid Day Meal: Individual diet surveys	54

6.3 Organoleptic characters of MDM meal.....	54
Anthropometry	55
6.4. In Depth interviews (IDIs)	59
6.4.1 In depth interview were conducted to the MDM in-charges/ head master in all the schools visited in both the districts).....	59
6.4.2 In depth interviews was conducted on parents on their views about MDM in both the districts.....	61
6.4.3 In depth interviews were carried out on different functionaries of MDM about their knowledge & practices on MDM in both the districts.....	62
6.5 Cook Cum Helpers (CCH).....	63
6.6 Kitchen Environment & Hygiene	63
Chapter 7	65
7.1. Good Practices observed	65
7.2. Areas of Concern.....	66
7.3. Recommendations	67
Suggested Recipe.....	86
Annexures.....	95



Executive Summary

The Joint Review Mission visited 56 schools (29 in district Rajnandgaon and 27 in district Dhamtari) and a centralized kitchen and 2 schools, where MDM is served from this centralized kitchen in Raipur. during 2nd-9th December, 2019 to review the implementation of Mid Day Meal Scheme in the State of Chhattisgarh. During the visits, the team collected information as per the Term of References, held discussions and conduct in-depth interviews with the select stakeholders i.e. students, teachers, Cook-Cum-Helpers, community members, parents of the students and officials at Block, District and State level.

The JRM team has also covered 1518 children (706 in Rajnandgaon district and 812 in Dhamtari district) for anthropometric measurement and assessment of nutrition status. The analysis of data reveals that overall prevalence of stunting was about 24.5% in boys and 18.7% in girls. The overall prevalence of thinness was 21.6%; it was higher among boys (24.5%) as compared to girls (18.7%); higher in Rajnandgaon district (25.1%) than Dhamtari district (18.5%). About 4% of girls and 1.3% of boys were found to have goiter, with overall prevalence of 3%.

The team has summarized recommendations which are feasible and practical with a higher objective to accrue maximum benefits out of the resources and efforts mobilized for the scheme. The team reiterates that besides nutritional adequacy of Mid Day Meal, nutrition education appropriately utilizing School Nutrition Gardens should serve as an effective tool for the child, teacher and parents.

1. Good Practices observed

- State is releasing funds meant for cooking cost and honorarium to cook-cum-helpers in advance for six months in the month of April to districts.
- E-transfer of funds for cooking cost and honorarium to cook-cum-helpers.
- Women Self Help Groups have been engaged for providing Mid Day Meal in schools in rural areas.
- State is contributing Rs 200 per cook-cum-helper in addition to its mandatory State share of Rs 400 per cook-cum-helper per month.
- Some of the schools were having School Nutrition (Kitchen) Garden and it should be replicated wherever possible to meet micronutrient diversity.

- Drinking water facility was observed in all schools in their school premises.
- Toilets were available in all schools and it was separate for girls in most of the schools. However, in some schools the number of toilets were inadequate.
- Quality of food grain supplied was observed good in all the schools visited. Buffer stock of food grains was also maintained in all the visited schools.
- FSSAI or Ag-mark or branded ingredients used for Mid-day Meal by schools.
- Almost all of the children were washing hands before eating the Mid Day Meal.
- Good coverage (on an average 90%) against enrolment on the basis of the attendance for the last ten days of JRM visit.
- MDM register is maintained by the Head Teacher at the school level.
- Most of the schools had student health and ophthalmic examination done
- Use of iodized salt was observed in all the schools visited
- JRM team tasted meal in schools and found it tasty, good and hygienic.
- Tasting meal register was maintained in most of the schools.
- Hygienic practices such as washing of hands before cooking, cleaning of utensils, using fresh water for cooking, were observed.
- Eating plates have been provided for all the children in visited schools.
- Trimming of nails by CCH regularly and also attire of CCH was good.
- Some of the schools were serving sprouted grains which is a very good practice

2. Areas of Concern

- The average consumption of cereals was 54 gram for primary and 81 gram for upper primary in the schools served by the centralized kitchen against the mandated 100 gram for primary and 150 gram for upper primary. In case of school-based kitchen, the average consumption was 94 gram and 108 gram for primary and upper primary respectively.
- The average consumption of pulses was 12 gram for primary and 17 gram for upper primary in the schools served by the centralized kitchen vis-à-vis mandated 20 gram for primary and 30 gram for upper primary. In the schools catered through school based kitchen the consumption of pulses was almost at par with the norms with 20 gram and 28 gram for primary and upper primary respectively.
- Firewood was used for cooking in all but one of the visited schools.

- The entitlement of children under Mid-day Meal Scheme is not displayed at a prominent place in most of the visited schools and all the SMC members /chairpersons were not aware of food norms and entitlements of children.
- Mid day meal logo and Menu are also not displayed at a prominent place where it is visible to all in more than 50% of the visited schools
- Monitoring at school level is not up to the mark, the visiting officials i.e. CAC, ABEO, BEO in most of the cases were found recording generic remarks about MDM.
- Funds towards cooking cost and honorarium of Cook-Cum-Helpers are transferred directly to the bank accounts of SHGs and CCH. In some schools, school records are showing huge unspent balance on account of cooking cost, whereas the SHG informed that they have received the amount on regular basis.
- Schools are maintaining lot of records such as daily enrolment, daily social group wise attendance which can be avoided to reduce burden on the teachers.
- Only 20% schools have submitted data on Automated Management System.
- There is no uniform register for maintaining information on implementation of MDM.
- Emergency telephone numbers such as fire, police and Medical services were not displayed in prominent places in most of the schools.
- Water (Kanji) was removed from rice after cooking which is not good practice as it removes most of the nutrients.
- Storage bins were not available in majority of the schools for keeping food grains
- Aprons and Head gears were not used by all CCH in the selected district.
- Very few schools had student recreation and play instruments/structures.
- Majority of Cook-cum-Helpers in the visited districts has not received any training this year.
- In some schools, dal was not washed with water before cooking, which is not a good practice, whereas other vegetables were washed with water after cutting.
- Health check up of the Cook-Cum-Helpers was not carried out.
- Absence of Contingency Plan for untoward incident.
- Non-recording of the observations of teachers and parents in taste register.

- Fire extinguisher were not found in most of the schools and wherever available, it was not ready to use.

3. Recommendations

- State should adopt stringent mechanism to ensure that children receive the prescribed quantities of foodgrains, pulses, vegetables and other ingredients.
- Removal of water (Kanji) from rice should be discouraged as it removes most of the nutrients from cooked rice.
- The entitlement of children under Mid-day Meal Scheme, MDM logo and menu should be painted at a prominent place in the schools.
- Storage bins for safe storage of food grains may be provided to all schools.
- LPG connection should be provided to the schools as all the schools are using fire wood for cooking.
- Emergency numbers such as police, fire and medical should be painted on school walls on prominent places
- Health check up for Cook-cum-helper should be done at least once in 6 months.
- Simple format for maintaining information on implementation of MDM may be devised and the same may be circulated across the State, for ease of data maintenance.
- State has engaged 2 computer operators at every block level. The services of these operators should be utilized for monitoring of MDM at school level also.
- Awareness generation of Mid Day Meal Scheme may be carried out by publicity through print and electronic media and with judicious use of social media.
- Pulses, oil, spices and other condiments may be supplied to schools from 'Ajivika Angna, Sarvodaya Angna etc.' facilities developed by State Government for empowerment of women self-help groups.
- School Nutrition (Kitchen) garden developed by some schools should be replicated in other school wherever it can be possible.
- Cook-cum-Helpers may also be medically examined for ensuring that they are free from any contagious disease.
- State may conduct a quick assessment with the help of some external agency on the physical and financial requirement for use of LPG in the schools.
- Eggs /fruits or milk may be given weekly to the children.

- The observations on the quality and taste of Mid Day Meal may be recorded in the taste register by the teacher, CCH, Parents and the community.
- Contingency Plan for handling any untoward incident may be prepared and circulated to all schools.
- Proper water supply in the toilets should be ensured to keep them neat and clean and free from the foul smell. The design of toilets may be done through a reputed institution like NIT, Raipur with emphasis on adequate ventilation and sunshine.
- Community may be motivated for participation in the supervision of preparation of mid day meal and monitoring of the scheme.
- Millets may be included in MDM menu once in a week.
- Worn out kitchen devices needs replacement.
- Training and sensitization of cook-cum-helpers and officials at different level.
- Honorarium to cook cum helper needs to be increased as it is difficult to find CCH with the present honorarium.
- Sensitization of teachers, and BEO on MDM Rules, 2015 is needed.
- Salary of computer operators working under MDM need to be increased in order to attract & retain talented persons.
- Regular monitoring of MDM by BEO, DEO to ensure quality and quantity of food served needs to be strengthened.



Chapter 1: Overview of the Mid Day Meal Scheme

1.1 Inception of scheme

National Program of Nutritional Support to Primary Education (NP-NSPE) was launched on 15th August 1995 as a Centrally Sponsored Scheme initially in 2478 blocks and later on in 1997-98 covering entire country for school going children. The scheme was extended in 2008-09, to cover children of upper primary classes and the Scheme was renamed as 'National Programme of Mid-Day Meal in Schools' popularly known as Mid-Day Meal Scheme (MDMS). MDMS is a major flagship program of Government of India among all the nutrition intervention programs for prevention and control of under-nutrition. The main objectives of MDM are to improve school enrolment, retention rate, regular attendance and reducing drop-out rate, to improve the nutritional status of children in classes I – VIII in Government, Local Body and Government aided schools, and EGS and AIE centres. Special Training Centres (STCs) and Madrasas & Maqtabas supported under Samagra Shiksha and encouraging poor children, belonging to disadvantaged sections, to attend school more regularly and help them concentrate on classroom activities by providing nutritional support to children of primary stage in drought-affected areas during summer vacation. Mid Day Meal Scheme aims for

- i. **Preventing classroom hunger:** Many children belonging to disadvantaged sections of society reach school with an empty stomach. Even children, who have a meal before they leave for school, get hungry by the afternoon and are not able to concentrate. Mid-day meal can help the children from families which cannot afford a lunch box or are staying far away from schools, to overcome “classroom hunger”.
- ii. **Promoting school participation:** Mid-day meal has big effect on school participation, not just in terms of getting more children enrolled in the registers but also in terms of regular pupil attendance on a daily basis.
- iii. **Facilitating healthy growth of children:** Mid-day meal can also act as a regular source of “supplementary nutrition” for children to facilitate their healthy growth.
- iv. **Intrinsic educational value:** A well-organized mid-day meal can be used as an opportunity to impart various good habits to children (such as washing one’s

hands before and after eating) and to educate them about the importance of clean water, good hygiene and other related matters.

- v. **Fostering social equality:** Mid-day meal can help spread egalitarian values, as children from various social backgrounds learn to sit together and share a common meal. In particular, mid-day meal can help to break the barriers of caste and class among school children. Engaging cooks from SC/ST communities is another way of teaching children to overcome caste prejudices.
- vi. **Enhancing gender equity:** The gender gap in school participation tends to narrow, as Mid-Day Meal Scheme helps erode the barriers that prevent girls from going to school. The scheme also provides a useful source of employment for women and helps liberate working women from the burden of cooking at home during the day. In these and other ways, women and girl children have a special stake in Mid-Day Meal Scheme.

1.2 Objectives of MDM

The objectives of the Mid-Day Meal Scheme are to address two of the pressing problems for majority of children in India, viz. hunger and education by:

- i. Improving the nutritional status of children studying in classes I – VIII in Government and Government-aided schools, Special Training Centres (STCs) and Madrasas & Maqtabas supported under Samagra Shiksha.
- ii. Encouraging poor children, belonging to disadvantaged sections, to attend school more regularly and help them concentrate on classroom activities.
- iii. Providing nutritional support to children of elementary stage in drought-affected areas during summer vacation.

1.3 Major components of scheme

- 1) **Food Grains:** Supply of food grains @ 100 grams per child per school day for primary and 150 grams for upper primary through Food corporation of India @ Rs 2 per kg for wheat and Rs 3 per kg for rice.
- 2) **Cooking Cost:** It includes cost of ingredients, e.g. pulses, vegetables, cooking oil and other condiments. It also includes cost of fuel. At present the cooking cost is Rs 4.48 for primary and Rs 6.71 for Upper primary.

- 3) **Honorarium to Cook-cum-helpers (CCH):** There is provision of honorarium of Rs. 1000 to each CCH per month for 10 months in a year.
- 4) **Transportation Assistance:** Transportation Assistance is provided to States and UTs for transportation of food grains from FCI godown to the school level. At present the Transportation Assistance is at par with PDS rates or maximum of Rs. 1500 per MT, whichever is less for transportation of food grains from FCI godown to school except 8 NER and 3 Himalayan States, where it is at par with PDS rates.
- 5) **Management, Monitoring and Evaluation (MME): MME funds are provided @ 3% of cost of food grains, cooking cost, honorarium to CCH and transportation assistance.**
- 6) **Kitchen- cum-store:** There is provision of kitchen-cum-stores for cooking of MDM in hygienic manner. Construction of Kitchen-cum-stores has been linked with the enrolment in schools (20 sq. meter for schools having enrolment of up to 100 students, and addition of 4 sq. meter for every addition of up to 100 students)and State Schedule of Rates.
- 7) **Kitchen devices:** linked to enrolment ranging from Rs 10,000/- to Rs 25,000/- per school.
- 8) **Repair of kitchen-cum-stores: Rs 10,000/- per unit, for the kitchen-cum-stores, which were constructed 10 years ago.**
- 9) **School Nutrition Garden: Rs 5000/- per school.**

1.4 Revision of scheme

The Mid Day Meal has been revised in 2018-19 and the following changes / addition / modifications have been made in the scheme -

- a) **Continuation of existing components for which no revision has been proposed:**
 - i) Cost of food grains as per National Food Security Act (NFSA) rates.
 - ii) Honorarium to Cook-cum-helpers
 - iii) Construction of kitchen-cum-stores
 - iv) Provision of MDM during summer vacations in drought affected areas.

b) Continuation and Revision of the norms of the following existing approved components:

- i) To increase the cooking cost annually in April linked to inflation index (CPI)
- ii) To revise the transportation rate for non-special category of States at par with PDS rate subject to maximum amount of Rs.150 per quintal.
- iii) To revise MME rate from 2% to 3% of the total admissible recurring Central Assistance.
- iv) Procurement/replacement of kitchen devices @ Rs.10000- Rs.25000 linked to enrolment

c) New Components for 2018-19 and 2019-20

- i) Assistance of Rs.10000/- for the repair of kitchen-cum-stores constructed ten years ago on sharing basis between Centre and States.
- ii) Fortification of food items in a systematic manner for better benefits under Mid-Day Meal Scheme to address the problems of anaemia and other micro nutrient deficiencies. FCI will be consulted to explore various options for fortification of food grains starting with rice. Also, kitchen gardens in each school will be encouraged.

d) Minor Modifications and Flexibility

- i) The power for implementing scheme with minor modifications from the existing guidelines will be delegated to District Level Committee chaired by the District Magistrate. The States and UTs will also be given flexibility to utilize, with the prior approval of MHRD, 5% of their Annual Work Plan & Budget for new interventions, provided they are not included under any other Central or State Schemes and there is no overlapping of activities.

e) Use of Pulses from buffer stock

- i) **Use of Pulses from buffer stock** –The States and UTs may procure pulses as per their local taste for the Mid-Day Meal from the Central buffer stock created by the Government of India.

f) Innovations

- i) **Monitoring of attendance** –The Ministry of HRD has worked with States and UTs to implement a technology based (SMS, IVRS & Mobile App) Automated Monitoring System by which information on attendance at the Mid Day Meal is collected every day from schools. At present, the level of daily uploading of data has reached 50% of all schools. All States and UTs have been directed to ensure that daily data from 100% schools is uploaded.
- ii) **Menu under MDM** – The Mid-Day Meal guidelines envisage that the nodal implementing agency at district, taluk and school level is empowered to develop indicative menus using locally available and culturally acceptable food items. The guidelines further encourage local support for drawing out varied, but wholesome and nutritious menus. All States and UTs will be further encouraged to adopt ways to develop a menu that reflects local taste and local produce that is different on different days. For example, cooking competitions at various levels (Blocks, Districts and States) are being planned to promote innovative menus. Under this, nutritionists could examine the recipes to ensure compliance with nutrition standards as laid down in Mid-Day Meal guidelines, and the judges could include children because they are the ones for whom the meal is being cooked.

Additionally, all States and UTs will be advised to ensure intensive and regular training of Cook-cum-Helpers as well as members of School Management Committees, and to put in place mechanisms to take feedback from students on quality of meals and menu.

iii) **Involving community and agencies**

Tithi Bhojan – The Ministry of HRD has issued detailed guidelines regarding Tithi Bhojan under which States and UTs have been requested to encourage people from the community to celebrate important days such as child birth, marriage, birthdays etc. by contributing to the Mid Day Meal Scheme.

1.5. Partnership between centre and States

Under the Mid-Day Meal Scheme, the Central Government bears entire cost of food grains, transportation cost, Monitoring, Management and Evaluation (MME) and procurement of kitchen devices.

The cooking cost, cost of the kitchen-cum-stores and honorarium to cook-cum-helpers is shared between the Centre and the NER States & Himalayan States on 90:10 basis, 100% for UTs without legislature and with other States and UTs with Legislature on 60:40 basis.



Chapter 2: The Joint Review Mission

2.1. Need and objective of Joint Review Mission

Under-nutrition is one of the most important constraints in achieving the Sustainable Development Goals. It is widely prevalent among school children and India ranks 2nd in highest number on child malnutrition in the world. Consequences of under-nutrition and hidden hunger are very serious on health and nutrition status leading to negative economic growth of the country.

Therefore, nutritional deficiencies and their incidence among children of school-going age group cannot be neglected. Malnutrition not only increase morbidity and mortality, but also prevents a child from developing into a fully functional adult. It also adversely affects education in the following ways:

- i) A malnourished child is less likely to attend school regularly.
- ii) Even if such a child does attend school, he/she finds it difficult to concentrate and participate in teaching-learning activities well enough. He/she therefore, tends to drop out, inter alias, because of the inability to cope up with morbidities.
- iii) Even if the child does not actually drop out, his attainment levels tend to be low.

Education plays a vital role in the development of human capital. The Governments are spending considerable portion of their limited resources to provide educational facilities all over the country. In spite of these efforts, the goal of cent percent universalization of elementary education appears to be far and elusive due to inherent socio-economic factors present in the society. Most of the children from low socio-economic society suffer from under-nutrition, more often low attendance, high dropout rates from schools at an early age, which directly affects their overall development. Several National Nutrition programs have been launched by the Government of India to combat these problems. One of the most ambitious and flagship programmes is the Mid Day Meal (MDM) Programme for nutrition supplementation of school going children. By investing in the health and nutrition of school-age children, a country can increase the human capital of its younger

generations and achieve sustainable economic growth and human development. The government of India and respective state governments has launched several nutrition sensitive programs since 1970s for the prevention and control of under-nutrition among these groups.

Primary school age is a dynamic period of physical growth and mental development of the child. The Mid-Day Meal Program is the world's biggest school lunch programme and is being implemented all over India for primary and upper primary school children, emerging to address the multiple challenges of poverty, hunger, and access to education.

Mid-Day Meal in schools has had a long history in India. In 1925, Mid-Day Meal Programme was introduced for disadvantaged children in Madras Municipal Corporation. By the mid-1980s three States viz. Gujarat, Kerala and Tamil Nadu and the UT of Pondicherry had universalized a cooked Mid-Day Meal Programme with their own resources for children studying in the primary schools and by 1990-91 the number of States implementing the mid-day meal scheme with their own resources on a universal or a large scale had increased to twelve states.

2.2. Composition of the Joint Review Mission

A programme of scale and magnitude of Mid Day Meal requires close monitoring and evaluation at all levels. In 2010, the Ministry of Human Resource Development, Govt. of India, decided to review implementation of the programme in all its aspects through the Review Missions, which are also to provide suggestions for improvement. The composition of the JRM is as under:

- i Dr. I.I. Meshram, Scientist (Public Health) National Institute of Nutrition, India Council of Medical Research, Hyderabad, Telangana – Team Leader
- ii Shri G. Vijaya Bhaskar, Director (MDM), MHRD, Govt. of India – Member
- iii Shri S. Prakash, Director, Public Instruction, Chhattisgarh – Member
- iv Dr. Raghvendra P, Scientist (Public Health), National Institute of Nutrition, India Council of Medical Research, Hyderabad, Telangana–Member
- v Shri Bhupendra Kumar, Chief Consultant, (Plan Monitoring) TSG-MDM, New Delhi – Member.
- vi Shri Dinesh Pradhan, Senior Consultant (MIS) TSG-MDM, New Delhi – Member.

The 12th Joint Review Mission was also assisted by Ms. G Neerja, Shri P.V. Sunu, Shri K. Sree Ramakrishna and Shri SPV Prasad, Research Assistants from National Institute of Nutrition, Hyderabad, during its visit to Rajnandgaonand Dhamtari district for monitoring the implementation of Mid Day Meal Scheme as per the defined terms of reference.

2.3. Terms of references of the Joint Review Mission

- i Review the fund flow from State to Schools/implementing agencies.
- ii Review the coverage of the Scheme
- iii Review the availability of Management Structure at State, District, Block level
- iv Review the delivery mechanism of food grains from State to Schools
- v Review the smooth implementation of the Scheme with particular reference to Interruptions.
- vi Review the Creation of Capital Assets
- vii Construction of Kitchen-cum-stores
- viii Procurement/Replacement of Kitchen Devices
- ix Review the involvement of NGO's/Trust/Centralized kitchens in the Scheme
- x Review the payment of Cost of Food grains to Food Corporation of India
- xi Review the convening the meetings of District Level Committee under Chairpersonship of senior most Member of Parliament (Lok Sabha).
- xii Review the Management Information System (MIS)
- xiii Review the implementation of Automated Monitoring System
- xiv Convergence with Rastriya Bal Swasthya Karyakram for health check-up, supplementation of micronutrients under WIFS & de-worming against intestinal parasite under National de-worming day and health check-ups and supply of spectacles to children suffering from refractive errors.
- xv Review the following
 - a. Operationalization of Mid-Day Meal Rules, 2015
 - b. Dissemination of Food Safety Guidelines up to District, Block and School
 - c. Enrolment of children and Cook-cum-Helpers under Aadhaar
 - d. Payment of Honorarium to Cook-cum-Helpers
 - e. System of Storage food grains and other ingredients
 - f. Role of Teachers in Mid-Day Meal Scheme.

- g. Tasting of MDM by Teacher, Parents and Community.
- h. Testing of meals
- i. Involvement of Community
- j. Bank Account of Cook-cum-helpers
- k. Awareness of the Scheme
- l. Contingency Plan

2.4 Terms of Reference for Nutritional aspects:

- a) To assess the anthropometric measurements of a sample of children availing MDM
- b) Height ii. Weight iii. Mid arm Circumference
- c) To Calculate the Body Mass Index (BMI) on the basis of measurement of height and weight.
- d) To identify the children who are undernourished and over nourished.
- e) To review the quality and quantity of the served MDM.
- f) To review the satisfaction of the children parents and community on the served meal under MDM in respect of quality and quantity. \
- g) To suggest some nutritionally balanced region-specific recipes.



Chapter 3: Profile and selection of different units for visit of Joint Review Mission

3.1. METHODOLOGY

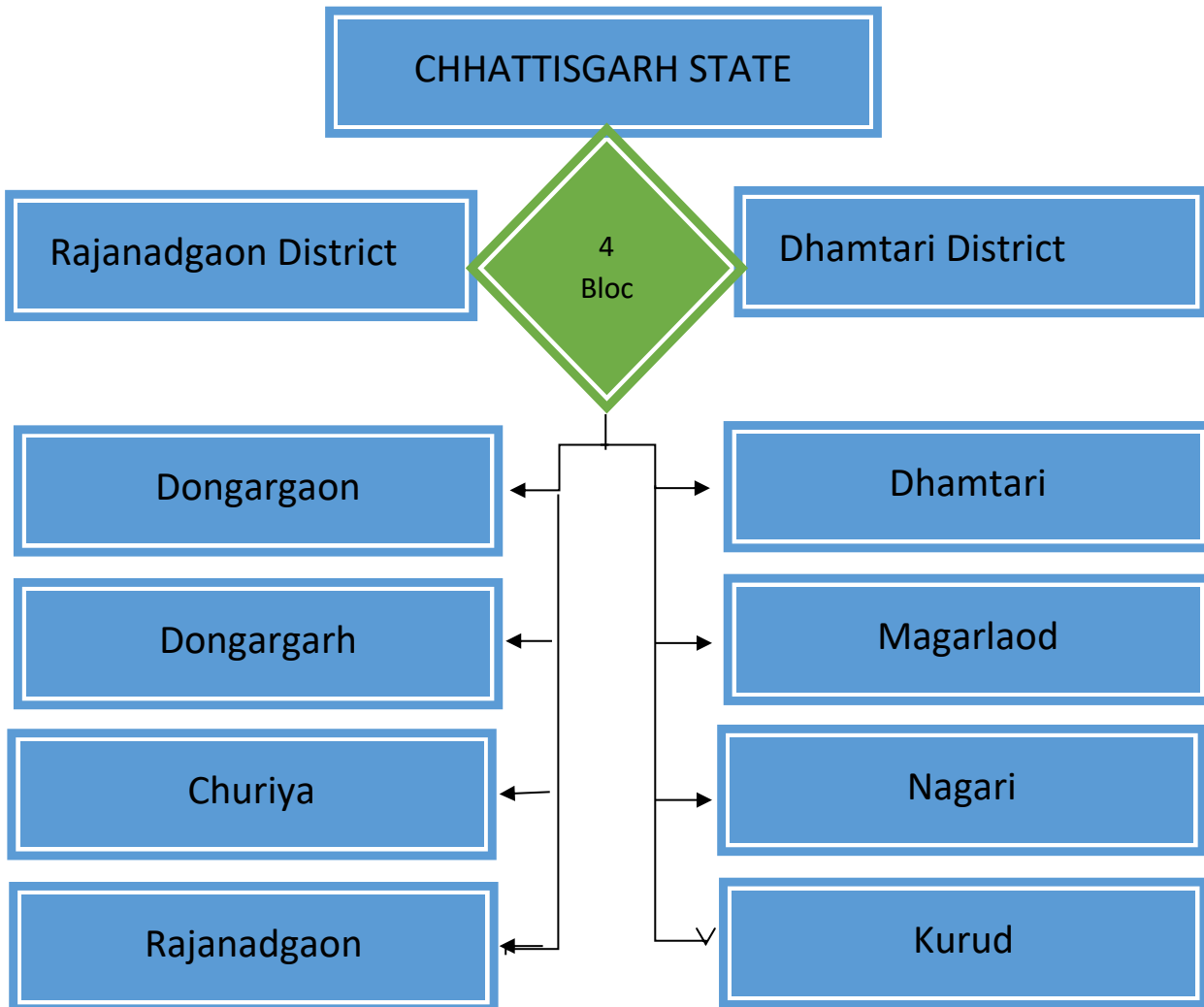
The study was conducted in the primary and upper primary government run schools, where the mid day meal is in operation. Two districts were selected for the 12th JRM review, Dhamtari district was selected by the Ministry of MHRD and Rajnandgaon, second district by the Department of Education, Government of Chhattisgarh. In each district, four blocks were randomly selected. The selected blocks in Rajnandgaon district, were namely Dongargaon, Dongargarh, Churiya, and Khairagarh, while in the Dhamtari district, the selected blocks were Nagari, Magarload, Dhamtari and Kurud.

3.2. Sample Size:

In order to get required sample for statistical analysis, 1518 children were covered from 45 schools (Rajnandgaon 23, Dhamtari 22) from four blocks each of Rajnandgaon (n=706), and Dhamtari (n=812) selected for the purpose. Various aspects of the implementation of the MDM program was studied in detail from the children enrolled in the classes' I-VIII as well as their parents, teachers, members of SMC and other functionaries.



STUDY DESIGN



From each block, 5-8 schools and 4 boys and 4 girls from each class were covered for anthropometric measurements, clinical examination and history of morbidity during previous 15 days.

Institutional diet survey was carried out in 2 primary and 2 upper primary schools in both the districts.

3.3. Investigations 3.3.1. Nutritional Status Assessment:

Anthropometry: Anthropometric measurements such as height, weight and mid upper arm circumference (MUAC) were carried out by the NIN team using standard procedure and equipments. Clinical examination for any nutritional deficiency signs such as Bitot's spot, fluorosis, caries, goiter etc. was carried out.

Height for age and BMI for age were used as nutrition indices for assessing nutritional status of children by using WHO growth standards 2007.

Weight: SECA weighing scale was used for measuring weight (Kg) of children at an accuracy of 100g. The balances were calibrated and standardized daily before weighing the children. Children were asked to remove their shoes and stand straight on the weighing balance.

Height: Height of the children was measured using anthropometer rod. Children were asked to remove their shoes and headgear and were asked to stand straight with heels touching together and looking straight ahead, head held comfortable erect, and arms hanging loosely by the sides.

BMI: Body Mass Index (BMI) was calculated using the following formula:

$$\text{BMI} = \text{Weight (Kg)} / \text{Height (m}^2\text{)}$$

MUAC: Mid Upper Arm Circumference (MUAC) was measured on left arm using a fibre reinforced non-elastic tape. The child was asked to keep the arm relaxed. Midpoint between acromian process of the scapula and the olecranon process of the ulna was marked with the help of a marker. The MUAC tape was then wrapped around the arm at that point gently but firmly to avoid compression of tissue in straight hand. The circumference was taken to nearest mm.



Age: It is important to know the child's age in complete months for calculating the anthropometric indices in order to assess their nutritional status using anthropometry. This information was collected from the school admission registers.

3.3. Anthropometric Indices:

Height-for-age: Height-for-age reflects long term nutritional status. Low height for age is known as stunting. Thus, stunting indicates chronic undernutrition.



BMI for age: Low BMI for age is known as thinness. Thinness serves as an indicator of short-term under nutrition.

Table 6: Anthropometric Indicators for Nutritional Status Assessment

Anthropometric Indices	Nutritional grades
Height for Age	<-3SD- Severe Stunting
	-3SD to -2SD- moderate Stunting
BMI for Age	<-3 SD- Severe Thinness
	-3SD to -2SD- Moderate Thinness
	-2SD to +1SD- Normal
	+1SD to +2SD- Overweight
	>+2SD Obese
	>+3SD Morbidly Obese

Diet survey and children’s perceptions regarding the MDM:

Institutional diet survey was conducted in 4 schools to measure the quantity and quality of food intakes by the school children. The data pertaining to the number of meals consumed and the dietary pattern was collected for 497 children.

The following information was collected about MDM:

- The children’s perceptions regarding the MDM program and their preferences of various foods served in the MDM was collected through a detailed questionnaire.
- A Semi structured proforma was used for obtaining information regarding the menu, quality as well as quantity of Mid Day Meal served in the schools.
- The parents (who came on request) as well as the teachers’ perceptions of the MDM scheme was assessed using a structured and pretested questionnaire
- The cook-cum-helpers (CCH) were also interviewed about the quality and quantity of ingredients used for the preparation as well as serving of food on a daily basis.

- The teachers and the principals' views on the implementation of the MDM was collected.



- Data pertaining to the number of children enrolled and the attendance of the students in the school along with the number of beneficiaries of MDM was collected.

- Information was also collected about the taste of the meals by the teachers, maintenance of the tasting and other registers, kitchen facilities, storage of the grains and quantity of food cooked on the day of the visit.

- Information was collected from the head teachers as per the records maintained for cook-cum-helpers and maintained at schools. Spot observations were also made regarding the aspects related to safety, hygiene, cleanliness etc.

- **Data Analysis:** Data analysis was done using Microsoft Excel and SPSS Version 22. WHO Anthro Plus software used for analysis of anthropometric data. Mean \pm SD for continuous variables and proportion for other variables were carried out.

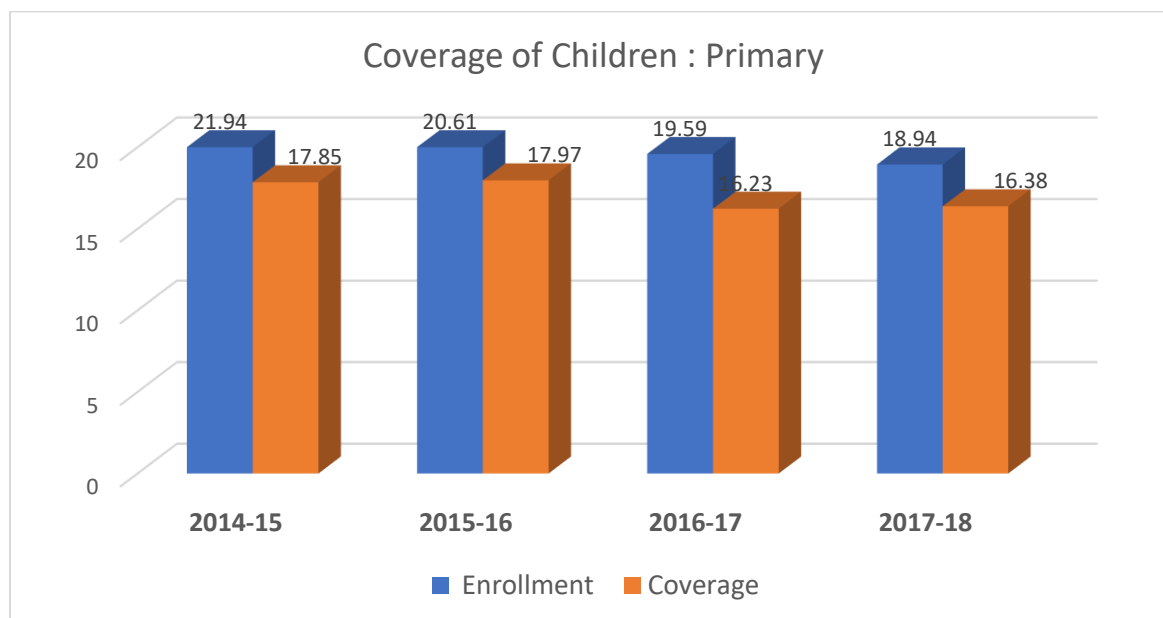


Chapter 4: Trend analysis of implementation of MDM in Chhattisgarh - 2014-15 to 2018-19

4.1 Coverage of children

The data on coverage of children reveals that on an average 86% of the enrolled children in the State have availed MDM on an average basis during 2018-19. Although there is a sharp decline of more than 3 lakh children in the enrolment in 2018-19 from 2014-15, the proportionate coverage has increased from 81% to 86%.

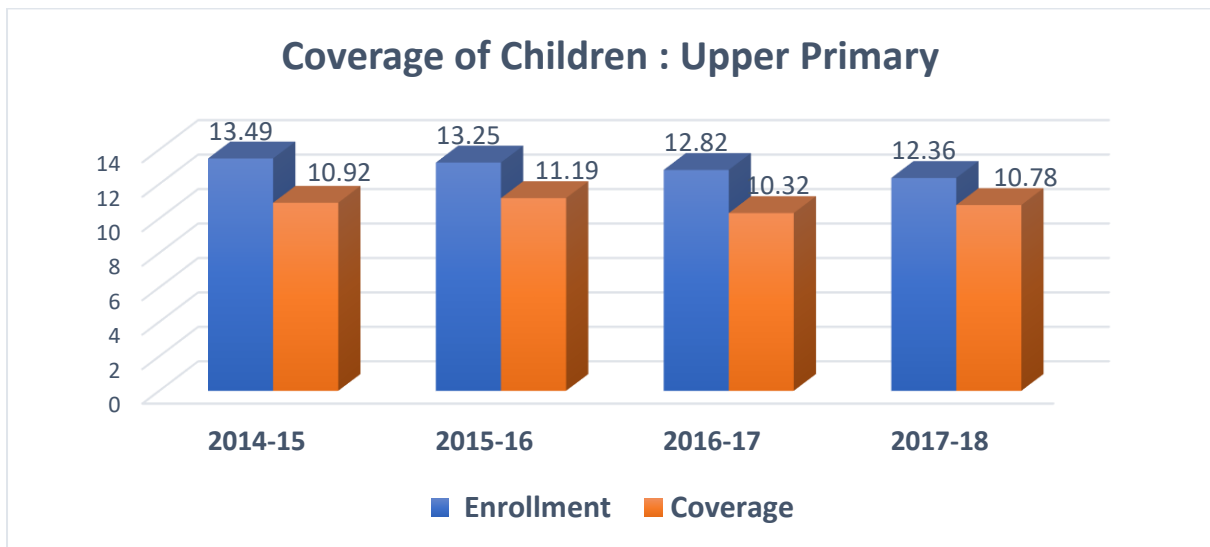
Coverage of Children: Primary			
Year	Enrolment	Coverage	% Coverage
2014-15	2194362	1785175	81%
2015-16	2060909	1796860	87%
2016-17	1958549	1623023	83%
2017-18	1894494	1637823	86%
2018-19	1870682	1592345	86%



Unlike primary the fall in enrolment in upper primary is not countered by the proportionate increase in coverage of MDM.

Coverage of children: Upper Primary

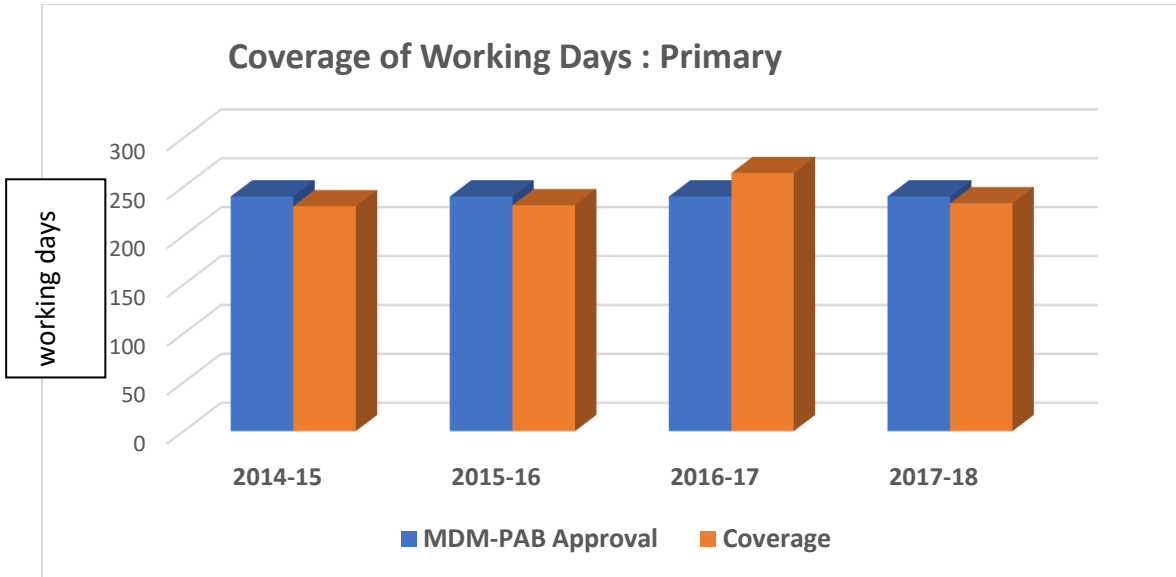
Year	Enrolment	Coverage	% Coverage
2014-15	1348825	1091863	81%
2015-16	1324940	1118676	84%
2016-17	1282289	1031611	80%
2017-18	1235786	1078444	87%
2018-19	1170441	965167	82%



4.2 Coverage of working days:

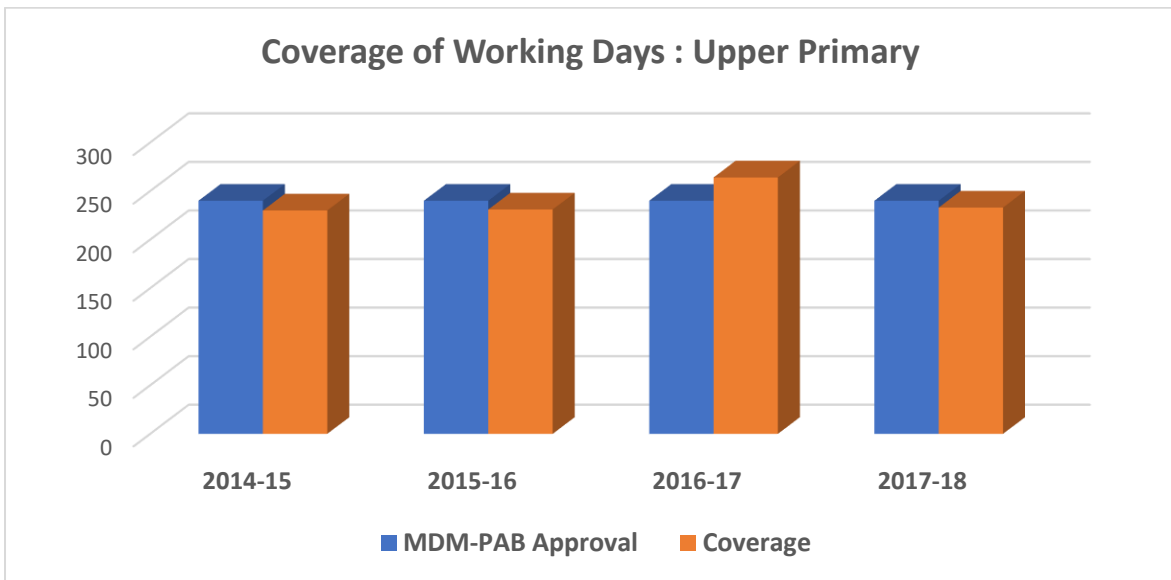
Coverage of Working Day: Primary

Year	MDM-PAB Approval	Coverage	%age
2014-15	240	230	96%
2015-16	240	231	96%
2016-17	240	264	110%
2017-18	240	233	97%
2018-19	240	226	94%



Coverage of Working Day: Upper Primary

Year	MDM-PAB Approval	Coverage	Coverage
2014-15	240	230	96%
2015-16	240	231	96%
2016-17	240	264	110%
2017-18	240	233	97%
2018-19	240	233	97%

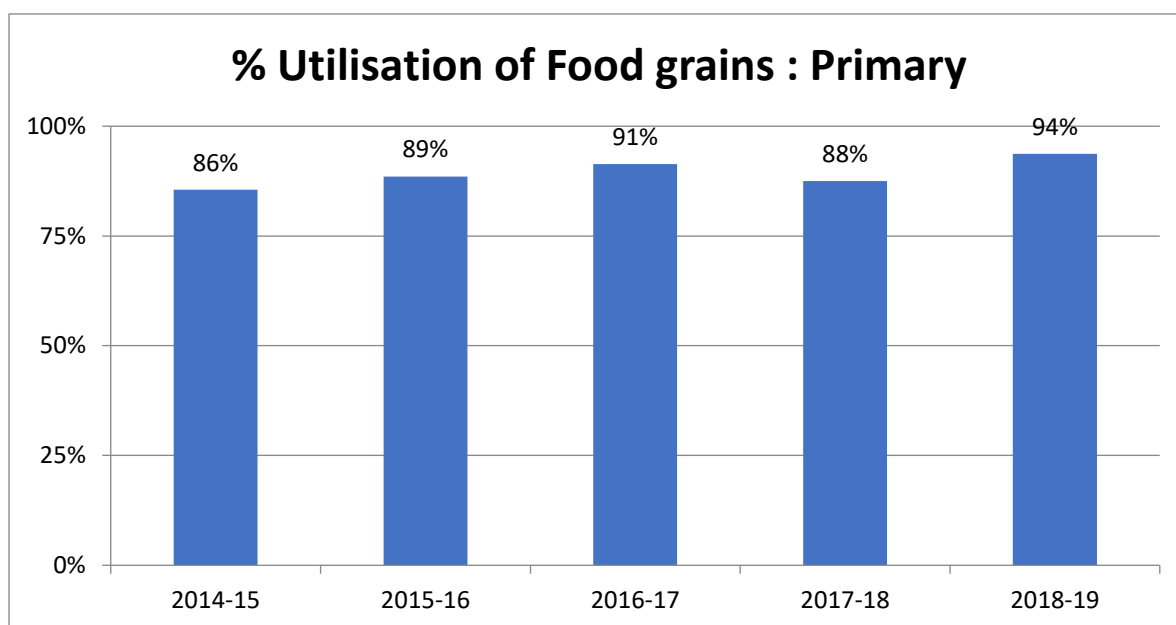


Over the year the coverage of the working days against the PAB approval is above 90%. The State had covered 24 working days more than the PAB approval during 2016-17.

4.3 Utilisation of food grains

(in MTs)

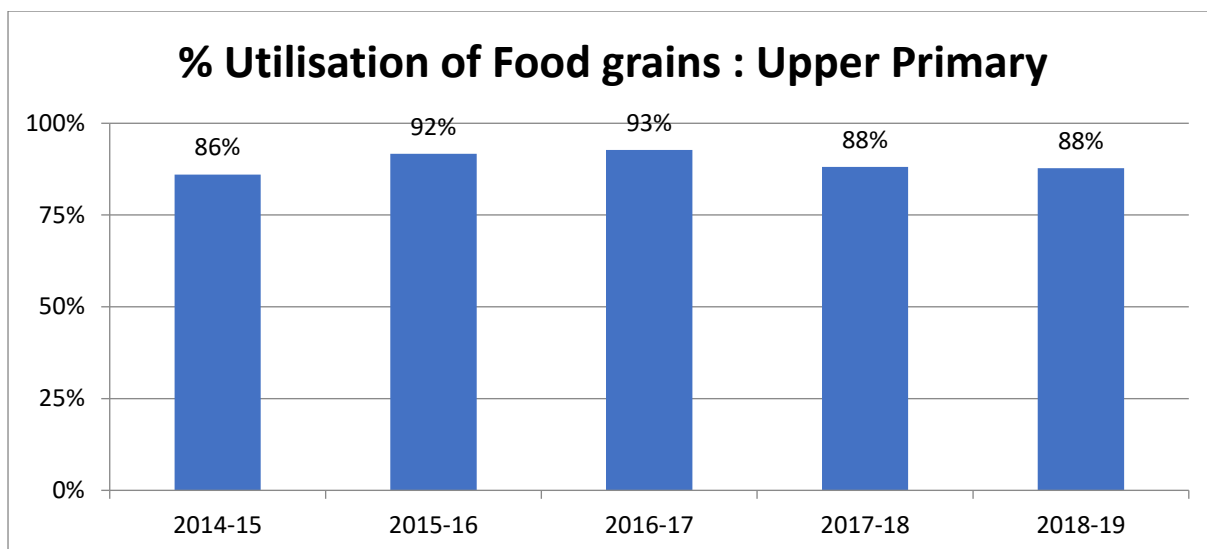
Year	Allocation	Utilisation	% Utilisation of Food grains: Primary
2014-15	48000.00	41055.75	86%
2015-16	44661.72	39534.29	89%
2016-17	42960.00	39262.69	91%
2017-18	42000.00	36753.78	88%
2018-19	40027.75	37516.38	94%



Utilisation of Food Grain: Upper Primary

(in MTs)

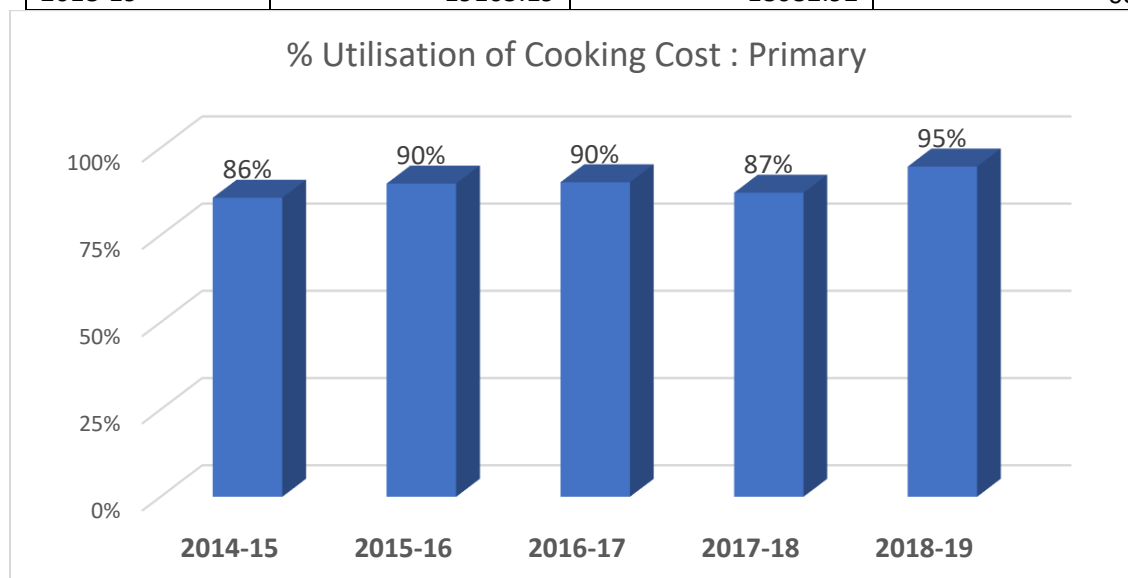
Year	Allocation	Utilisation	% Utilisation
2014-15	43785.00	37669.27	86%
2015-16	40310.21	36959.25	92%
2016-17	39960.00	37070.63	93%
2017-18	39996.00	35232.40	88%
2018-19	38823.99	34085.38	88%



The utilisation the food grains is quite less in primary level as well as upper primary. On an average over the years only 89% of the allocated food grains have been utilised in primary and upper primary.

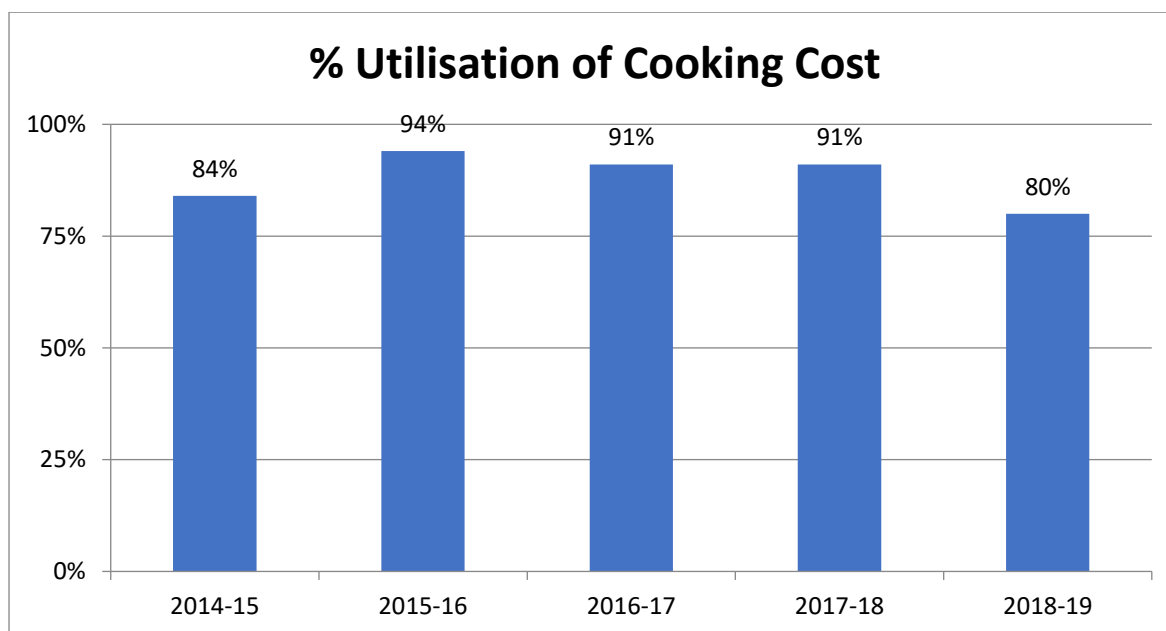
4.4 Utilisation of cooking cost

Utilisation of Cooking Cost: Primary			
Year	Allocation for whole year	Utilisation	% Utilisation of Cooking Cost
2014-15	19965.60	17110.87	86%
2015-16	19593.86	17592.49	90%
2016-17	20296.45	18298.43	90%
2017-18	20076.00	17499.31	87%
2018-19	19105.19	18082.92	95%



Utilisation of Cooking Cost: Upper Primary

Year	Allocation for whole year	Utilisation	% Utilisation of Cooking Cost
2014-15	16138.43	13524.96	84%
2015-16	15234.36	14288.58	94%
2016-17	16975.23	15518.21	91%
2017-18	16478.35	15004.45	91%
2018-19	18566.81	14793.09	80%



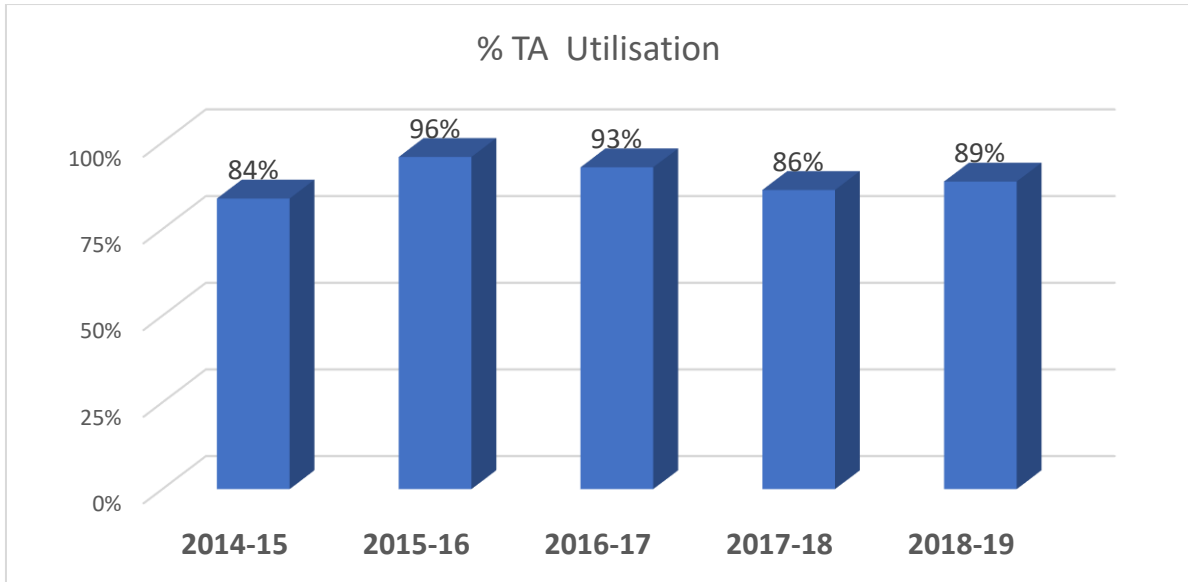
The utilisation of cooking cost in sync with the utilisation of food grains. The State is using more than 90% of the allocated funds under cooking cost.

4.5 Utilisation of Transportation Assistance

Details of TA Utilisation: Chhattisgarh

(Rs in Lakh)

Year	Allocation	TA rates (Rs. Per MT)	% TA Utilisation
2014-15	688.39	576.97	84%
2015-16	598.73	573.69	96%
2016-17	621.90	577.32	93%
2017-18	614.97	530.62	86%
2018-19	638.20	566.19	89%

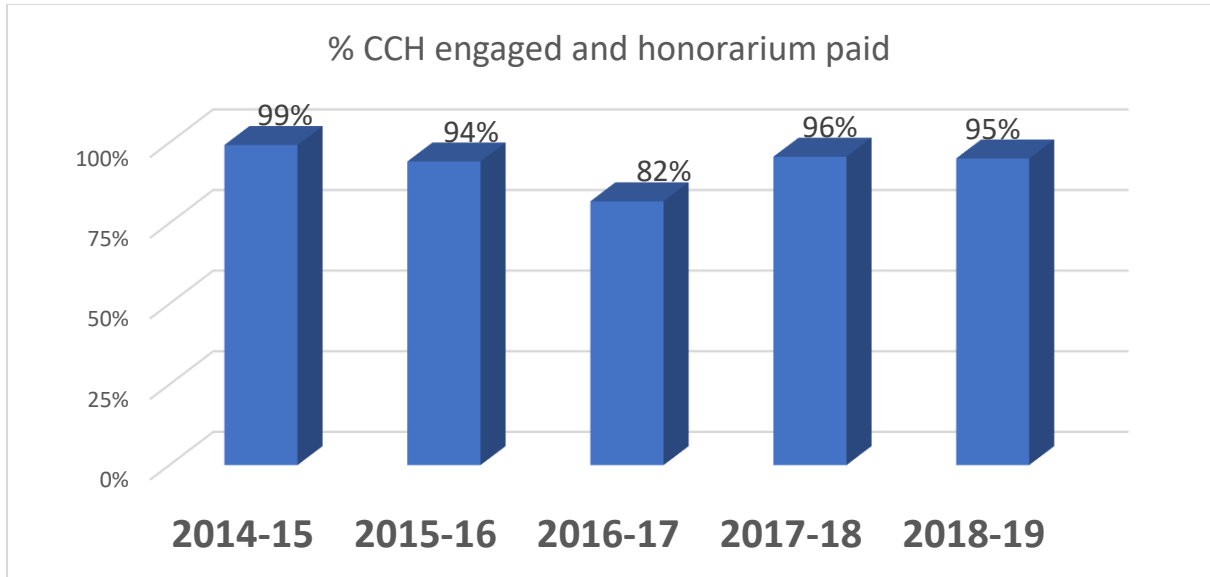


The above graphs depict that during 2014-15 the utilization of transportation is quite less i.e. 84%. But over the year there is improvement in making the payment to the transportation agencies for carriage of the Food grains.

4.6 Engagement and payment of honorarium to cook-cum-helper

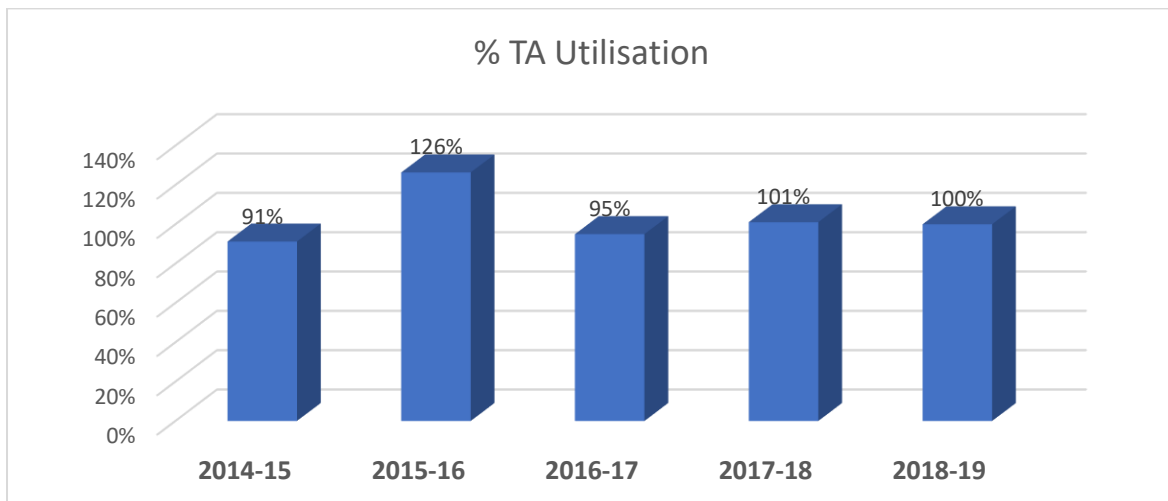
95% cook-cum-helpers have been engaged for cooking and serving hot meal at school level against the PAB approval of 93420.

Year	No. of Cooks-cum-Helpers - PAB Approval	No. of Cooks-cum-Helpers Engaged	% Engaged	Honorarium Allocation (Central Share)	Honorarium paid	% honorarium paid
2014-15	99235	95524	96%	7442.63	7384.94	99%
2015-16	99235	93420	94%	5954.10	5605.20	94%
2016-17	93420	89791	96%	5605.20	4585.00	82%
2017-18	93420	89347	96%	5605.20	5359.46	96%
2018-19	93420	89101	95%	5605.20	5328.78	95%



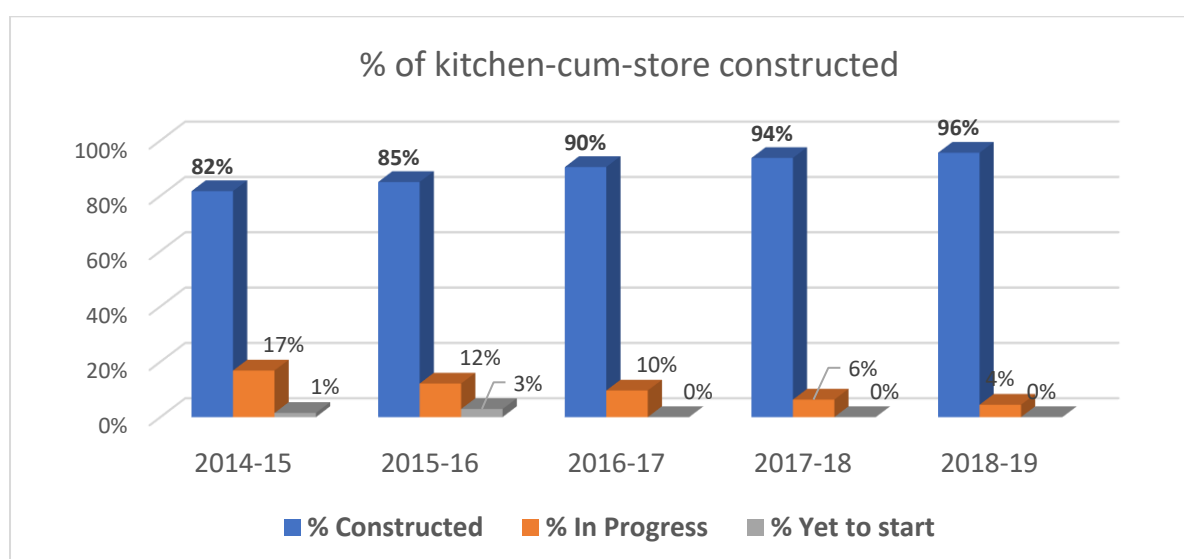
4.7 Utilisation of MME

S. No.	Allocation	MME Utilisation	% TA Utilisation
2014-15	679.75	620.00	91%
2015-16	549.50	694.30	126%
2016-17	516.94	491.05	95%
2017-18	521.79	527.35	101%
2018-19	602.17	602.17	100%



4.8 Construction of Kitchen-cum-stores

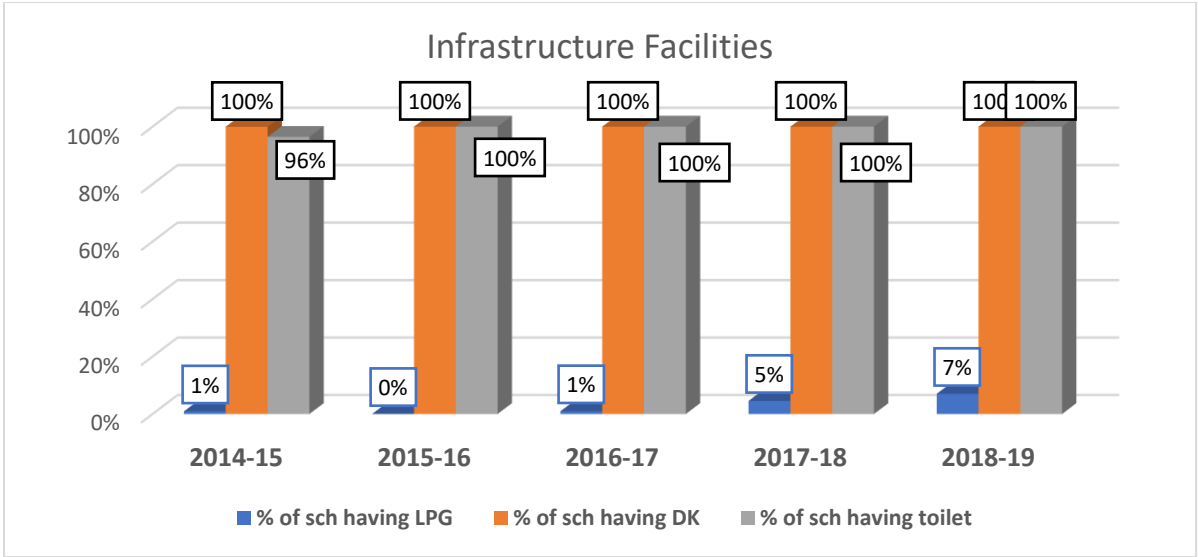
Sl. No.	No. of Kitchen-cum-stores sanctioned during 2006-07 to 2013-14	Physical Progress of Kitchen cum stores					
		Constructed		In Progress		Not yet started	
		No.	%	No.	%	No.	%
2014-15	47266	38608	82%	7953	17%	705	1%
2015-16	47266	40163	85%	5726	12%	1377	3%
2016-17	47266	42730	90%	4536	10%	0	0%
2017-18	47266	44277	94%	2989	6%	0	0%
2018-19	47266	45166	96%	2100	4%	0	0%



State has performed very well on construction of kitchen-cum-stores, as 96% of the sanctioned works have been completed and work is in progress for remaining 4% kitchen-cum-stores.

4.9 Infrastructures

Year	Total institution	Infrastructure					
		Gas based cooking		Drinking water		Toilet	
2014-15	47729	431	1%	47710	100%	46026	96%
2015-16	44974	0	0%	44974	100%	44974	100%
2016-17	44974	431	1%	44984	100%	44984	100%
2017-18	44833	2051	5%	44947	100%	44947	100%
2018-19	44838	3153	7%	44838	100%	44838	100%



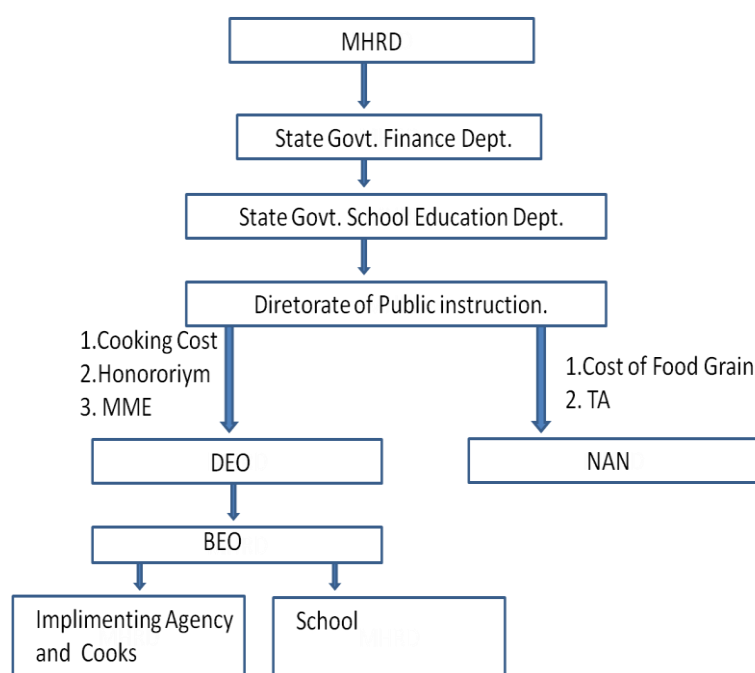
CHAPTER: 5 - Observations from the Field as per the ToR

5.1 Review of the fund flow mechanism

State Government releases funds in advance without waiting releases of funds by the central government. During financial year 2014-15 Finance department has circulated order that 45% of total budget is to be reallocated to DEOs/BEOs in first month of financial year without waiting release of funds by central government. Provision of funds is made in the State budget for cooking cost in ratio of central and state assistance prior to sanction of AWP&B.

State Government has issued order to all the districts to release the cooking cost in advance of one month to all cooking agencies. All districts officers also submit a certificate to state office every month that one month advance cooking cost is released to cooking agencies. Funds are transferred through treasury which is fully online. State also reallocates the fund to district on hard copy. District Education Officer either reallocate funds to Block Education Officer or draw fund and disburse payment of cooking cost and honorarium to cook cum helper by e-transfer to their accounts. Chanel for releasing fund is given below -

Funds are being released in advance in two Installments to District and Blocks. At District / Block level cooking cost is releasing in one month advance to cooking agency. Honorarium to cook cum helper is being made in regular basis. However, at times delay occurred owing to Treasury objections on bill, Bank account provided by SHGs and Cook cum Helper is not correct, SHGs bank account is not updated regularly, because SHGs and Cooks are not aware that cooking cost and



honorarium has been transferred to their account. During the visits it was also observed that funds are released in time and at times the SHGs and CCH were not aware that funds have been transferred in to their bank accounts.

It is suggested here that the concerned District Education Officer / Block Education Officer can communicate the teachers through MDM operators / Cluster Academic coordinators about the release of cooking cost and honorarium. In this manner the SHGs and CCHs may be informed about the release of funds by the teachers on the same day itself.

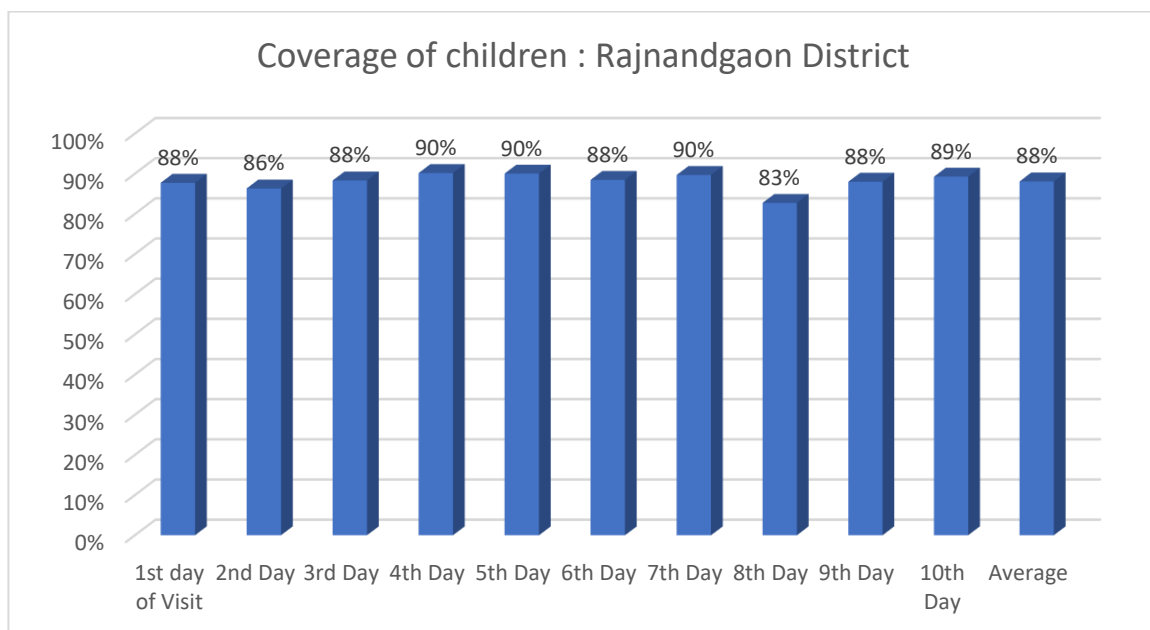
5.2. Review of the coverage of the scheme

The cumulative enrolment in these schools was 4678 against which 4183 Children (89%) availed MDM on average basis during the last 10 days. All the children, who are attending school were availing MDM.

District Rajnandgaon

In the 29 visited schools in Rajnandgaon, 2618 were enrolled. Out of these 2306 children have availed MDM on an average basis during the last ten days of the day of visit.

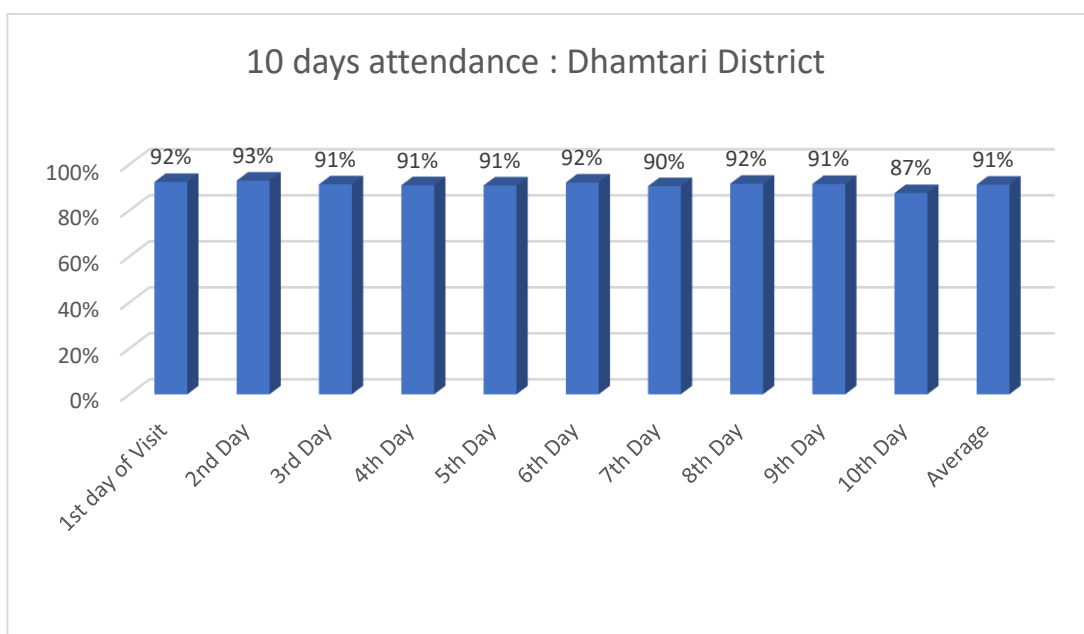
Graph 8: Day wise average students availing MDM in the visited schools in district – Rajnandgaon



District – Dhamtari

In the 27 visited schools in the district 2060 children were enrolled. Out of these 1877 children (91%) have availed MDM on an average basis during the last ten days from the day of visit.

Graph 8: Day wise average students availing MDM in the visited schools in district – Dhamtari



5.3 Review of the Management structure

Education Department is nodal department for implementation of Mid-Day Meal Scheme, which coordinates with different departments like Food Department, Nagrik Apurti Nigam (NAN), Panchayati Raj Department, Health and other Departments for smooth implementation of Mid-Day Meal Scheme in the State. State Steering-cum-monitoring Committee has been constituted under the chairmanship of Chief Secretary, Govt. of Chhattisgarh to oversee the implementation and performance of the Scheme.

Management Structure for implementation of the Mid Day Meal Scheme at State, District and Block level is as follows:

State Office

Designation Sanctioned	Post	Working	Vacant
1. Director 1	1	0	

2. Additional Director	1	1	0
3. Deputy Director	1	1	0
4. Assistant Director	1	1	0
5. Programmer	3	3	0
6. Accountant	1	0	1
7. Clerical Staff	3	1	2
8. Computer Operator	3	3	0

District Office

1. DEO 27	27	0	
2. Assistant Director	27	27	0
3. Accountant	27	27	0
4. Clerk	27	27	0
5. Computer Operator	54	54	0

Block Office

1. BEO 146	146	0	
2. Assistant BEO	292	272	20
3. Accountant /Clerk	146	121	25
4. Computer Operator	292	292	0

All the above are regular employees of the Chhattisgarh Government, except Programmer and Computer Operator, are working under additional charge of MDM along with their Government duties.

At the school level Mid-Day meal is implemented in 95% schools of rural areas by Women's Self-Help Group. These groups are formed at the village level locally comprising parents and neighbours of children studying in school at the concerning village. Serving of cooked food is done by cook-cum- helper and member of implementing agency WSHG's.

Supervision of mid day meal in schools are done by Head Teacher and other school Staff, Members of School Management Committees, Members of Parent-Teacher

Committee and Other government officials from Block, District and State level. Tasting registers have also been maintained at all schools.

The Joint Review Mission observed that schools were being inspected regularly on monthly basis by the cluster coordinators, Assistant Block Education Officers (ABEO) and Block Education Officers. However, it was also observed that the inspection needs to be more focused as most of the times inspecting officials are not providing adequate attention to vital parameters in implementation of MDM. It was also noticed that schools were using different formats for recording information on implementation of MDM in different schools.

State level officers should also visit districts to oversee the implementation of scheme. State Government may also constitute State level Review Missions to oversee the implementation of the scheme.

State may also form a group of 10-12 officers from Blocks and Districts, who may be sensitized and then used as resource persons or monitoring the implementation of scheme in other districts.

The State has engaged two computer operators at every block and effectively these are the core persons and vital cog in implementation of scheme in their respective blocks. These operators are most of the times confined to block offices only with data work. It is strongly recommended that these operators should also be deputed to monitor the implementation of the scheme at field level.

A uniform register for information on implementation of MDMS may also be developed and conveyed to all schools in the State for uniformity of data maintenance at the school level.

5.4 Review the delivery mechanism of food grains from State to Schools

Nagrik Apurti Nigam (NAN) supplies Fair Average Quality (FAQ) food grains under Mid Day Meal Scheme. The system is as under:

School: The daily attendance of Mid Day Meal benefited children are noted in school MDM register. At the end of the month these attendances are entered in the prescribed proforma provided by BEO of concerned block. In the proforma itself the available food grain and unspent of previous month is filled and afterwards the collected information is to be submitted at BEO office with the signature of the concern

head teacher & head of cooking agency by cluster coordinator between 1st to 5th day of every month.

Block: At BEO office the nodal officer for Mid Day Meal entered the information in on-line monitoring software with the help of computer operator. On the basis of attendance of school and average rate of attendance of children, the distribution of rice is made for forth coming month. After cross check of monthly data of all the blocks are found correct, the data' is forwarded to the District Education Officer's office. Latest by 8th of every month.

District: after verification of the information submitted by the block, DEO forward the requirement of rice of each school online to NAN. NAN inturn ensure the supply of requisite quantities of rice to each school through its network of Fair Price Shops.

During the field visit it was observed that registers are maintained at the school level showing details about the quantity of rice received and consumed every day. The storage of food grains is made at schools only in most cases. The JRM team appreciated that buffer stock of food grains was maintained at every school. However, storage bins for food grains were not available in any schools. It is recommended that storage bins may be provided to schools for safe and hygienic storage of food grains.

5.5 Review the smooth implementation of the Scheme with particular reference to Interruptions.

JRM team did not observe any interruption in the mid day meal.

5.6 Review the Creation of Capital Assets

Kitchen-cum-stores were available in all visited schools. Kitchen devices were available in all the visited schools. Eating plates were also available for all children in the visited schools. R.O. machines were also donated by the community and through CSR in some schools. Kitchen gardens have also been maintained in some of the visited schools.

5.7 Construction of Kitchen-cum-stores

Availability of kitchen-cum-store is essential for ensuring that meals are cooked in a safe and hygienic environment. Central assistance of Rs. 32339.95 Lakh has been released for construction of 47266 Kitchen-cum-Stores. As on 31.3.2018, construction

has been completed for 45166 Kitchen-cum-stores and construction work is in progress for remaining 2100 kitchen-cum-stores.

It was observed during the field visit that all the visited schools have a proper kitchen-cum-store. The JRM recommended for completion of construction of kitchen-cum-stores in all eligible schools quickly in a time bound manner.

5.8 Procurement/Replacement of Kitchen Devices

As per MDM guidelines, non-recurring central assistance is admissible to all the schools for procuring cooking utensils, serving devices and storage bins under Mid Day Meal Scheme. As per the information provided by State all the sanctioned units of kitchen devices have been procured.

The JRM found that all the visited schools had adequate number of cooking and serving utensils. It is also appreciated that eating plates were also available for all the children in all visited schools. However, adequate number of storage bins for food grains and other cooking ingredients were not available in most of the visited schools. It is recommended to provide storage bins for safe storage of food grains and other ingredients.

5.9 Review the convening the meetings of District Level Committee under Chairpersonship of senior most Member of Parliament (LS)

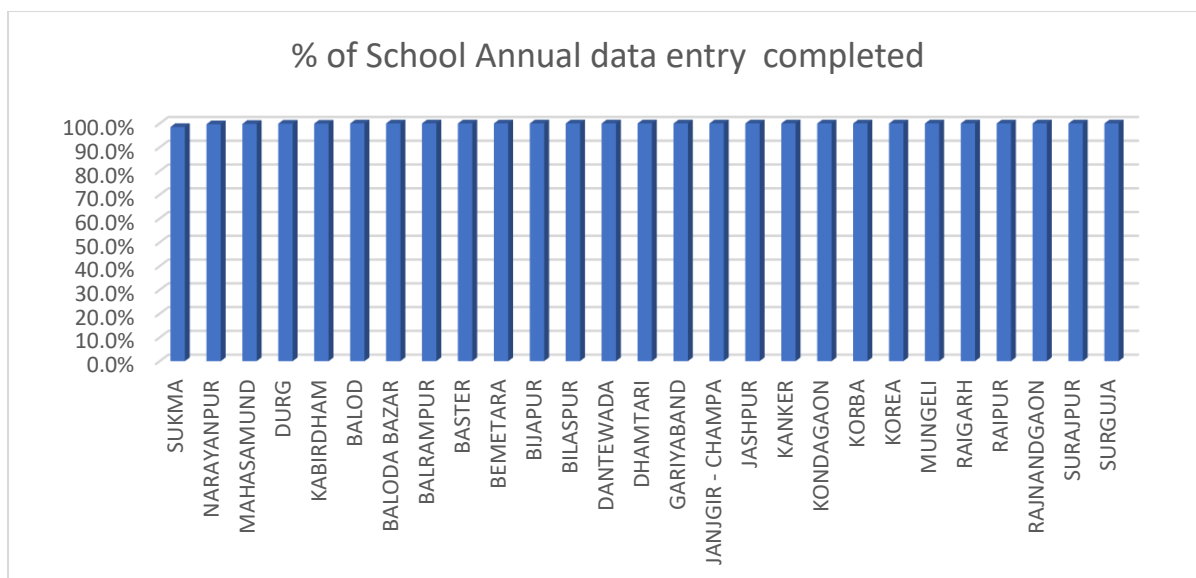
The MDM guidelines provide for monitoring structures at various levels for monitoring and supervision of the scheme. The MHRD has constituted a District level committee under the chairpersonship of the senior most Member of Parliament (Lok Sabha) in the district. The committee is supposed to meet at least once in a quarter. As per the information provided by the district authorities no meeting of this committee has taken place in both the visited districts.

5.10. Review the Management Information System (MIS)

Government of India have launched MIS web portal online monitoring system for online monitoring of the Mid Day Meal Scheme during January 2012. All States and UTs are entering the annual as well as monthly data for vital components of MDMS such as enrolment, coverage, cooking cost, MME, infrastructures etc. on monthly basis for the easy monitoring tool. The Government of Chhattisgarh has been entering the data into the web portal regularly. District wise annual data entry status of the Chhattisgarh is given below: -

Annual Data Entry for FY: 2019-20 (District wise)

S. No.	District	Total Schools	Completed (Saved)	% completed
1	BALOD	1238	1238	100%
2	BALODA BAZAR	1826	1826	100%
3	BALRAMPUR	1964	1964	100%
4	BASTER	2178	2178	100%
5	BEMETARA	1135	1135	100%
6	BIJAPUR	858	858	100%
7	BILASPUR	2502	2502	100%
8	DANTEWADA	867	867	100%
9	DHAMTARI	1336	1336	100%
10	DURG	963	962	99.9%
11	GARIYABAND	1432	1432	100%
12	JANJGIR - CHAMPA	2327	2327	100%
13	JASHPUR	2265	2265	100%
14	KABIRDHAM	1477	1476	99.9%
15	KANKER	2205	2205	100%
16	KONDAGAON	1831	1831	100%
17	KORBA	2011	2011	100%
18	KOREA	1384	1384	100%
19	MAHASAMUND	1794	1791	99.8%
20	MUNGELI	941	941	100%
21	NARAYANPUR	565	563	99.6%
22	RAIGARH	2897	2897	100%
23	RAIPUR	1277	1277	100%
24	RAJNANDGAON	2647	2647	100%
25	SUKMA	936	922	98.5%
26	SURAJPUR	1972	1972	100%
27	SURGUJA	1935	1935	100%
	Total	44763	44742	99.95%



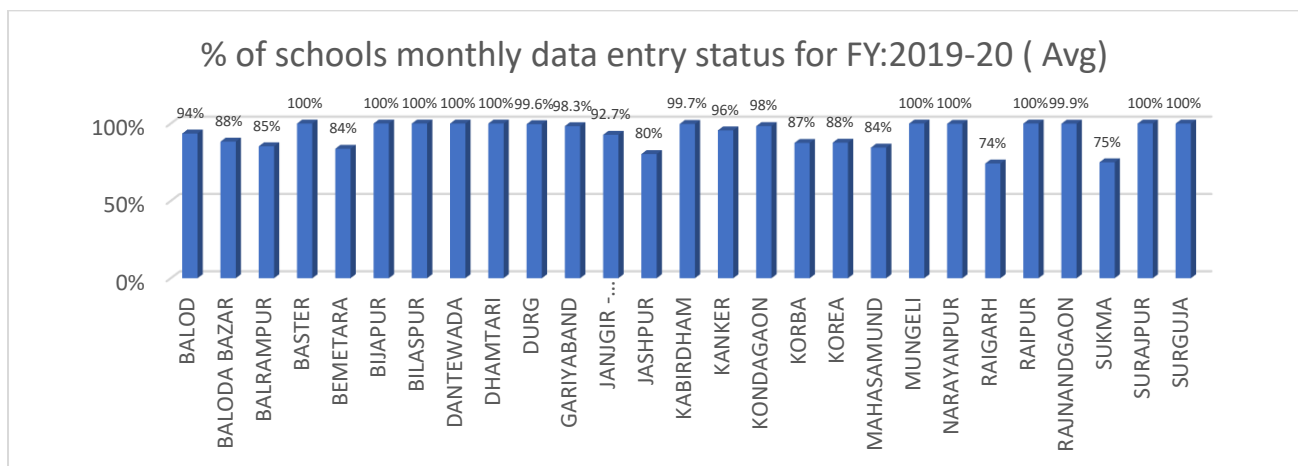
Districts viz. Sukma, Narayanpur, Mahasamund, Durg and Kabirdham have not completed 100% annual data entry for the year 2019-20.

5.10.1 Monthly Data Entry Status:

Similarly, monthly utilization data of various components under MDMS should be entered into the web portal within every 10 day for the month. In Chhattisgarh, 93% of schools have been completed monthly data entry on an average basis. The districts wise monthly data entry status is placed below:-

S. No.	District	Apr	May	Jun	Jul	Aug	Sep	Oct	% of schools (Avg)
1	BALOD	100%	100%	100%	100%	100%	79%	76.0%	94%
2	BALODA BAZAR	100%	100%	100%	100%	94%	74%	50%	88%
3	BALRAMPUR	99.9%	99.9%	85%	79%	79%	79%	76%	85%
4	BASTER	100%	100%	100%	100%	100%	100%	100.0%	100%
5	BEMETARA	99.7%	99%	97%	75%	74%	74%	66.6%	84%
6	BIJAPUR	100%	100%	100%	100%	100%	100%	100%	100%
7	BILASPUR	100%	100%	100%	100%	100%	100%	100.0%	100%
8	DANTEWADA	100%	100%	100%	100%	100%	100%	100%	100%
9	DHAMTARI	100%	100%	100%	100%	100%	100%	100%	100%
10	DURG	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	97.6%	99.6%
11	GARIYABAND	100%	100%	100%	100%	100%	100%	88.2%	98.3%
12	JANJIGIR - CHAMPA	99.9%	99.9%	99.8%	89.1%	86.9%	86.9%	86.9%	92.7%

S. No.	District	Apr	May	Jun	Jul	Aug	Sep	Oct	% of schools (Avg)
13	JASHPUR	100%	100%	99.51%	84.50%	83.09%	66.09%	28.7%	80%
14	KABIRDHAM	99.9%	99.8%	99.8%	99.8%	99.7%	99.7%	99.3%	99.7%
15	KANKER	100%	100%	100%	100%	100%	95%	74.4%	96%
16	KONDAGAON	100%	100%	100%	100%	100%	96%	93%	98%
17	KORBA	100%	100%	100%	100%	87%	84%	41.5%	87%
18	KOREA	99.1%	98.1%	97.5%	96.6%	93.1%	68.4%	60.5%	88%
19	MAHASAMUND	99.6%	99.6%	83.3%	83%	83%	82%	61%	84%
20	MUNGELI	100%	100%	100%	100%	100%	100%	100.0%	100%
21	NARAYANPUR	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	100%
22	RAIGARH	89.7%	89.6%	89.5%	80.4%	69.0%	50.6%	50.0%	74%
23	RAIPUR	100%	100%	100%	100%	100%	100%	100.0%	100%
24	RAJNANDGAON	100%	100%	100%	100%	100%	100%	99.3%	99.9%
25	SUKMA	99%	99%	99%	79%	59%	49%	41.1%	75%
26	SURAJPUR	100%	100%	100%	100%	100%	100%	100.0%	100%
27	SURGUJA	100%	100%	100%	100%	100%	100%	100.0%	100%
	Total	99.3%	99.2%	97.8%	94.6%	92.3%	87.2%	79.2%	93%



The above graphs depict that few districts of Chhattisgarh viz. Raigarh(74%), Sukma(75%), Jashpur(80%), Bemetara(84%), Mahasamund(84%), Balrampur(85%), Korba(87%), Korea(88%) and Baloda Bazar(88%) are below the State average.

5.10.2. Review of implementation of Automated Monitoring System

S.No.	Date	Day	Reported School	Reported School Percentage
1	01-11-2019	Friday	27	0.1%
2	02-11-2019	Saturday	20	0.0%
3	03-11-2019	Sunday	21	0.0%
4	04-11-2019	Monday	10881	25.0%
5	05-11-2019	Tuesday	10988	25.3%
6	06-11-2019	Wednesday	10886	25.0%
7	07-11-2019	Thursday	10844	24.9%
8	08-11-2019	Friday	9708	22.3%
9	09-11-2019	Saturday	9160	21.1%
10	10-11-2019	Sunday	15	0.0%
11	11-11-2019	Monday	10474	24.1%
12	12-11-2019	Tuesday	35	0.1%
13	13-11-2019	Wednesday	10723	24.7%
14	14-11-2019	Thursday	10047	23.1%
15	15-11-2019	Friday	10555	24.3%
16	16-11-2019	Saturday	9488	21.8%
17	17-11-2019	Sunday	20	0.0%
18	18-11-2019	Monday	0	0.0%
19	19-11-2019	Tuesday	11206	25.8%
20	20-11-2019	Wednesday	11207	25.8%
21	21-11-2019	Thursday	11560	26.6%
22	22-11-2019	Friday	11382	26.2%
23	23-11-2019	Saturday	10138	23.3%
24	24-11-2019	Sunday	35	0.1%
25	25-11-2019	Monday	10488	24.1%
26	26-11-2019	Tuesday	11542	26.6%
27	27-11-2019	Wednesday	0	0.0%
28	28-11-2019	Thursday	11321	26.0%
29	29-11-2019	Friday	12400	28.5%
30	30-11-2019	Saturday	11247	25.9%
Monthly Average			8708	20% (Monthly reported Schools)

State Govt. of Chhattisgarh has been using the Automated Monitoring System (HP Model). During, November 2019 only 8708 schools (20%) had reported to the on line system. But recently State Govt. has been developing their in-house web app for taking the daily data through the Headmaster/Teachers smart mobile phone. State Officials reported that the web app will be fully functional within the two months.

5.11 Convergence with Rastriya Bal Swasthya Karyakram for health check-up, supplementation of micronutrients under WIFS & de-worming medicine under National de-worming day and health check-ups and supply of spectacles to children suffering from refractive errors.

Mid Day Meal Guidelines envisage health check-up of the students through Rashtriya Bal Swasthya Karyakram (RBSK) under National Health Mission of the Ministry of Health & Family Welfare. This is going on in the name 'Chirayu' in the State. JRM team observed that the medical teams have been conducting the health check-up of the children in all the schools. Iron Folic Acid capsules and de-worming tablets were also distributed to the children. However, School Health Cards (SHC) of the students were not kept in some of the visited schools. The Head teachers of these schools informed that Health authorities had taken the SHCs with them.

State Government may also think of calculating BMI of children studying in schools with the help of teachers, which may give a fair idea about the children's nutrition status.

5.12. Operationalization of Mid-Day Meal Rules, 2015

The State Government has issued instructions to all the field functionaries for implementation of the MDM Rules'2015 scrupulously duly communicating a copy of the Gazette Publication issued by the Government of India. However, in almost all visited schools, most of the teachers and block officials were unaware of the provisions of MDM rules. It is recommended that the stakeholders may be sensitised about the provisions of MDM rules.

5.13 Enrolment of children and Cook-cum-Helpers under Aadhaar

Department of School Education & Literacy has advised all States/UTs in February, 2017 for enrolment of the school children under Aadhaar. As per the information provided more than 98% of the enrolled children and 100% cook-cum-helpers are having Aadhaar card. It is advised to ensure that all enrolled children are registered for Aadhaar.

5.14 Payment of Honorarium to Cook-cum-Helpers

State Government is providing Rs 200 per CCH per month more in addition to its minimum mandatory share of Rs 400 per CCH per month. The JRM observed that in most of visited schools honorarium to cook-cum-helpers was paid up to the month of October in both the districts. The CCHs also informed that they received honorarium within 20 days most of the times. It is praiseworthy, since the CCHs belong to socio-

economically challenged segment of the society, it is of paramount importance that the payment of honorarium be made regularly on monthly basis.

5.15 System of Storage food grains and other ingredients

Buffer stock of food grains was available in all the visited schools. However, storage bins are not provided to most of the visited schools. The JRM team also observed that sacks of food grains are placed on the floor. It is recommended to provide storage bins to schools for safe and hygienic storage of food grains and other ingredients. The storage bins and sacks of food grains should be placed on raised platforms.

At present SHGs are procuring pulses, oil, spices, pickle, papad etc for MDM. In some schools it was informed that SHGs are reluctant to take up this job, as it is not economical for them. The JRM was informed that State Government of Chhattisgarh has developed infrastructure facilities for empowerment of women self-help groups under 'AAJIVIKA'. Women self-help groups are working in these facilities for making uniforms for school children, bags, sanitary napkins for school girls etc. *It is recommended that the State may explore the possibilities to utilise these facilities for providing pulses, oil, spices, pickle, papad etc under MDM to schools to ensure adequate quantities as per norms and quality products, on pilot basis in 2-3 blocks.*

5.16 Role of Teachers in Mid-Day Meal Scheme.

As per the MDM guidelines, the role of the teacher is to organize, supervise and ensure that the mid day meal is served in an orderly manner. The JRM interacted with the teachers in the visited schools. Almost all the teachers informed that they are able to keep the MDM record easily because Self Help Groups and Cook-cum-Helpers are responsible for cooking and serving the mid day meal. This has relieved them for attending to their teaching and learning activities. The JRM team observed that at present teachers are maintaining daily information on caste wise and gender wise data on coverage of children under MDM. Different formats were also used in different schools, for record keeping. *It is suggested that a simple format may be devised for keeping records of important components of MDM and these may be circulated to schools, to ease out the burden on teachers and also for uniformity of record keeping.*

5.17 Testing of meals

The Mid Day Meal Rules, 2015 envisage that randomly selected food samples by the State Food & Drugs Department would be sent for testing of quality as well as quantity of meals.

State has engaged Anacon Laboratories Pvt. Ltd., Nagpur for testing of food samples. During 2018-19, 152 samples are taken randomly for testing. As per the information provided 89 were found meeting norms and remaining 63 were found below norms. Warning letters were issued to the agencies in case of the food sample tested below norms.

The lab officials also collected food samples in the presence of JRM team in Government Middle School, Mongana, Kurud block of Dhamtari district.

5.18 Awareness of the Scheme

Entitlement of children under MDM, Menu of MDM and MDM logo were displayed about 50% of the visited schools. In some schools during interaction with the community some people informed that they at times visit schools for seeing the implementation of MDM. However, they could not comment about the quantity of meals being served as they were not sure about the norms. It is recommended to display the MDM logo, menu and entitlement of children under MDM at a visible place, preferably on the outer walls of the school, so that these are visible to all.

5.19 School Nutrition Gardens

Chhattisgarh has done very well on development of School Nutrition Gardens. Many schools have developed Nutrition Gardens, which are supplying fresh vegetables and fruits to the children. State may record some success stories and use them as case studies for encouraging the schools, which have yet to develop school nutrition gardens.

5.20 Cooking Competitions

The JRM team is informed that Cooking competitions have been organised in all the districts. Cook-cum-Helpers have participated with great enthusiasm in these competitions. Some of the winning recipes are already become the part of menu in some districts.

5.21 Mode of Fuel

All the visited schools barring one are using firewood as fuel. Although, State has made a provision of additional 30 paise per meal to promote the use of LPG, still LPG is used rarely. It is advised that State may conduct a quick assessment with the help of some external agency on the physical and financial requirement for use of LPG in the schools.



CHAPTER: 6

6.1 RESULTS

6.1.1 Coverage particulars

A total of 1518 school children were covered for anthropometry, clinical examination from 45 schools from both the districts (Rajnandgaon: 23; Dhamtari: 22). Institutional diet survey was done in 4 schools covering 87 children from both the districts. 46 In-charge MDM teachers, 113 parents, 34 SMC members, 39 cook-cum helpers and 15 functionaries were interviewed for their opinion about MDM (**Table 1**).

Particulars of schools covered

Total 45 schools (Rajnandgaon: 23; Dhamtari: 22) were covered for physical facilities available at school. About 82% schools (Rajnandgaon: 95.6%; Dhamtari: 68%) were located in rural areas while 13% were in tribal area. About 56% were primary while 44% were upper primary schools. All the buildings were pucca in nature and were government buildings. About 52% of primary school has less than 5 rooms which is insufficient and was more in Rajnandgaon (58%) compared to Dhamtari (46%) district. In upper primary schools, all schools have sufficient rooms for teaching (**Table2**).

It was observed that the food was prepared as per menu on the day of visit in all the schools and in the school kitchen. Drinking water facility was present in 98% of school in the school premises of which 44% were tap water. The water has been stored in steel container in 80% of schools and 49% children were using ladle to draw water from the pot. Majority (77.8%) schools were storing raw food in jute bags either in kitchen (42%) or in classroom (33.3%), 18% had separate store room for storage of raw food. Teachers (In-charge MDM) were mostly involved in supervising food preparation, its distribution to children, testing of food and maintenance of records. About 51% teachers stated that they need at least 30 minutes to look after MDM, 42% stated 15 minutes, only 20% stated that MDM affects their teaching activities. Majority (97.8%) schools had separate kitchen facilities, 93% had sufficient plates for eating, 82% had hand washing facilities, and 78% children were washing hands with soap before taking foods. Toilet facility was available in 91% schools, and 89% had separate toilet for girls, kitchen garden was observed in 42% schools and first aid kit was available in 80% schools (**Table 3**).

Only 44% schools had displayed entitlement of children, 60% had MDM logo, 80% displayed menu on the walls. Only 44% had telephone number of PHC displayed on walls, 38% displayed number of fire services and 36% had displayed police number in case of emergency (**Table 3**).

6.2. Food and Nutrient intakes through Mid Day Meal:

Institutional diet surveys

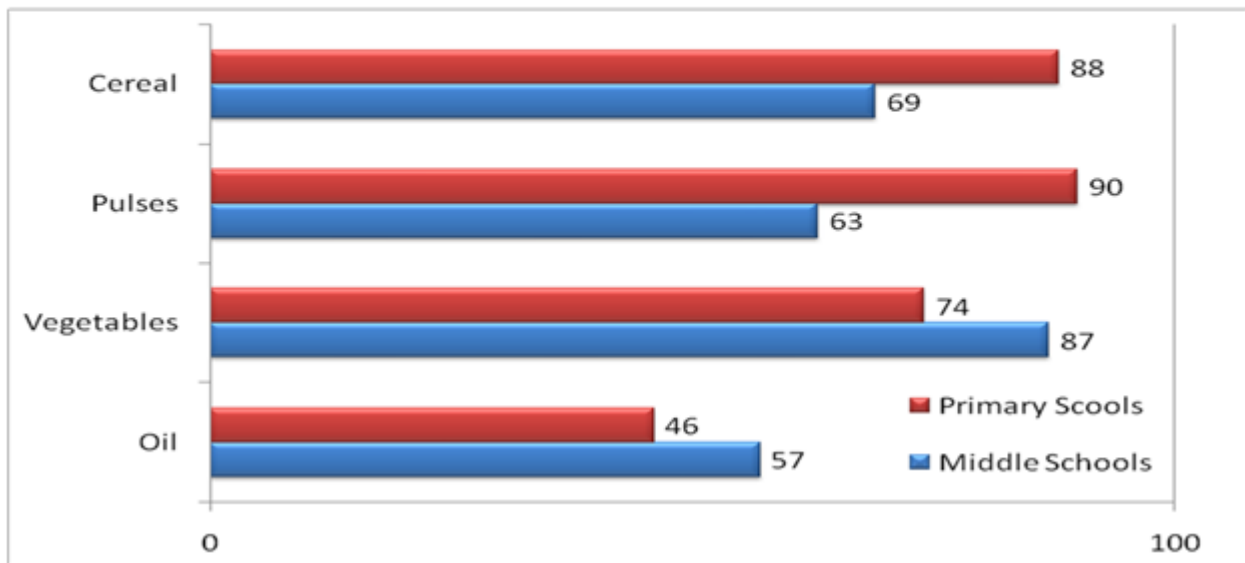
The average cereal intake of the primary school children was 88g/day as against the stipulated MDM nutrition norms of 100g/day, while among upper primary school children; it was 103g/day as against 150g/day. The mean consumption of pulses among both the group children was 18g as against 20g and 19g as against 30g respectively. Fats and oils intakes were 2-4g among both the groups. Average vegetable intake was 37g against 50g in primary and 65g against 75g among upper primary school children (**Table 4.1**).

6.2.1 Nutrient intake of School children through Mid Day Meal: Institutional diet surveys

The intake of energy was 423Kcal/child/day and protein (11.8 g/child/day) through mid-day meal among primary school children was comparable to the MDM nutrition norms (energy: 450 Kcal and 12g protein) while among upper primary children, it was 511kcal and 14.2g protein which is lower compared to MDM norms (700 Kcal and 20g proteins) (**Table 4.2 & Fig. 10**).



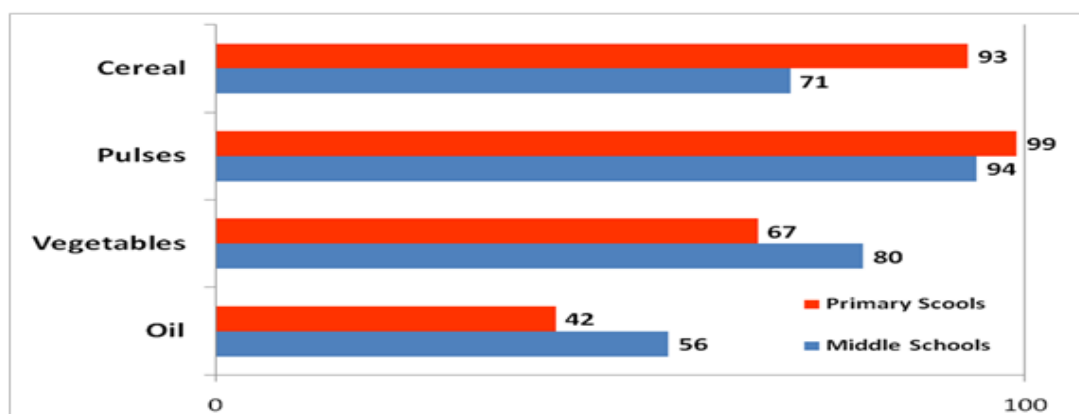
Fig. 10. Average intake of Foods through MDM as percent of Entitlements
(Institutional diet Survey)



6.2.2 Food intake of School children through Mid Day Meal: Individual diet surveys

The actual intake of cereals among the primary school children was 93g/student/day as against the stipulated MDM nutrition norms of 100g/day, while among upper primary school children; it was 107g/student/day as against 150g/day. The consumption of pulses among both the groups was similar to that recommended (20 & 30 g). Fat and oil intake were less 2.1g as against 5g among primary children while it was 4.2g as against 7.5g among upper primary children. Vegetables intakes were also low than that suggested under MDM (Table 5.1 & Fig. 11).

Fig. 11. Average intake of Foods through MDM as percent of Entitlements
(Individual diet Survey)



6.2.3 Nutrient intake of School children through Mid Day Meal: Individual diet surveys

The actual intake of energy (437 Kcal/child/day) and protein (11.8 g/student/day) through mid day meal among primary school children was similar to the MDM nutrition norms (energy: 450 Kcal; protein: 12g), while it was 550 kcal and 16g proteins among upper primary school children which is lower than that suggested under MDM (700Kcal and 20 g protein) (Table 5.2).

Food and nutrient intake from the centralized kitchen

The average consumption of cereals was 54 gram in primary and 81 gram in upper primary against 100 gram and 150 gram respectively. Average consumption of pulses was only 12 gram for primary and 17 gram for upper primary against 20 gram and 30 gram respectively. The average intake of energy was 308 kcal as against 575 kcal while protein intakes was 8.5g against 16g (Table 6.2)

Mid Day Meal Nutrition Norms as per the Ministry of HRD the prescribed nutrition norms to be provided through Mid Day Meal are as follows:

450 kcal and 12g of protein which is derived from 100 g of food grains (rice/wheat), 20g of pulses, 50g of vegetables and 5g of oil for children studying in primary classes, while 700 Kcal and 20g of protein, which is derived from 150g of food grains (rice/wheat), 30g of pulses, 75g of vegetables and 7.5g of oil in upper primary classes.



6.3 Organoleptic characters of MDM meal

The quality of MDM was also assessed by Sensory Evaluation. The parameters included were appearance of meal, colour, odour, texture, taste and overall palatability of recipes prepared as a part of MDM. The evaluation was carried out on the school site by MDM team using 5-point Hedonic rating scale. Four batches of students were served MDM meal (rice, Sabji, dal) in 4 separate schools and in each school about 10 students were covered. Each student was served rice, khichidi, subji and dal

separately and with help of structured schedule organoleptic evaluation was carried out with respect to food served. All the students stated that the meal appearance, colour, odour, texture, taste and overall palatability were either good or very good for Rice, 75-96% for dhal, and 100% for papad, while 79-96% stated satisfactory for subji. About 8-20% stated that the meal is good in terms of its appearance, colour, odour, taste, texture and overall palatability for subji (**Table 8**).

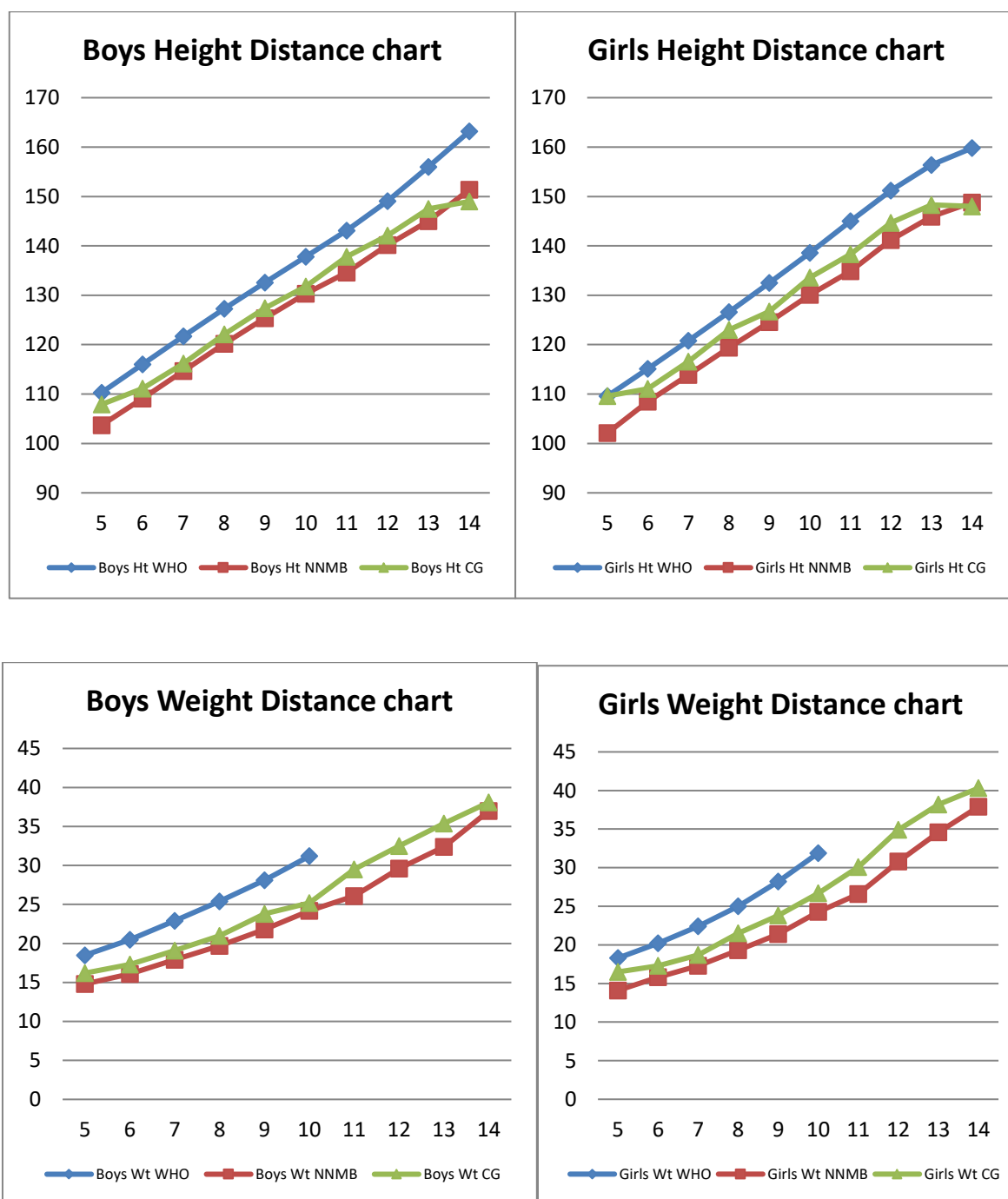
Knowledge and practices of students about MDM and hygiene practices

About 87% children stated that the served quantity of mid day meal was sufficient to meet their hunger and about 92% children aware of weekly menu of MDM, 92% were satisfied with the menu and 99% stated that they get food as per MDM menu. Majority (96.8%) of the students stated that they were washing their hands before taking the meal, and were also washing their glasses and plates before taking the meal and 88% were washing hands after defecation. Majority (92%) children stated that they were bathing and brushing teeth daily, 79% were trimming nails regularly while 87% stated wearing washed clothes daily (**Table 9**).

Anthropometry

The anthropometric measurements such as weight, height and mid upper arm circumference (MUAC) were carried out among all the selected school children. The mean height and weight were more among girls (128.6 cm and 25.5 kg) compared to boys (127.8 cm and 24.7 kg). Mean MUAC was similar among both the genders (17cm). All the mean anthropometric parameters of these children were less, when compared to the WHO standards (**Table 10**). The distance charts for heights and weights of boys and girls of the present survey compared to the WHO growth standards and NNMB 2011-12 (states pooled) were presented in **fig. 12**

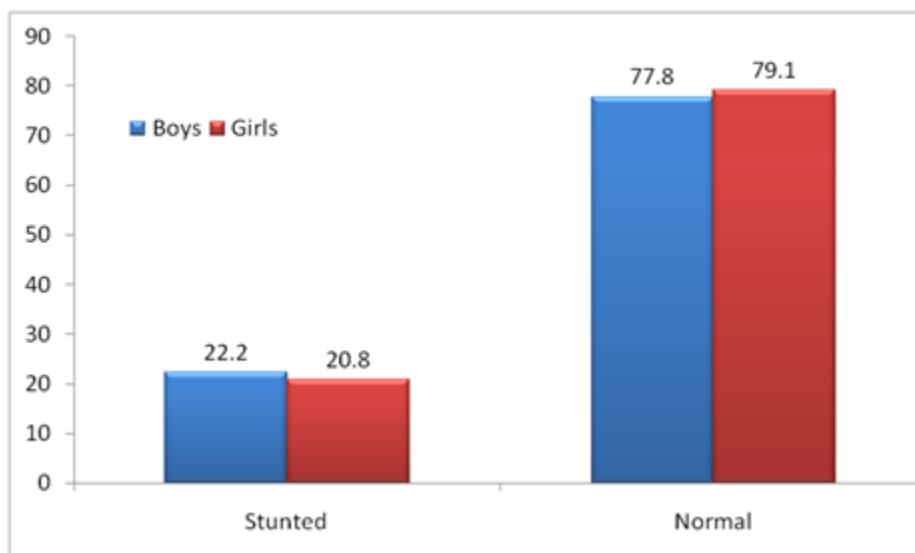
Fig. 12: Distance charts for mean heights and weights for boys and girls



Prevalence of stunting

Overall prevalence of stunting (Height for age < Median-2SD) among school children was about 21.5%. The prevalence was similar in both the districts (Rajnandgaon: 21.8% and Dhamtari district: 21.3%). The prevalence of stunting was slightly higher among boys (22.8%) as compared to girls (20.8%). The prevalence was higher among 11-15 years children (23.3%) as compared to 5-10 year children (20%) (Table 11 & Fig. 13).

Fig. 13. Distribution (%) of 5-15 Yr Children by Ht/Age (Stunting)



Prevalence of Thinness, overweight and obesity

The overall prevalence of thinness (BMI Z score) is 21.6% and was higher among boys (24.5%) as compared to girls (18.7%). The prevalence was higher among children from Rajnandgaon district (25.1%) as compared to children from Dhamtari district (18.5%). The prevalence of overweight and obesity (> +1SD and above, BMI-Z scores) among school children was 2.6% and was higher among girls (2.9%) as compared to boys (2.4%). The prevalence of overweight and obesity was higher among children from Dhamtari district (3%) as compared to children from Rajnandgaon district (2.3%). The prevalence was higher among 11-15 years children (3.7%) as compared to 5-10 year children (1.9%) (Table 12 Fig.14 & 15).

Fig. 14. Distribution (%) of 5-15 Yr Boys by BMI-Z Scores

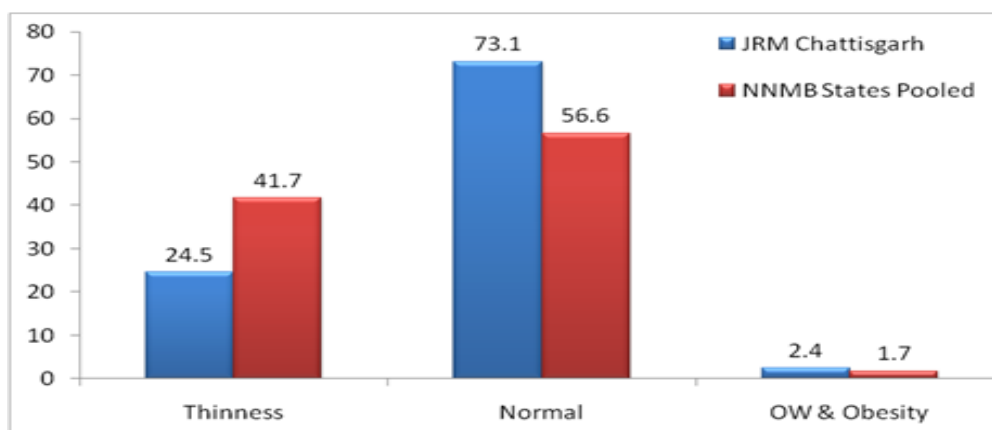
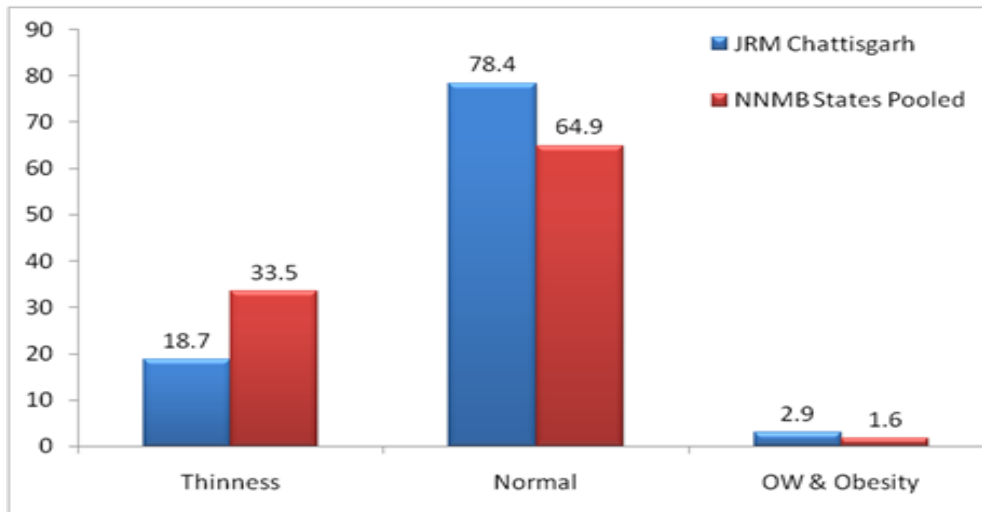


Fig. 15. Distribution (%) of 5-15 Yr Girls by BMI-Z Scores



Clinical Examination: Nutritional deficiency signs

The prevalence of total goiter was about 3%, which was higher among girls (4%) as compared to boys (1.3%). The prevalence was similar among children from Dhamtari (2.6%) and Rajnandgaon district



(3%). The prevalence of conjunctival xerosis and Bitot's spots, cardinal signs of Vitamin A deficiency was 0.5% and 0.4% respectively and was 0.7% among children from Rajnandgaon and 1.1% in Dhamtari districts. Vitamin B complex vitamin deficiency sign such as angular stomatitis was about 1.3%, dental fluorosis was 0.4% while dental caries was 3% among the children (**Table 13**).

6.4. In Depth interviews (IDIs)

6.4.1 In depth interview were conducted to the MDM in-charges/ head master in all the schools visited in both the districts).

Rajnandgaon district – A total of 24 MDM in-charges were interviewed to know their knowledge and practices on MDM. Among the interviewed, 29% were in the age group of 30-39 years, 25% were 40-49 years and 46% were more than 50 yrs. About 54% of the teachers were post graduate 13% were graduate with D.Ed. and 8% each were graduate and post graduate with B. Ed. ((**Table 14**))

Only 4% of the teachers were aware of all the objectives of MDM. About 50% each of the teachers were aware of at least 2 or 3 objectives like 'MDM to improve the Nutritional & Health status of the children' and 'MDM to improve the school attendance'. Majority (92%) were aware of only one objective. All the teachers interviewed were aware of the weekly menu.

In all the schools visited, MDM was found serving food to all children present on all the working days in the previous academic year. In nearly all the schools visited, the attendance of the children was >80% to the students' enrolment.

All the teachers interviewed expressed that the children like the taste of MDM food. Also, all of the teachers informed that the local community is feeling the need of the programme and there is one village committee existing in the village to monitor the MDM.

In the previous month, MDM was supervised by local committee (70.8%), and block education officer (25%). Majority (91.6%) were checking cooked food, 63% were checking hygiene, 42% were verifying records and registers during supervision. Nearly all the teachers reported that they don't have encountered any problems in implementing the MDM in their schools. Some of the issues encountered were

- Problems with the cooks
- Less honorarium to the CCH

All of the teachers stated that they were getting the food material from the fair price shop at the village whenever needed. Nearly 80% of the teachers stated that health check-up was done under School health programme. About 8% teachers suggested

increasing contingency amount, 17% suggested increase honorarium to cook and 21% suggested to add fruits for successful implementation of MDM

Dhamtari district – A total of 22 MDM in-charges were interviewed to know their knowledge and practices on MDM. Among the interviewed, 41% were in the age group of 30-39 years age, 32% were 40-49 years age and the rest (27%) were more than 50 yrs. About 82% of the teachers were post graduate 5% each were graduate and with D.Ed. and 9% were post graduate with B. Ed. ((**Table 14**))

None of the teachers were aware of all the objectives of MDM. About 36% each of the teachers were aware of at least 2 or 3 objectives like 'MDM to improve the Nutritional & Health status of the children' and 'MDM to improve the school attendance'. Majority (91%) were aware of only one objective. All the teachers interviewed were aware of the weekly menu.

In all the schools visited, MDM was found serving food to all children present on all the working days in the previous academic year. In nearly all the schools visited, the attendance of the children was >80% to the students' enrolment.

All the teachers interviewed expressed that the children like the taste of MDM food. Also, all of the teachers informed that the local community is feeling the need of the programme and there is one village committee existing in the village to monitor the MDM.

In the previous month, MDM was supervised by local committee (50%), CAC (77%) and block education officer (22.7%). Majority (63.6%) were checking cooked food, 68% were checking hygiene, 45% were verifying records and registers during supervision. Nearly all the teachers reported that they don't have encountered any problems in implementing the MDM in their schools. Some of the issues encountered were

- Problems with the cooks
- Less honorarium to the CCH

All of the teachers stated that they were getting the food material from the fair price shop at the village whenever needed. Nearly 80% of the teachers stated that health check-up was done under School health programme. About 36% teachers suggested increasing contingency amount, 41% suggested increase honorarium to cook for successful implementation of MDM (**Table.14**)

6.4.2 In depth interviews was conducted on parents on their views about MDM in both the districts.

Rajnandgaon district – A total of 54 parents were interviewed to know their knowledge on MDM. Among the interviewed, 50% were below <40 yrs. age, and 50% were more than 40 yrs. of age. Only 17% parents were illiterate, 24% had primary education, 33% had middle school education, 13% were having secondary education while 13% were having education of inter and above.

All the parents stated that MDM is beneficial for children, but only 33% each stated for increase attendance and improve health & nutritional status, 19% stated for increase in enrolment, reduce drop out (5.6%), and 63% stated that it provides additional food. All the parent stated that their children were participating in MDM, all stated that the children like the taste of food, and that the quantity is adequate for children. About 57% parents stated that children took 2 meals at home while 43% stated 3 meals at home. About 22% parents stated that they observed improvement in the nutritional status of children, 32% stated improvement in health, 13% stated regularity in going to schools, 18% stated improve in scholastic performance while 65% stated that there is no change in children. About 80% parents were aware of shiksha committee in the village, while 32% were member in the committee. About 6% suggested to change menu, while 33% suggested to give milk while 18% suggested to give eggs or fruits in a week (**Table 15**).

Dhamtari district – A total of 59 parents were interviewed to know their knowledge on MDM. Among the interviewed, 56% were below <40 years age, and 44% were more than 40 years of age. About 25% parents were illiterate, 27% had primary education, 24% had middle school education, 15% were having secondary education while 9% were having education of inter and above.

All the parents stated that MDM is beneficial for children, about 32% stated that it improves health & nutritional status, 83% stated that it provides additional food, 10% each stated for increase in attendance and scholastic performance, 3% stated for reducing drop out. All the parent stated that their children were participating in MDM, all stated that the children like the taste of food, and that the quantity is adequate for children. About 76% parents stated that children took 2 meals at home while 24% stated 3 meals at home. About 29% parents stated that they observed improvement

in the nutritional status of children, 39% stated improvement in health, 7% stated regularity in going to schools, 27% stated improve in scholastic performance while 48% stated that there is no change in children. About 88% parents were aware of shiksha committee in the village, while 34% were member in the committee. About 2% suggested to change current menu while 12% suggested to give milk while 46% suggested to give eggs or fruits in a week (Table 15).

6.4.3 In depth interviews were carried out on different functionaries of MDM about their knowledge & practices on MDM in both the districts.

Functionaries

Rajnandgaon and Dhamtari district – A total of 15 functionaries of which 1 was DEO, 1 assistant Director and 3 were block development officers, 4 were assistant block development Officers and 7 were Cluster Academic Coordinator (CAC) were interviewed to know their knowledge on MDM. Among the interviewed, majority (90%) of the functionaries were post graduate. About 73% of the functionaries were aware of at least 2 objectives, 53% were aware of at least 3 objectives. Activities carried out during supervisory and monitoring visits include verification of records (60%), check hygienic practices (70%) and cooking foods (67%). About 60% functionaries stated that nutritional status has improved in their area, 67% stated increase in enrollment, 73% stated decrease drop out and 47% stated increased in scholastic performance of the children. About 27% each suggested to develop kitchen garden and increase in honorarium for cook, 13% each suggested to give milk or egg and training to SHG for improving MDM (Table 16)

SMC Members

Rajnandgaon and Dhamtari district – A total of 34 SMC members (74% male; 26% female) were interviewed to know their knowledge on MDM. The mean age was 42 years. Among the interviewed, almost all were belonged to Hindu religion and 74% belong to Other Backward Community. About 18% had primary education, 41% had middle education while 15% each were having secondary and higher secondary education.

Only 20% SMC members were aware of cereal entitlement of the children, none were aware of other food entitlement. About 56% were attending meeting regularly at schools. All SMC member stated that MDM had increased in attendance of school,

82% stated increase in concentration in studies and activity at school and 56% stated decrease in drop out from the schools. All stated that the children sit together while eating (**Table 17**).

6.5 Cook Cum Helpers (CCH)

In-depth interviews were conducted to the Cook Cum Helpers (CCH) in the schools visited in both the districts.

A total of 39 CCHs were interviewed in the district. Majority of them belong to Hindu religion and were married and belongs to other backward communities. About 31% were illiterates, 38% had primary education while 26% had middle level of education. About 46% CCH were working for < 10 years, 54% had 10-20 years and only 3% were working since 20 years as CCH.

All the CCH stated that MDM was regularly served in the school and were testing food before serving to children.

In all the schools, head master (MDM in-charge) used to maintain the MDM records and was instructing the CCH how much to cook on the day. All the CCHs opined they were cooking as per the attendance of children and were using standard measure for measuring the raw materials.

Only 23% CCH had undergone health check-up at the school and 49% had undergone training on hygiene and food safety but none of them were found wearing the aprons/hats while cooking (**Table.18**).

6.6 Kitchen Environment & Hygiene

Observation of the kitchen environment and pre-preparatory methods of the cooks was assessed in all the schools visited in both the districts (**Table 14**).

A total of 38 kitchens were observed for food quality supplied under MDM. About 79% rice, 71% dal and 87% vegetables observed were good quality, while 13-26% was satisfactory in quality. All the cooks were sieving rice and dal before cooking. All the cooks were washing rice while 95% were washing dal before cooking. All the cook-cum-helpers were removing water (Kanji) from rice after cooking. Majority (92-95%) were cooking food with lids (**Table 19**). About 79% were preparing food in closed kitchen, while 21% preparing in open. All the cook-cum helper (CCH) stated that the children wash their hands before taking food and also washes plates and glasses. All the CCH stated that they were washing their hand before cooking, wash utensils,

before and after cooking and prepare foods covered with lid. All the kitchens were observed clean and 79% had sufficient vessels for cooking. Drinking water was available in all the school premises mostly bore well. And nearly a fourth (24%) of the children were using water directly from the source. Majority (89%) were using firewood while only 11% were using LPG gas for cooking purpose. All the schools were using iodized salt and were storing in closed containers. Only 18% of the schools have storage room facility and 29% had dunnage facility. Almost all the schools were using the closed gunny bags for storing of the rice. Insects were observed in 13% of store room while 3% were following insecticidal measures (**Table 19**).



Chapter 7

The team has summarized following good practices observed, areas of further improvements and recommendations which are feasible and practical with a bigger objective to accrue maximum benefits out of the resources and efforts mobilized for the scheme.

7.1. Good Practices observed

- State is releasing funds towards cooking cost and honorarium to cook-cum-helpers in advance for six months in the month of April to districts.
- State has adopted the system of E-transfer of funds for cooking cost and honorarium to cook-cum-helpers, which has significantly reduced the time lag in payment of honorarium to CCHs.
- Women Self Help Groups have been engaged for providing Mid Day Meal in schools in rural areas, this has resulted in women empowerment as well.
- State is contributing Rs 200 per cook-cum-helper in addition to its mandatory State share of Rs 400 per cook-cum-helper per month.
- The State Government is promoting setting up of School Nutrition Gardens and some of the schools were already having kitchen garden. These gardens are producing fresh vegetables and fruits, which are being used in the preparation of Mid Day Meals in the schools.
- Drinking water facility and toilets were observed in all schools within the school premises. Separate toilets for girls were also available in most of the schools. However, in some schools the number of toilets was inadequate.
- Buffer stock of food grains was maintained in all the visited schools. Quality of food grain supplied was observed good in all the schools visited. The cooks and teachers also informed that quality of rice remains good in general.
- Hand washing practices were observed in all the visited schools. Almost all of the children were washing hands before and after eating the mid day meal. Soaps and liquid hand wash were also used in many schools. Steps of hand washing were also displayed in some schools.

- Attendance of children was observed to be very good during the visit and preceding 10 days. On an average about 90% of the enrolled children have attended school and availed Mid Day Meal during the last ten days of JRM visit.
- In majority of the visited schools health and ophthalmic examination of students has been carried out by the doctors.
- Use of iodized salt was observed in all the visited schools.
- Tasting meal register was maintained in most of the schools. JRM team also tasted meal in schools and found it tasty, good and hygienic.
- Cook-cum-Helpers were observed undertaking Hygienic practices such as washing of hands before cooking, cleaning of utensils, using fresh water for cooking.
- Eating plates have been provided for all the children in visited schools.
- Some of the schools were serving sprouted grains which is a very good practice

7.2. Areas of Concern

- The average consumption of cereals was 54 gram for primary and 81 gram for upper primary in the schools served by the centralized kitchen against the mandated 100 gram for primary and 150 gram for upper primary. In case of school-based kitchen, the average consumption was 94 gram and 108 gram for primary and upper primary respectively.
- The average consumption of pulses was 12 gram for primary and 17 gram for upper primary in the schools served by the centralized kitchen vis-à-vis mandated 20 gram for primary and 30 gram for upper primary. In the schools catered through school-based kitchen the consumption of pulses was almost at par with the norms with 20 gram and 28 gram for primary and upper primary respectively.
- LPG is not used in almost all visited schools. Firewood was used for cooking in all but one of the visited schools. The Kitchen-cum-stores were filled with the smoke in most of the visited schools.
- The entitlement of children under Mid-day Meal Scheme is not displayed at a prominent place in most of the visited schools and all the SMC members /chairpersons were not aware of food norms and entitlements of children. Mid day meal logo and Menu are also not displayed at a prominent place where it is visible to all in more than 50% of the visited schools

- Monitoring at school level is not upto the mark, the visiting officials i.e. CAC, ABEO, BEO in most of the cases were found recording generic remarks about MDM. Participation of community was also very less in Mid Day Meal Scheme.
- Funds towards cooking cost and honorarium of Cook-Cum-Helpers are transferred directly to the bank accounts of SHGs and CCH. In some schools, school records are showing huge unspent balance on account of cooking cost, whereas the SHG informed that they have received the amount on regular basis.
- Schools are maintaining lot of records such as daily enrolment, daily social group wise attendance which can be avoided to reduce burden on the teachers. There is no uniform register for maintaining information on implementation of MDM. Different formats were also used in different schools, for record keeping.
- Emergency telephone numbers such as fire, police and Medical services were not displayed in prominent places in most of the schools.
- Water (Kanji) was removed from rice after cooking which is not good practice as it removes most of the nutrients.
- Storage bins were not available in majority of the schools for keeping food grains
- Aprons and Head gears were not used by all CCH in the selected district.
- In some schools, dal was not washed with water before cooking, which is not a good practice, whereas other vegetables were washed with water after cutting.
- Health check up of the Cook-Cum-Helpers was not carried out.
- Contingency Plan for untoward incident was not observed in majority of the visited schools.
- Non-recording of the observations of teachers and parents in taste register.
- Fire extinguisher were not found in most of the schools and wherever available, it was not ready to use.

7.3. Recommendations

- State should adopt stringent mechanism to ensure that children receive the prescribed quantities of foodgrains, pulses, vegetables and other ingredients.
- Removal of water (Kanji) from rice should be discouraged as it removes most of the nutrients from cooked rice.
- The entitlement of children under Mid-day Meal Scheme, MDM logo and menu should be painted at a prominent place in the schools.

- Storage bins for safe storage of food grains may be provided to all schools.
- LPG connection should be provided to the schools as all the schools are using fire wood for cooking.
- Emergency numbers such as police, fire and medical should be painted on school walls on prominent places
- Health check up for Cook-cum-helper should be done at least once in 6 months.
- A simple format may be devised for keeping records of important components of MDM and these may be circulated to schools, to ease out the burden on teachers and also for uniformity of record keeping and ease of data maintenance.
- State has engaged 2 computer operators at every block level. The services of these operators should be utilized for monitoring of MDM at school level also.
- Awareness generation of Mid Day Meal Scheme may be carried out by publicity through print and electronic media and with judicious use of social media.
- At present SHGs are procuring pulses, oil, spices, pickle, papad etc. for MDM. In some schools it was informed that SHGs are reluctant to take up this job, as it is not economical for them. The JRM was informed that State Government of Chhattisgarh has developed infrastructure facilities for empowerment of women self-help groups under 'AAJIVIKA'. Women self-help groups are working in these facilities for making uniforms for school children, bags, sanitary napkins for school girls etc. State may explore the possibilities to utilize these facilities for providing pulses, oil, spices, pickle, papad etc. under MDM to schools to ensure adequate quantities as per norms and quality products, on pilot basis in 2-3 blocks.
- Kitchen garden developed by some schools should be replicated in other school wherever it can be possible.
- Cook-cum-Helpers may also be medically examined for ensuring that they are free from any contagious disease.
- Eggs /fruits or milk may be given weekly to the children.
- The observations on the quality and taste of mid day meal may be recorded in the taste register by the teacher, CCH, Parents and the community.
- Contingency Plan for handling any untoward incident may be prepared and circulated to all schools.

- Proper water supply in the toilets should be ensured to keep them neat and clean and free from the foul smell. The design of toilets may be done through a reputed institution like NIT, Raipur with emphasis on adequate ventilation and sunshine.
- Community may be motivated for participation in the supervision of preparation of mid day meal and monitoring of the scheme.
- Millets may be included in MDM menu once in a week.
- Worn out kitchen devices needs replacement.
- Training and sensitization of cook-cum-helpers and officials at different level.
- Honorarium to cook cum helper needs to be increased as it is difficult to find CCH with the present honorarium.
- Sensitization of teachers, and BEO on MDM Rules, 2015 is needed.
- Salary of computer operators working under MDM need to be increased in order to attract & retain talented persons.
- Regular monitoring of MDM by BEO, DEO to ensure quality and quantity of food served needs to be strengthened.

Table 1: Coverage Particulars for Anthropometric measurements

		Districts		Total
		Rajnandgaon	Dhamtari	
Number of Schools covered		23	22	45
No. of students covered for Anthropometry	Boys	361	391	752
	Girls	345	421	766
	Total	706	812	1518
No. of Schools covered for Institutional Diet survey		2	2	4
No of children covered for individual Diet Survey		42	45	87
No of MDM in-charge teachers interviewed		24	22	46
No of Parents interviewed		54	59	113
No of SMC Members interviewed		19	15	34
MDM Functionaries (block/district level officers) interviewed		8	7	15

No of Cook Cum Helpers (CCH) interviewed	20	19	39
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Table 2. – Particulars of schools covered

Description		Rajnandgaon (N=23)		Dhamtari (N=22)		Total	
		n	%	n	%	n	%
Location of school	Rural	22	95.6	15	68.2	37	82.2
	Urban	1	4.3	1	4.5	2	4.4
	Tribal	0	0.00	6	27.3	6	13.3
Type of school	Primary	12	52.2	13	59.1	25	55.6
	Middle	11	47.8	9	40.9	20	44.4
Year of establishment	Before 1947	2	8.7	2	9.1	4	8.9
	1948 to 2000	18	78.1	17	77.27	35	77.8
	After 2000	3	13.0	3	13.6	6	13.3
Type of Building	Pucca	23	100.0	22	100.0	45	100.0
Ownership of building	Government	23	100.0	22	100.0	45	100.0
No. of Rooms in primary schools	Less than 5	7	58.3	6	46.2	13	52.0
	5 or more	5	41.7	7	53.8	12	48.0
Rooms in MS	More than 3	11	100.0	9	100.0	20	100.0

Table3 – Infrastructure facilities in the Schools

Description	N=45	
MDM food prepared on the day of the visit as per the Menu	100	
Place of cooking	School Kitchen	100
	Centralized Kitchen	0
Drinking water facility	Within school	97.8
	Away from the school	2.2
Source of Drinking water	Tap	44.4
	Hand pump	35.6
	Bore	20.0
Availability of safe drinking water	100	
	Mud pot	13.3
	Steel Container	80.0

Container used to store the drinking water	Plastic Container	6.6
Ladle to draw drinking water from the container	Using	48.9
	Not using	51.1
Container for storing raw food	Metallic	13.3
	Plastic	8.9
	Jute bags	77.8
Place where raw food was stored	Kitchen	42.2
	Classroom	33.3
	CCH/SHG house	6.7
	Store room	17.8
No of schools with full feeding days in the previous one month		100
Involvement of teacher in the MDM activities		
In supervising food preparation		93.3
In supervising the orderly distribution		80.0
Tasting the MDM food before serving		95.6
In maintenance of MDM records		97.8
Time spent approximately by teacher on MDM activity per day	15 minutes	42.2
	30 minutes	51.1
	45 minutes	2.2
	1 hour	4.4
Teachers who felt MDM affects their teaching activities		20.0
Regular fund flow		100
Availability of Facilities		
Kitchen		97.8
Sufficiency of plates for Eating		93.3
Hand washing facilities		82.2
Availability of Soap for hand wash		77.8
Toilets		91.1
Separate toilets for girls		88.9
Dining hall		17.8
Kitchen garden		42.2
Fire extinguisher		33.3
First aid kit		80.0
Display of essential information at schools		
Entitlements of Children		44.4
MDM Logo		60.0
Menu		80.0
Telephone number of PHC		44.4
Telephone number of Fire services		37.8
Telephone number of police		35.6

Table 4.1: Mean Consumption of Foodstuffs (g/student/day) of school children in Rajnandgaon and Dhamtari districts through Mid Day Meal: Institutional diet surveys

Food Stuffs	Primary Children	Upper Primary Children
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	MDM Norms (g)	Actual Intake per child (g)	MDM Norms (g)	Actual Intake per child (g)
Cereals (g)	100	88.2	150	103.3
Pulses (g)	20	18.3	30	19.3
Fat & Oils (g)	5	2.3	7.5	4.3
Vegetables	50	37.4	75	65.3

Table 4.2: Average intake of Nutrients (per child /day) through MDM meal among the school children in Rajnandgaon and Dhamtari districts: Institutional diet survey

Nutrient intake through MDM	Energy (K cal)	Protein (g)	Fat (g)	Calcium (mg)	Iron (mg)	Vit A (µg)	Thiamine (mg)	Riboflavin (mg)	Niacin (mg)	Vitamin C (mg)	Total folate (µg)
Primary	420.3	11.8	3.9	31.3	1.7	7.7	0.2	0.1	2.2	9.3	43.9
Recommended through MDM	450	12	-	-	-	-	-	-	-	-	-
Secondary	511	14.2	5.4	49.1	2.2	21.2	0.3	0.2	2.8	17.0	51.6
Recommended through MDM	700	20	-	-	-	-	-	-	-	-	-

Table 5.1: Average intakes of Food stuffs (g/student/day) by school children in the Rajnandgaon and Dhamtari district through MDM meal: Actual consumption (Plate and food weights)

Food Stuffs	Primary Children	Upper Primary Children
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	MDM Norms (g)	Actual Intake (g)	MDM Norms (g)	Actual Intake (g)
Cereals	100	93.3	150	107.3
Pulses	20	19.7	30	28.2
Fat & Oils	5	2.1	7.5	4.2
Vegetables	50	33.3	75	59.6

Table 5.2: Average intake of Nutrients (per child/day) through MDM meal among school children in the district of Rajnandgaon and Dhamtari district: Actual consumption (Plate and food weights)

Nutrient intake through MDM	Energy (Kcal)	Protein(g)	Fat (g)	Calcium (mg)	Iron (mg)	Vit A (µg)	Thiamine (mg)	Riboflavin (mg)	Niacin (mg)	Vitamin C (mg)	Total folate (µg)
Primary	437.4	11.8	3.1	31.6	1.8	7.8	0.2	0.1	2.3	9.2	41.9
Recommended through MDM	450	12	-	-	-	-	-	-	-	-	-
Secondary	550	16.2	5.5	52.4	2.5	21.2	0.3	0.2	3.0	15.2	59.2
Recommended through MDM	700	20	-	-	-	-	-	-	-	-	-

Table 6.1: Average intake of Foodstuffs (g/child/day) by school children in the districts of Raipur, Chhattisgarh through Mid Day Meal: Inventory method at Centralized kitchen (supervisory feed)

Food Stuffs	Average Food Norms for P&UP (g/ml)	Institutional Individual Intake(g/ml)	Deficit/Excess (g/ml)
Cereals	125	66.9	-58.1
Pulses	30	14.6	-15.4
Fat & Oils	6.3	2.4	-3.9

Table 6.2 Average intake of Nutrients (per child/day) by school children in the districts of Raipur, Chhattisgarh through Mid Day Meal: Inventory method at Centralized kitchen.

Nutrient intake through MDM	Energy (Kcal)	Protein(g)	Fat (g)	Calcium (mg)	Iron (mg)	Vit A (µg)	Thiamine (mg)	Riboflavin (mg)	Niacin (mg)	Vitamin C (mg)	Total folate (µg)
Rice	238.2	5.3	0.3	5.0	0.5	0	0.07	0.07	1.14	0	6.22
Dhal	48.3	3.2	0.2	10.5	0.6	2.3	0.07	0.01	0.31	0	15.8
Oil	21.6	-	2.4	-	-	-	-	-	-	-	-
Total	308.1	8.5	2.9	15.5	1.1	2.3	0.14	0.08	1.45	0	22.02
Recommended through MDM (Average value of primary and secondary)	575	16	-	-	-	-	-	-	-	-	-

Table 7 Menu of MDM in Chhattisgarh

Week	Menu
Monday	Rice + Dhal + Sabji
Tuesday	Rice + Dhal + Sabji
Wednesday	Rice + Dhal + Sabji
Thursday	Rice + Dhal + Sabji
Friday	Rice + Dhal + Sabji
Saturday	Rice + Dhal + Sabji+Sweet

Table 8: Level of satisfaction of school children (class 6th to 8th) about the food stuffs served in MDM

Menu	Level of Satisfaction	Food stuffs served (N=24)			
		Rice	Dhal	Sabji	Papad
Appearance	Good/very good	100	91.7	8.3	100
	Satisfactory	0	8.3	91.7	0
Colour	Good Good/very good	100	91.7	20.8	100
	Satisfactory	0	8.3	79.2	0
Odour/Aroma	Good	100	75.0	8.3	100
	Satisfactory	0	25	91.7	0
Texture	Good Good/very good	100	91.7	4.2	100
	Satisfactory	0	8.3	95.8	0
Taste	Good Good/very good	100	91.7	12.5	100
	Satisfactory	0	8.3	87.5	0
Overall Palatability	Good	100	95.8	8.3	100
	Satisfactory	0	4.2	91.7	0

Table 9: Hygiene Practices of Students

SL No	About MDM	Per cent
1	Sufficiency of food served	86.7
2.	Knowledge about MDM menu	91.7
3.	Do you get food as per menu	98.8
4.	Hand wash practice before taking the food	96.8
5.	Washing of plates and glasses before taking the food	96.8
6.	Hand washing after defecation	87.5
7.	Regular nail cutting	79.2
8.	Brushing teeth with Brush	91.7
9.	Daily bathing	91.5
10.	Wearing washed clothes daily	86.5
11.	Satisfied with the MDM menu	92.6

Table 10: Mean and SD of different Anthropometric Measurements by Age and Gender

Boys							Age Groups (Yrs)	Girls						
N	Height		Weight		MUAC			N	Height		Weight		MUAC	
	Mean (Cm)	SD	Mean (Kg)	SD	Mean (Cm)	SD			Mean (Cm)	SD	Mean (Kg)	SD	Mean (Cm)	SD
25	107.9	3.6	16.2	1.6	15.1	1.4	5	27	109.6	4.3	16.5	2.0	15.1	0.9
95	111.1	4.4	17.3	2.0	14.9	1.0	6	89	111.1	5.7	17.3	2.6	15.2	1.2
96	116.2	5.4	19.1	2.2	15.4	1.0	7	108	116.6	4.6	18.7	2.2	15.5	1.1
106	122.1	4.5	21.0	2.3	15.9	1.1	8	100	123.0	5.3	21.5	3.4	16.3	1.5
104	127.4	6.2	23.8	4.0	16.9	1.5	9	106	126.7	5.5	23.8	4.2	17.2	1.8
86	131.8	5.6	25.2	3.4	17.3	1.4	10	87	133.6	5.5	26.7	4.9	17.8	2.0
84	137.8	5.4	29.5	4.6	18.4	1.9	11	98	138.3	6.5	30.1	5.2	18.5	1.7
73	142.1	6.9	32.5	6.4	19.0	2.3	12	73	144.7	6.3	34.9	6.3	19.7	2.1
75	147.5	7.4	35.4	5.7	19.7	1.9	13	66	148.3	6.3	38.2	5.2	20.8	1.8
4	149.0	15.7	38.1	9.8	20.4	3.0	14	11	148.0	4.4	40.3	7.6	21.2	3.2
4	151.2	7.3	39.8	6.3	21.7	2.7	15	1	150.3	-	38.8	-	20.2	-
426	118.8	8.3	20.1	3.7	15.8	1.4	5-10	430	119.0	8.1	20.2	4.1	16.0	1.6
322	139.6	8.7	30.5	6.4	18.6	2.1	11-15	335	140.8	8.3	32.2	7.0	19.1	2.6
752	127.8	13.4	24.7	7.3	17.0	2.3	Total	766	128.6	13.5	25.5	8.	17.4	2.5

Table 11: Distribution of School Children (%) by Nutritional Status (Stunting - Height /Age)

Districts	Age Group (Yrs)	Gender	Severely Stunted (< -3SD)		Moderately Stunted (-2SD to -3SD)		Normal (> -2 SD)		Overall Stunting (Median < -2SD)	
			N	%	N	%	N	%	N	%
Rajnandgaon	5-10	Boys	5	2.4	47	22.5	157	75.1	52	24.9
		Girls	4	2.0	29	14.4	168	83.6	33	16.4
		Pooled	9	2.2	76	18.5	325	79.3	85	20.7
	11-15	Boys	5	3.3	27	17.9	119	78.8	32	21.2
		Girls	5	3.5	32	22.4	106	74.1	37	25.9
		Pooled	10	3.4	59	20.1	225	76.5	69	23.5
	District Pooled	Boys	10	2.8	74	20.5	276	76.7	84	23.3
		Girls	9	2.6	61	17.7	274	79.7	70	20.3
		Pooled	19	2.7	135	19.1	550	78.2	154	21.8
Dhamtari	5-10	Boys	6	2.8	35	16.1	176	81.1	41	18.9
		Girls	3	1.3	42	18.3	184	80.4	45	19.6
		Pooled	9	2.0	77	17.3	360	80.7	86	19.3
	11-15	Boys	3	1.8	36	21.1	132	77.1	39	22.9
		Girls	6	3.1	39	20.3	147	76.6	45	23.4
		Pooled	9	2.5	75	20.7	279	76.8	84	23.2
	District Pooled	Boys	9	2.6	73	18.7	308	78.7	82	21.3
		Girls	9	2.1	81	19.2	331	78.7	90	21.3
		Pooled	18	2.3	154	19.0	639	78.7	172	21.3
Districts Pooled	5-10	Boys	11	2.6	82	19.2	333	78.2	93	21.8
		Girls	7	1.6	71	16.5	352	81.9	78	18.1
		Pooled	18	2.1	153	17.9	685	80.0	171	20.0
	11-15	Boys	8	2.5	63	19.6	251	78.0	71	22.1
		Girls	11	3.3	71	21.2	253	75.5	82	24.5
		Pooled	19	2.9	134	20.4	504	76.7	153	23.3
	Districts Pooled	Boys	19	2.7	145	19.5	584	77.8	164	22.2
		Girls	18	2.3	142	18.5	605	79.1	160	20.8
		Pooled	37	2.5	287	19.0	1189	78.5	324	21.5

Table 12: Distribution of School Children (%) by Nutritional Status (BMI Z Scores)

Districts	Age Group (Yrs)	Gender	Severe Thinness (< -3SD)		Moderate Thinness (-2SD to -3SD)		Normal (> -2 SD to +1SD)		OW & Obesity (> +1 SD)	
			N	%	N	%	N	%	N	%
Rajnandgaon	5-10	Boys	10	4.8	41	19.6	153	73.2	5	2.4
		Girls	8	4.0	32	15.9	158	78.6	3	1.5
		Pooled	18	4.4	73	17.8	311	75.9	8	2.0
	11-15	Boys	16	10.6	37	24.5	95	62.9	3	2.0
		Girls	5	3.5	28	19.6	105	73.4	5	3.5
		Pooled	21	7.1	65	22.1	200	68.0	8	2.7
	District Pooled	Boys	26	7.2	78	21.7	248	68.9	8	2.2
		Girls	13	3.8	60	17.4	263	76.5	8	2.3
		Pooled	39	5.5	138	19.6	511	72.6	16	2.3
Dhamtari	5-10	Boys	9	4.1	35	16.1	170	78.3	3	1.4
		Girls	6	2.6	30	13.1	188	82.1	5	2.2
		Pooled	15	3.4	65	14.6	358	80.3	8	1.8
	11-15	Boys	9	5.3	26	15.2	129	75.4	7	4.1
		Girls	8	4.2	26	13.5	149	77.6	9	4.7
		Pooled	17	4.7	52	14.3	278	76.6	16	4.4
	District Pooled	Boys	18	4.6	61	15.7	299	77.1	10	2.6
		Girls	14	3.3	56	13.3	337	80.0	14	3.3
		Pooled	32	4.0	117	14.5	636	78.6	24	3.0
Districts Pooled	5-10	Boys	19	4.5	76	17.8	323	75.8	8	1.9
		Girls	14	3.3	62	14.4	346	80.5	8	1.9
		Pooled	33	3.9	138	16.1	669	78.2	16	1.9
	11-15	Boys	25	7.8	63	19.6	224	69.6	10	3.1
		Girls	13	3.9	54	16.1	254	75.8	14	4.2
		Pooled	38	5.8	117	17.8	478	72.8	24	3.7
	Districts Pooled	Boys	44	5.9	139	18.6	547	73.1	18	2.4
		Girls	27	3.5	116	15.2	600	78.4	22	2.9
		Pooled	71	4.7	255	16.9	1147	75.8	40	2.6

Table 13: Prevalence (%) of Nutritional Deficiency Signs *

	Rajnandgaon			Dhamtari			Districts Pooled		
	Boys (N= 361)	Girls (N= 345)	Pooled (N= 706)	Boys (N= 391)	Girls (N= 421)	Pooled (N= 812)	Boys (N= 752)	Girls (N= 766)	Pooled (N= 1518)
NAD	93.9	90.4	92.2	92.1	92.2	92.1	92.9	91.4	92.2
Conjunctival Xerosis	0.8	0.0	0.4	0.3	1.0	0.6	0.5	0.5	0.5
Bitot's Spots	0.6	0.0	0.3	0.0	1.0	0.5	0.3	0.5	0.4
Angular Stomatitis	0.8	0.9	0.9	3.1	0.2	1.6	2.0	0.5	1.3
Dental caries	2.8	4.1	3.4	4.1	2.4	3.2	3.5	3.1	3.3
Dental Fluorosis	0.3	0.6	0.4	0.3	0.5	0.4	0.3	0.5	0.4
Phrynoderma	0.6	0.3	0.4	0.3	0.0	0.1	0.4	0.1	0.3
Palpable Goitre	1.7	3.5	2.6	1.0	3.3	2.2	1.3	3.4	2.4
Visible Goitre	0.0	0.9	0.4	0.0	0.7	0.4	0.0	0.8	0.4
Children with at least one Nutritional Deficiency Sign	6.1	9.6	7.8	7.9	7.8	7.9	7.1	8.6	7.8

*Multiple Answers

Table 14 Knowledge and perceptions of Teachers/In-charges of MDM

Variables	Education	Rajnandgao n (n=24)	Dhamtari (n=22)	Pooled (n=46)
Age Group	30-39 Yrs	29.2	40.9	34.7
	40-49 Yrs	25.0	31.8	28.3
	50-59 Yrs	45.8	27.3	37.0
Education	Intermediate	-	-	-
	Inter & TTC	16.6	-	8.7
	Graduate	8.3	4.5	6.5
	Graduate &B. Ed	12.5	4.5	8.7
	Post Graduate	54.2	81.8	67.4
	PG &B. Ed	8.3	9.1	8.7
Objectives of MDM	All objectives	4.1	0	2.1
	At least 4 objectives	12.5	18.2	13.0
	At least 3 objectives	50.0	36.4	45.6
	At least 2 objectives	50.0	36.4	47.8
	At least 1 objective	91.6	90.9	91.3
Supervision by	Inspector	-	9.1	4.3
	Block education Officer	25.0	22.7	21.7
	DEO	8.3	-	4.3
	Local committee	70.8	50.0	60.8
	Others (CAC, ABO)	16.6	77.3	45.0
Activities undertaken during supervision	Verification of records	41.6	45.4	43.4
	Identify problems & solve it	20.8	9.1	15.7
	Community mobilization	-	9.1	4.3
	Check hygiene	62.5	68.2	65.2
	Check cooked foods	91.6	63.6	78.2
	Others (cleaning, tasting)	41.6	40.1	41.3

Suggestions	Regular supply of food grains	8.3	-	4.2
	Increase contingency	8.3	36.4	21.7
	Increase honorarium for cook	16.6	40.9	28.2
	Change menu	8.3	9.0	8.6
	Others (fruits)	20.8	-	10.8

Table -15. Knowledge, perception of parents about MDM

No. Parents interviewed	Rajnandgaon	Dhamtari	Pooled
N	54	59	113
Age years	(%)	(%)	(%)
<40	27 (50)	33 (55.9)	60 (53.1)
>=40	27 (50)	26 (44.1)	53 (46.9)
Education of parents			
Illiterate	9 (16.7)	15 (25.4)	24 (21.2)
Primary	13(24.1)	16 (27.1)	29 (25.7)
Middle	18 (33.3)	14 (23.7)	32 (28.3)
High School	7 (13.0)	9 (15.2)	16 (14.2)
HSSC	4 (7.4)	2 (3.4)	6 (5.3)
Graduation & above	3 (5.6)	3 (5.1)	6 (5.3)
MDM beneficial			
Yes	54 (100)	59 (100)	113 (100)
Benefit for			
Increase enrollment	10 (18.5)	1 (1.7)	11 (9.7)
Increase Attendance	18 (33.3)	6 (10.2)	24 (21.1)
Reduce drop out	3 (5.6)	2 (3.4)	5 (4.4)
Improve health & Nutritional status	18 (33.3)	19 (32.2)	37 (32.7)
Provide additional food	34 (62.9)	49 (83.1)	83 (73.5)
Increase scholastic performance	8 (14.8)	6 (10.2)	14 (12.4)
Child Participate in MDM			
Yes	54 (100)	59 (100)	113 (100)
Child like the test	54 (100)	59 (100)	113 (100)
Food served is sufficient	54 (100)	59 (100)	113 (100)
No. of meals by children at home			
Two	31 (57.4)	45 (76.3)	86 (76.1)
Three	23 (42.6)	14 (23.7)	37 (32.7)

Changes observed in children			
Nutrition Status improved	12 (22.2)	17 (28.8)	29 (25.7)
Health Status improved	17 (31.5)	23 (39)	40 (35.4)
Regularity to school	7(13)	4 (6.8)	11 (9.7)
School performance improved	10 (18.5)	16 (27.1)	26 (23)
No change	35 (64.8)	28 (47.5)	63 (55.8)
SMC committee in the village	43 (79.6)	52 (88.1)	95 (84.1)
Member of committee			
Yes	17 (31.5)	20 (33.9)	37 (32.7)
Suggestions for improvement of MDM			
Change menu	3 (5.6)	1 (1.7)	4 (3.5)
Add milk	18 (33.3)	7 (11.9)	25 (22.1)
Add egg/fruits	10 (18.5)	27 (45.8)	37 (32.7)

Table 16: Knowledge and Perceptions of supervisory level functionaries

Particulars	Particulars	Assist. Director, DEO, BEO	Asst. BEO	CAC	All together
		(N=5)	(N=4)	(N=7)	(N=15)
Education	Graduate	-	-	1	6.6
	Post Graduate	4	4	6	93.4
Knowledge on Objectives	All objectives	nil	nil	nil	NIL
	At least 4 objectives	3	2	3	6.7
	At least 3 objectives	2	3	4	53.3
	At least 2 objectives	2	3	5	73.3
Activities during supervision	Verification of records	3	2	4	60.0
	Identify problems & solve it	2	-	1	20.0
	Check hygiene	3	4	3	13.3
	Check cooked foods	4	3	7	66.7
	Others (stock, attendance)		3	4	93.3

Perception of the functionaries on the success of MDM	Improve nutritional & health status of children	3	2	5	60.0
	Improve enrollment and attendance of children	3	3	3	66.7
	Decrease drop out	4	3	5	73.3
	Increased scholastic performance	1	3	2	46.6
Suggestions to improve MDM	Develop kitchen garden	1	1		26.6
	Increase honorarium	1		1	26.6
	Add egg/milk	1			13.3
	SHG training	1	2	1	13.3

Table 17: Knowledge and Perceptions of SMC Members on MDM

		N=34
Gender	Male	73.5
	Female	26.5
Education Status	Primary	17.6
	Middle	41.2
	SSC	14.7
	Senior Secondary	14.7
	Graduate & above	11.7
Correct awareness about the food entitlements of MDM	Cereals	20.4
	Pulses	0
	Vegetables	5.8
	Oil	0
As SMC member....	Attending the SMC meeting regularly	55.8
	Monitor the fund flow	5.8
	In resolving the school problems	5.8

	Check the process of MDM	5.8
	Taste the MDM food before serving	8.8
Effect of MDM	Regularity of Attendance	100
	Concentration on studies	82.3
	Activity status of children	82.3
	Reduce school dropouts	55.8
Mobilizing the community in donating cash/kind to MDM		14.7

Table 18: Knowledge and Perceptions of Cook Cum Helpers (CCH) on MDM

		(N-39)
Qualification of the CCH	Illiterate	30.8
	Primary	38.5
	Middle	25.6
	Metric	7.7
Total Service as CCH	< 10 Years	46.2
	10-20 Years	53.8
	≥ 20 Years	2.6
No of CC Helpers tasting the cooked food		100
No of CC Helpers undergone Health check-up at School		23.1
No of CC Helpers wear aprons/head caps during cooking		0
No CC Helpers undergone training on food safety and Hygiene		48.7
Cleanliness of the CCH	Good	66.7
	Satisfactory	33.3
Cleanliness of the kitchen	Good	76.9
	satisfactory	15.4
	Bad	7.7
Cleanliness of Utensils	Good	76.9
	Satisfactory	23.1

Table 19: Observation of cooking process on the day of visit to the schools and availability infrastructure in the kitchen

		Percentage (n-38)	
Rice	Quality	Good	78.9
		Satisfactory	21.1
	Sieving (Cleaning)		100
	Washing before cooking		100
	Removal <i>Kanji</i>		100
Cooking with lid		94.7	
Dhal	Quality	Good	71.1
		Satisfactory	26.2
	Sieving (Cleaning)		100
	Washing before cooking		94.7
Cooking with lid		92.1	
Vegetables	Quality	Good	86.8
		Satisfactory	13.2
	Washing before cooking		100
	Washing after cutting		86.8
	Cooking with lid		94.7
Cutting in to big pieces		76.3	
No of schools in which GLV was cooked on the day of visit		60.5	
Hand washing of cooks before cooking the food		100	
Kitchen facility at the school	Open	21.0	
	Closed	79.0	
Washing of vessels before cooking		100	
Sufficiency of vessels for cooking		78.9	
Using Standard vessel for measuring the ration		100	

Type of cooking fuel used	LPG	10.5	
	Fire wood	89.5	
Iodised salt used for cooking		100	
Closed container used for storage of Iodised salt		100	
Storage room facility	Having store room	17.8	
	Having dunnage facility	28.9	
	Ventilation of store room	Good	31.6
		Satisfactory	50.0
Bad		18.4	
Presence of insects in the store room		13.2	
Insecticidal measures followed		2.6	

Suggested Recipe

1.1 Vegetable biryani + mixed vegetable sabji+ milk (Primary)

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Rice	100	356.0	7.9	0.5
Peas	20	18.6	1.5	0.0
Beans	2.5	1.1	0.1	0.0
Potato	2.5	1.7	0.0	0.0
Onions	2.5	1.4	0.0	0.0
Carrot	2.5	0.8	0.0	0.0
cauliflower/Broccoli	2.5	0.6	0.1	0.0
Onion	5.0	2.9	0.1	0.0
Oil	2.5	22.5	0.0	2.5
Coriander leaves	0.3	0.2	0.0	0.0
curry leaves	0.3	0.3	0.0	0.0
Asofoetida	0.1	0.3	0.0	0.0
cumin seeds	0.3	0.8	0.0	0.0
mustard seeds	0.3	1.3	0.0	0.1
fenugreek seeds	0.3	0.6	0.1	0.0
Total		409	9.8	3.2

Potato	20	13.6	0.3	0.0
Cauliflower	5	1.2	0.1	0.0
Fenugreek leaves	5	1.7	0.2	0.0
Onions	5	2.9	0.1	0.0
Tomato	5	1.0	0.0	0.0
Oil	2.5	27.0	0.0	3.0
Coriander leaves	0.3	0.2	0.0	0.0
curry leaves	0.3	0.3	0.0	0.0
Asofoetida	0.1	0.3	0.0	0.0
cumin seeds	0.3	0.8	0.0	0.0
mustard seeds	0.3	1.3	0.0	0.1
fenugreek seeds	0.3	0.6	0.1	0.0
Total		50.7	0.9	3.3
Milk	100	107.0	3.7	6.6
Grand total		566.7	14.5	13.1

1.2 Vegetable biryani + mixed vegetable sabji+ Milk (Secondary)

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Rice	150.0	534.0	11.9	0.8
Peas	30.0	27.9	2.2	0.0
Beans	2.5	1.1	0.1	0.0
Potato	2.5	1.7	0.0	0.0
Onions	2.5	1.4	0.0	0.0
Carrot	2.5	0.8	0.0	0.0
cauliflower/Broccoli	2.5	0.6	0.1	0.0
Onion	5.0	2.9	0.1	0.0
Oil	4.0	36.0	0.0	4.0
Coriander leaves	0.4	0.2	0.0	0.0
curry leaves	0.4	0.5	0.0	0.0
Asofoetida	0.2	0.7	0.0	0.0
cumin seeds	0.4	1.1	0.0	0.1
mustard seeds	0.4	1.8	0.1	0.1
fenugreek seeds	0.4	0.8	0.1	0.0
Total		611.4	14.6	5.1
Potato	30.0	20.4	0.5	0.1
Cauliflower	10.0	2.3	0.2	0.0

Fenugreek leaves	10.0	3.4	0.4	0.1
Onions	7.5	4.3	0.1	0.0
Tomato	7.5	1.5	0.1	0.0
Oil	4.0	36.0	0.0	4.0
Coriander leaves	0.4	0.2	0.0	0.0
curry leaves	0.4	0.5	0.0	0.0
Asofoetida	0.2	0.7	0.0	0.0
cumin seeds	0.4	1.1	0.0	0.1
mustard seeds	0.4	1.8	0.1	0.1
fenugreek seeds	0.4	0.8	0.1	0.0
Total		72.9	1.5	4.5
Milk		107.0	3.7	6.6
Grand total		791.3	19.8	16.1

2.1 Roti + Dhal+GLVSabji + Boiled EGG(Primary)

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Roti				
Wheat flour	100	320	10.6	1.5
Dhal				
Red gram dhal	20	66.2	4.3	0.3
turmeric	0.2	0.6	0.0	0.0
cumin seeds	0.2	0.6	0.0	0.0
Rcp	0.5	1.2	0.1	0.0
oil	2.5	22.5	0.0	2.5
GLV curry				
Spinach/local available Glv	10	2.4	0.2	0.1
Potato	10	6.8	0.2	0.0
Cauliflower	10	2.3	0.2	0.0
Cabbage	10	2.2	0.1	0.0
Onion	5	3.4	0.1	0.0
Tomato	5	1.0	0.1	0.0
Oil	5	45.0	0.0	5.0
Coriander leaves	0.25	0.2	0.0	0.0
Curry leaves	0.25	0.3	0.0	0.0
Asafoetida	0.1	0.3	0.0	0.0

Cumin seeds	0.25	0.8	0.0	0.0
Mustard seeds	0.25	1.3	0.1	0.1
Fenugreek seeds	0.25	0.6	0.1	0.0
Total		477.6	16.1	9.7
EGG		59.4	5.9	4.1

2.2 Roti +Dhal+Sabji +EGG (Secondary)

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Roti				
Wheat flour	150	480	15.9	2.25
Dhal				
Red gram dhal	30	99.3	6.5	0.5
Turmeric	0.3	0.8	0.0	0.0
Cumin seeds	0.3	0.9	0.0	0.0
Rcp	0.5	1.2	0.1	0.0
Oil	3.8	34.2	0.0	3.8
GLV sabji				
Spinach/local available glv	20	4.8	0.4	0.1
Potato	20	13.6	0.3	0.0
Cauliflower	10	2.3	0.2	0.0
Cabbage	10	2.2	0.1	0.0
Onion	8	5.4	0.1	0.0
Tomato	8	1.6	0.1	0.0
Oil	7.5	67.5	0.0	7.5
Coriander leaves	0.35	0.2	0.0	0.0
Curry leaves	0.35	0.5	0.0	0.0
Asafoetida	0.2	0.7	0.0	0.0
Cumin seeds	0.35	1.1	0.1	0.1
Mustard seeds	0.35	1.8	0.1	0.1
Fenugreek seeds	0.35	0.8	0.1	0.0
Total		718.9	24.1	14.6
EGG		59.4	5.9	4.1

3.1 Palak/mint Rice + Milk: Primary

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Rice	100	356.0	7.9	0.5
Spinach/mint	20	4.8	0.4	0.1
Potato	10	6.8	0.2	0.0
Beans	10	4.3	0.3	0.1
soya bean	20	75.8	7.3	3.9
Onions	5	2.9	0.1	0.0
Tomato	5	1.0	0.1	0.0
Oil	5	45.0	0.0	5.0
Coriander leaves	0.25	0.2	0.0	0.0
curry leaves	0.25	0.3	0.0	0.0
Asafoetida	0.1	0.3	0.0	0.0
cumin seeds	0.25	0.8	0.0	0.0
mustard seeds	0.25	1.3	0.1	0.1
fenugreek seeds	0.25	0.6	0.1	0.0
		500.0	16.4	5.9
Milk		107.0	3.7	6.6
Grand Total		606.9	20.1	12.5

3.2 Palak Rice + Milk: Secondary

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Rice	150	534.0	11.9	0.8
Spinach	25	6.0	0.5	0.2
Potato	20	13.6	0.3	0.0
Beans	15	6.5	0.4	0.2
soya bean	30	113.7	11.0	1.6
Onions	7.5	4.3	0.1	0.0
Tomato	7.5	1.5	0.1	0.0
Oil	7.5	67.5	0.0	7.5
Coriander leaves	0.35	0.2	0.0	0.0
curry leaves	0.35	0.5	0.0	0.0
Asafoetida	0.2	0.7	0.0	0.0
cumin seeds	0.35	1.1	0.0	0.1
mustard seeds	0.35	1.8	0.1	0.1

fenugreek seeds	0.35	0.8	0.1	0.0
Total		752.0	24.6	10.5
Milk		107.0	3.7	6.6
Grand Total		859.0	28.3	17.1

4.1 Rice flakes /broken wheat upma with vegetables (Primary)

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Riceflakes	100.0	354.0	7.4	1.1
beans	11.8	5.1	0.3	0.1
Potato	4.8	3.3	0.1	0.0
Tomato	2.6	0.5	0.0	0.0
Turmeric	0.1	0.4	0.0	0.0
Cumin	0.1	0.2	0.0	0.0
Ginger	0.1	0.0	0.0	0.0
Onion	1.5	0.9	0.0	0.0
Garlic	0.1	0.1	0.0	0.0
G.chilles	0.5	0.2	0.0	0.0
Salt	0.7	0.0	0.0	0.0
Oil	1.3	11.6	0.0	1.3
Dhal				
Red gram dhal	12.0	39.7	2.6	0.2
Tomato	25.0	5.0	0.2	0.1
Onion	13.0	7.4	0.2	0.0
Rcp	0.2	0.6	0.0	0.0
Turmeric	0.1	0.2	0.0	0.0
Ginger	0.1	0.0	0.0	0.0
Garlic	0.0	0.1	0.0	0.0
Curry leaves	0.0	0.0	0.0	0.0
Coriander leaves	0.1	0.1	0.0	0.0
Tamarind	0.1	0.3	0.0	0.0
Salt	2.0	0.0	0.0	0.0
Oil	10.0	90.0	0.0	10.0
Grand Total		519.7	11.0	12.9

4.12 Rice flakes /broken wheat upma with vegetables (Secondary)

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Riceflakes	150.0	531.0	11.1	1.7
beans	20.0	8.6	0.6	0.2
Potato	5.0	3.4	0.1	0.0
Tomato	8.0	1.6	0.1	0.0
Broad Beans	15.0	4.4	0.6	0.0
Turmeric	0.1	0.4	0.0	0.0
Cumin	0.1	0.2	0.0	0.0
Ginger	0.1	0.0	0.0	0.0
Onion	1.5	0.9	0.0	0.0
Garlic	0.1	0.1	0.0	0.0
G.chilles	0.5	0.2	0.0	0.0
Salt	0.7	0.0	0.0	0.0
Oil	1.3	11.6	0.0	1.3
Dhal				
Red gram dhal	30.0	99.3	6.5	0.5
Tomato	25.0	5.0	0.2	0.1
Onion	13.0	7.4	0.2	0.0
Rcp	0.2	0.6	0.0	0.0
Turmeric	0.1	0.2	0.0	0.0
Ginger	0.1	0.0	0.0	0.0
Garlic	0.0	0.1	0.0	0.0
Curry leaves	0.0	0.0	0.0	0.0
Coriander leaves	0.1	0.1	0.0	0.0
Tamarind	0.1	0.3	0.0	0.0
Salt	2.0	0.0	0.0	0.0
Oil	10.0	90.0	0.0	10.0
Grand Total		765.1	19.5	13.9

5.1 Sambhar rice + Groundnut ladoo-Primary

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Rice	100	356.0	7.9	0.5
Red gram dhal	15	49.7	3.3	0.2
Drumstick	10	2.9	0.3	0.0
Ladies finger	10	2.7	0.2	0.0
Bottle gourd	10	1.2	0.1	0.0
Raddish	10	3.2	0.1	0.0
Onion	5	2.9	0.1	0.0
Tomato	5	1.0	0.0	0.0
Oil	4	36.0	0.0	4.0
Coriander leaves	0.2	0.2	0.0	0.0
Curry leaves	0.1	0.3	0.0	0.0
Asofoetida	0.1	0.3	0.0	0.0
Cumin seeds	0.1	0.8	0.0	0.0
Mustard seeds	0.1	1.3	0.0	0.1
Fenugreek seeds	0.1	0.6	0.1	0.0
Total		458.9	12.1	5.0
Groundnut ladoo				
Groundnut	20	104.0	4.7	7.9
jaggery	10	35.4	0.2	0.0
Oil	2	9.0	0.0	1.0
Total		148.4	4.9	8.9
Grand Total		607.3	17.0	13.9

5.2 . Dhal rice (sambharrice) + Groundnut ladoo-Secondary

Ingredients	Quantity (g)	Energy (Kcal)	Protein (g)	Fat (g)
Rice	150	445	9.88	0.63
Red gram dhal	25	82.8	5.4	0.4
Drumstick	15	4.4	0.4	0.0
Ladies finger	15	4.1	0.3	0.0
Bottle gourd	15	1.8	0.1	0.0
Raddish	15	4.8	0.1	0.0
Onion	5	2.9	0.1	0.0
Tomato	5	1.0	0.0	0.0
Oil	6	54.0	0.0	6.0

Coriander leaves	1	0.3	0.0	0.0
Curry leaves	1	0.7	0.0	0.0
Asofoetida	0.1	0.7	0.0	0.0
Cumin seeds	0.1	1.2	0.1	0.1
Mustard seeds	0.1	2.0	0.1	0.2
Fenugreek seeds	0.1	0.9	0.1	0.0
Total		606.4	16.6	7.4
Groundnut laddoo				
Groundnut	30	153.0	5.9	12.1
Jaggery	15	53.1	0.3	0.0
Oil	2	18.0	0.0	2.0
Total		224.1	6.1	14.1
Grand Total		830.5	22.8	21.5



Dinesh Pradhan
(Member)


P. Raghavendra
(Member)


Bhupendra Kumar
(Member)


S. Prakash
(Member)


G. Vijaya Bhaskar
(Member)


I. I. Meshram 9.12.19
(Team Leader)

Annexures

Annexure -I

Visited School Details						
Sl.	District	Block	School	School Type	Category	Enrolment
1	Rajnandgaon	Dongargaon	Primary School Tumdiboard	Co-education	Primary	91
2	Rajnandgaon	Dongargaon	MS Tumdiboard	Co-education	U. Primary	119
3	Rajnandgaon	Dongargaon	P. S. Pendarwani	Co-education	Primary	114
4	Rajnandgaon	Dongargaon	Middle School Pendarwani	Co-education	U. Primary	70
5	Rajnandgaon	Dongargaon	P. S. Bejevanda	Co-education	Primary	84
6	Rajnandgaon	Dongargaon	Middle School Margaon	Co-education	U. Primary	99
7	Rajnandgaon	Dongargaon	P.S. Margaon	Co-education	Primary	173
8	Rajnandgaon	Dongargaon	P.S. Girgaon	Co-education	Primary	93
9	Rajnandgaon	Dongargaon	P.S. Mahulhippodi	Co-education	Primary	21
10	Rajnandgaon	Dongargaon	P.S. Gatatola	Co-education	Primary	71
11	Rajnandgaon	Dungargarh	PS Hirapur	Co-education	Primary	35
12	Rajnandgaon	Dungargarh	Middle school Motipur	Co-education	U. Primary	72
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	Co-education	U. Primary	53
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	Co-education	U. Primary	101
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	Co-education	U. Primary	110
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	Co-education	Primary	158
17	Rajnandgaon	Khairagarh	Middle school baldevpur	Co-education	U. Primary	86
18	Rajnandgaon	Khairagarh	Middle school Amlipara	Co-education	U. Primary	68
19	Rajnandgaon	Churiya	P.S Pinkapar	Co-education	Primary	114
20	Rajnandgaon	Churiya	Middle School Pinkapar	Co-education	U. Primary	177
21	Rajnandgaon	Churiya	Middle School Lalutola	Co-education	U. Primary	57
22	Rajnandgaon	Churiya	P.S Lalutola	Co-education	Primary	73
23	Rajnandgaon	Churiya	P.S. Rajnitola	Co-education	Primary	31
24	Rajnandgaon	Churiya	P.S. Chircharli	Co-education	Primary	88
25	Rajnandgaon	Churiya	Middle School Chirchari	Co-education	U. Primary	70

Visited School Details						
Sl.	District	Block	School	School Type	Category	Enrolment
26	Rajnandgaon	Churiya	P.S. Telinbandha	Co-education	Primary	138
27	Rajnandgaon	Churiya	Middle School Telinbandha	Co-education	U. Primary	82
28	Rajnandgaon	Churiya	P.S. Bharritola	Co-education	Primary	103
29	Rajnandgaon	Churiya	Upper Primary Bharritola	Co-education	U. Primary	67
30	Dhamtari	Dhamteri	Upper Primary Lilar	Co-education	U. Primary	61
31	Dhamtari	Dhamteri	P.S. Lilar	Co-education	Primary	100
32	Dhamtari	Dhamteri	Middle School Bhawarmara	Co-education	U. Primary	70
33	Dhamtari	Dhamteri	P.S. Bhawarmara	Co-education	Primary	108
34	Dhamtari	Dhamteri	P.S Bagodar	Co-education	Primary	22
35	Dhamtari	Dhamteri	P.S. Aroud	Co-education	Primary	83
36	Dhamtari	Dhamteri	Middle School Aroud	Co-education	U. Primary	73
37	Dhamtari	Dhamteri	Middle School Jawargaon	Co-education	U. Primary	57
38	Dhamtari	Dhamteri	Primary School Jawargaon	Co-education	Primary	83
39	Dhamtari	Dhamteri	Middle School Mathuradih	Co-education	U. Primary	40
40	Dhamtari	Dhamteri	P.S. Mathuradih	Co-education	Primary	63
41	Dhamtari	Magarload	P.S. Medha	Co-education	Primary	78
42	Dhamtari	Magarload	Middle School Medha	Co-education	U. Primary	162
43	Dhamtari	Magarload	P.S. Aroue	Co-education	Primary	59
44	Dhamtari	Magarload	Middle School Aroue	Co-education	U. Primary	54
45	Dhamtari	Magarload	P.S. Giroud	Co-education	Primary	109
46	Dhamtari	Magarload	Middle School Grioud	Co-education	U. Primary	77
47	Dhamtari	Magarload	P.S. Hardi	Co-education	Primary	69
48	Dhamtari	Magarload	Middle School Hardi	Co-education	U. Primary	76
49	Dhamtari	Magarload	P.S. Kundel	Co-education	Primary	45
50	Dhamtari	Magarload	Middle School Kundel	Co-education	U. Primary	61
51	Dhamtari	Magarload	P.S. Motimpur	Co-education	Primary	99

Visited School Details						
Sl.	District	Block	School	School Type	Category	Enrolment
52	Dhamtari	Magarload	Middle School Motimpur	Co-education	U. Primary	57
53	Dhamtari	Kurud	P S Charra	Co-education	Primary	180
54	Dhamtari	Kurud	Middle School Mongara	Co-education	U. Primary	78
55	Dhamtari	Nagari	Middle school Guharnala	Co-education	U. Primary	58
56	Dhamtari	Nagari	P S Bandha	Co-education	Primary	38

Annexure -II

Coverage of Children in Rajnandgaon District during 10 days of JRM Visit															
Sl.	District	Block	School	Enrolment	1st day of Visit	2nd Day	3rd Day	4th Day	5th Day	6th Day	7th Day	8th Day	9th Day	10th Day	Average
1	Rajnandgaon	Dongargaon	Primary School Tumdiboard	91	78	84	81	79	79	77	79	74	84	82	80
2	Rajnandgaon	Dongargaon	MS Tumdiboard	119	99	89	99	102	101	99	92	88	95	100	96
3	Rajnandgaon	Dongargaon	P. S. Pendarwani	114	89	100	103	104	106	104	105	91	107	109	102
4	Rajnandgaon	Dongargaon	Middle School Pendarwani	70	59	67	70	70	68	70	67	67	70	69	68
5	Rajnandgaon	Dongargaon	P. S. Bejevanda	84	72	73	75	80	77	72	76	49	73	77	72
6	Rajnandgaon	Dongargaon	Middle School Margaon	99	88	81	96	92	88	89	87	81	94	94	89
7	Rajnandgaon	Dongargaon	P.S. Margaon	173	150	134	152	146	150	139	151	132	156	150	146
8	Rajnandgaon	Dongargaon	P.S. Girgaon	93	90	85	89	90	90	85	85	85	88	85	87
9	Rajnandgaon	Dongargaon	P.S. Mahulhippodi	21	21	21	20	19	20	21	19	20	20	19	20
10	Rajnandgaon	Dongargaon	P.S. Gatatola	71	69	67	65	64	68	62	67	67	68	66	66
11	Rajnandgaon	Dungargarh	PS Hirapur	35	34	34	34	34	33	34	33	32	31	32	33
12	Rajnandgaon	Dungargarh	Middle school Motipur	72	64	68	65	68	65	66	60	63	60	62	64
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	53	49	50	46	45	49	41	46	42	48	48	46
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	101	91	83	93	92	90	95	97	9	94	90	83
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	110	103	99	90	98	96	99	94	101	89	98	97
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	158	136	125	139	135	133	128	145	123	128	141	133
17	Rajnandgaon	Khairagarh	Middle school baldevpur	86	65	70	67	83	82	84	86	84	80	84	79
18	Rajnandgaon	Khairagarh	Middle school Amlipara	68	62	63	65	64	66	61	63	60	60	62	63
19	Rajnandgaon	Churiya	P.S Pinkapar	114	108	106	102	103	102	105	104	103	96	101	103

Coverage of Children in Rajnandgaon District during 10 days of JRM Visit															
Sl.	District	Block	School	Enrolment	1st day of Visit	2nd Day	3rd Day	4th Day	5th Day	6th Day	7th Day	8th Day	9th Day	10th Day	Average
20	Rajnandgaon	Churiya	Middle School Pinkapar	177	146	144	138	158	161	152	160	158	158	156	153
21	Rajnandgaon	Churiya	Middle School Lalutola	57	48	51	48	49	52	53	52	53	53	51	51
22	Rajnandgaon	Churiya	P.S Lalutola	73	65	66	64	61	62	61	69	68	60	69	65
23	Rajnandgaon	Churiya	P.S. Rajnitola	31	30	30	30	31	30	31	29	29	30	30	30
24	Rajnandgaon	Churiya	P.S. Chircharli	88	75	67	78	75	73	71	70	77	75	69	73
25	Rajnandgaon	Churiya	Middle School Chirchari	70	67	64	63	70	67	67	64	63	56	64	65
26	Rajnandgaon	Churiya	P.S. Telinbandha	138	118	111	112	117	120	123	120	123	109	114	117
27	Rajnandgaon	Churiya	Middle School Telinbandha	82	66	70	71	73	73	74	69	66	60	64	69
28	Rajnandgaon	Churiya	P.S. Bharritola	103	94	98	95	95	96	94	97	98	97	97	96
29	Rajnandgaon	Churiya	Upper Primary Bharritola	67	61	60	62	64	60	59	62	60	65	54	61
			Total	2618	2297	2260	2312	2361	2357	2316	2348	2166	2304	2337	2306
			Rajnandgaon		88%	87%	90%	91%	90%	88%	90%	79%	89%	91%	88%

Annexure-III

Coverage of Children during 10 days of JRM Visit: Dhamtari															
Sl.	District	Block	School	Enrolment	1st day of Visit	2nd Day	3rd Day	4th Day	5th Day	6th Day	7th Day	8th Day	9th Day	10th Day	Average
1	Dhamtari	Dhamtari	Upper Primary Lilar	61	59	58	58	59	53	60	54	58	56	61	58
2	Dhamtari	Dhamtari	P.S. Lilar	100	92	91	90	92	84	88	85	91	88	78	88
3	Dhamtari	Dhamtari	Middle School Bhawarmara	70	68	66	69	67	67	66	64	66	68	67	67
4	Dhamtari	Dhamtari	P.S. Bhawarmara	108	105	105	102	103	107	105	101	104	100	96	103
5	Dhamtari	Dhamtari	P.S Bagodar	22	22	22	20	22	22	22	22	22	22	22	22
6	Dhamtari	Dhamtari	P.S. Aroud	83	76	68	71	77	78	76	77	76	73	70	74
7	Dhamtari	Dhamtari	Middle School Aroud	73	66	62	63	57	68	67	69	66	64	59	64
8	Dhamtari	Dhamtari	Middle School Jawargaon	57	51	54	52	52	53	53	49	52	50	54	52
9	Dhamtari	Dhamtari	Primary School Jawargaon	83	77	75	72	70	75	77	74	72	77	75	74
10	Dhamtari	Dhamtari	Middle School Mathuradih	40	36	36	32	36	36	31	34	33	34	29	34
11	Dhamtari	Dhamtari	P.S. Mathuradih	63	61	60	59	60	62	62	58	61	60	56	60
12	Dhamtari	Magarload	P.S. Medha	78	74	70	73	66	76	74	76	71	69	32	68
13	Dhamtari	Magarload	Middle School Medha	162	145	152	134	143	145	145	139	141	148	144	144
14	Dhamtari	Magarload	P.S. Aroue	59	55	55	53	53	51	55	48	54	55	53	53
15	Dhamtari	Magarload	Middle School Aroue	54	51	51	51	51	48	53	53	51	51	52	51

Coverage of Children during 10 days of JRM Visit: Dhamtari															
Sl.	District	Block	School	Enrolment	1st day of Visit	2nd Day	3rd Day	4th Day	5th Day	6th Day	7th Day	8th Day	9th Day	10th Day	Average
16	Dhamtari	Magarload	P.S. Giroud	109	104	107	99	103	100	105	101	106	105	104	103
17	Dhamtari	Magarload	Middle School Grioud	77	74	74	74	69	72	77	76	73	76	72	74
18	Dhamtari	Magarload	P.S. Hardi	69	60	66	66	65	62	64	65	65	65	66	64
19	Dhamtari	Magarload	Middle School Hardi	76	70	74	75	75	72	76	74	74	71	69	73
20	Dhamtari	Magarload	P.S. Kundel	45	43	43	43	42	43	43	45	40	40	44	43
21	Dhamtari	Magarload	Middle School Kundel	61	54	54	57	59	52	56	56	58	54	58	56
22	Dhamtari	Magarload	P.S. Motimpur	99	87	89	90	92	81	84	83	90	86	80	86
23	Dhamtari	Magarload	Middle School Motimpur	57	52	55	55	51	51	48	57	55	52	49	53
24	Dhamtari	Kurud	P S Charra	180	165	166	169	155	166	162	159	161	162	162	163
25	Dhamtari	Kurud	Middle School Mongara	78	72	73	68	67	72	70	71	66	73	70	70
26	Dhamtari	Nagari	Middle school Guharnala	58	48	51	48	49	41	49	46	51	52	48	48
27	Dhamtari	Nagari	P S Bandha	38	34	36	37	37	33	28	28	28	32	32	33
				2060	1901	1913	1880	1872	1870	1896	1864	1885	1883	1802	1877
			Dhamtari		92%	93%	91%	91%	91%	92%	90%	92%	91%	87%	91%

Publicity and awareness of the MDMS								
Sl.	District	Block	School	Enrolment	Display Menu	Menu decided by	Display of MDM Logo	Display of children entitlement
1	Rajnandgaon	Dongargaon	Primary School Tumdiboard	Co-education	Yes	State	No	Yes
2	Rajnandgaon	Dongargaon	MS Tumdiboard	Co-education	Yes	State	No	Yes
3	Rajnandgaon	Dongargaon	P. S. Pendarwani	Co-education	Yes	State	No	No
4	Rajnandgaon	Dongargaon	Middle School Pendarwani	Co-education	Yes	State	No	Yes
5	Rajnandgaon	Dongargaon	P. S. Bejevanda	Co-education	Yes	State	No	No
6	Rajnandgaon	Dongargaon	Middle School Margaon	Co-education	Yes	State	No	No
7	Rajnandgaon	Dongargaon	P.S. Margaon	Co-education	Yes	State	No	No
8	Rajnandgaon	Dongargaon	P.S. Girgaon	Co-education	Yes	State	No	No
9	Rajnandgaon	Dongargaon	P.S. Mahulhipodi	Co-education	Yes	State	No	No
10	Rajnandgaon	Dongargaon	P.S. Gatatola	Co-education	Yes	State	No	No
11	Rajnandgaon	Dungargarh	PS Hirapur	Co-education	Yes	State	Yes	yes
12	Rajnandgaon	Dungargarh	Middle school Motipur	Co-education	Yes	State	Yes	yes
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	Co-education	Yes	State	No	No
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	Co-education	Yes	State	Yes	yes
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	Co-education	Yes	State	Yes	yes
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	Co-education	Yes	State	Yes	yes
17	Rajnandgaon	Khairagarh	Middle school baldevpur	Co-education	Yes	State	No	No
18	Rajnandgaon	Khairagarh	Middle school Amlipara	Co-education	Yes	State	yes	yes

Publicity and awareness of the MDMS								
Sl.	District	Block	School	Enrolment	Display Menu	Menu decided by	Display of MDM Logo	Display of children entitlement
19	Rajnandgaon	Churiya	P.S Pinkapar	Co-education	Yes	State	No	No
20	Rajnandgaon	Churiya	Middle School Pinkapar	Co-education	Yes	State	No	No
21	Rajnandgaon	Churiya	Middle School Lalutola	Co-education	Yes	State	No	No
22	Rajnandgaon	Churiya	P.S Lalutola	Co-education	Yes	State	No	No
23	Rajnandgaon	Churiya	P.S. Rajnitola	Co-education	Yes	State	No	No
24	Rajnandgaon	Churiya	P.S. Chircharli	Co-education	Yes	State	No	No
25	Rajnandgaon	Churiya	Middle School Chirchari	Co-education	Yes	State	No	No
26	Rajnandgaon	Churiya	P.S. Telinbandha	Co-education	Yes	State	No	No
27	Rajnandgaon	Churiya	Middle School Telinbandha	Co-education	Yes	State	No	No
28	Rajnandgaon	Churiya	P.S. Bharritola	Co-education	Yes	State	No	No
29	Rajnandgaon	Churiya	Upper Primary Bharritola	Co-education	Yes	State	No	No
30	Dhamtari	Dhamtari	Upper Primary Lilar	Co-education	Yes	State	No	No
31	Dhamtari	Dhamtari	P.S. Lilar	Co-education	Yes	SMC	No	No
32	Dhamtari	Dhamtari	Middle School Bhawarmara	Co-education	Yes	SMC	No	No
33	Dhamtari	Dhamtari	P.S. Bhawarmara	Co-education	Yes	SMC	No	No
34	Dhamtari	Dhamtari	P.S Bagodar	Co-education	Yes	SMC	No	No
35	Dhamtari	Dhamtari	P.S. Aroud	Co-education	Yes	SMC	No	No
36	Dhamtari	Dhamtari	Middle School Aroud	Co-education	Yes	SMC	No	No
37	Dhamtari	Dhamtari	Middle School Jawargaon	Co-education	Yes	SMC	Yes (not in proper design)	No
38	Dhamtari	Dhamtari	Primary School Jawargaon	Co-education	Yes	SMC	Yes (not in proper design)	No

Publicity and awareness of the MDMS								
Sl.	District	Block	School	Enrolment	Display Menu	Menu decided by	Display of MDM Logo	Display of children entitlement
39	Dhamtari	Dhamtari	Middle School Mathuradih	Co-education	Yes	SMC	Yes (colourfade)	No
40	Dhamtari	Dhamtari	P.S. Mathuradih	Co-education	Yes	SMC	Yes (colour fade)	No
41	Dhamtari	Magarload	P.S. Medha	Co-education	Yes	SMC	Yes (colour fade)	No
42	Dhamtari	Magarload	Middle School Medha	Co-education	Yes	SMC	Yes (colour fade)	No
43	Dhamtari	Magarload	P.S. Aroue	Co-education	Yes	SMC	No	No
44	Dhamtari	Magarload	Middle School Aroue	Co-education	Yes	SMC	No	No
45	Dhamtari	Magarload	P.S. Giroud	Co-education	Yes	SMC	No	No
46	Dhamtari	Magarload	Middle School Grioud	Co-education	Yes	SMC	No	No
47	Dhamtari	Magarload	P.S. Hardi	Co-education	Yes	SMC	No	No
48	Dhamtari	Magarload	Middle School Hardi	Co-education	Yes	SMC	No	No
49	Dhamtari	Magarload	P.S. Kundel	Co-education	Yes	SMC	No	No
50	Dhamtari	Magarload	Middle School Kundel	Co-education	Yes	SMC	No	No
51	Dhamtari	Magarload	P.S. Motimpur	Co-education	Yes	SMC	No	No
52	Dhamtari	Magarload	Middle School Motimpur	Co-education	Yes	SMC	No	No
53	Dhamtari	Kurud	P S Charra	Co-education	Yes	SMC	No	No
54	Dhamtari	Kurud	Middle School Mongara	Co-education	Yes	SMC	No	No
55	Dhamtari	Nagari	Middle school Guharnala	Co-education	Yes	SMC	No	No
56	Dhamtari	Nagari	P S Bandha	Co-education	Yes	SMC	No	No

Infrastructure available at school level									
Sl.	District	Block	School	Enrolment	Availability			Mode of Cooking	Remarks
					Kitchen	Kitchen devices	Eating plates		
1	Rajnandgaon	Dongargaon	Primary School Tumdiboard	91	Yes	Yes	Yes	Firewood	SHG provided firewood for cooking due to low cost and easily availability
2	Rajnandgaon	Dongargaon	MS Tumdiboard	119	Yes	Yes	Yes	Firewood	-do-
3	Rajnandgaon	Dongargaon	P. S. Pendarwani	114	Yes	Yes	Yes	Firewood	-do-
4	Rajnandgaon	Dongargaon	Middle School Pendarwani	70	Yes	Yes	Yes	Firewood	-do-
5	Rajnandgaon	Dongargaon	P. S. Bejevanda	84	Yes	Yes	Yes	Firewood	-do-
6	Rajnandgaon	Dongargaon	Middle School Margaon	99	Yes	Yes	Yes	Firewood	-do-
7	Rajnandgaon	Dongargaon	P.S. Margaon	173	Yes	Yes	Yes	Firewood	-do-
8	Rajnandgaon	Dongargaon	P.S. Girgaon	93	Yes	Yes	Yes	Firewood	-do-
9	Rajnandgaon	Dongargaon	P.S. Mahulhipodi	21	Yes	Yes	Yes	Firewood	-do-
10	Rajnandgaon	Dongargaon	P.S. Gatatola	71	Yes	Yes	Yes	Firewood	-do-
11	Rajnandgaon	Dungargarh	PS Hirapur	35	Yes	Yes	Yes	Firewood	-do-

Infrastructure available at school level									
Sl.	District	Block	School	Enrolment	Availability			Mode of Cooking	Remarks
					Kitchen	Kitchen devices	Eating plates		
12	Rajnandgaon	Dungargarh	Middle school Motipur	72	Yes	Yes	Yes	Firewood	-do-
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	53	Yes	Yes	Yes	Firewood	-do-
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	101	Yes	Yes	Yes	Firewood	-do-
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	110	Yes	Yes	Yes	Firewood	-do-
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	158	Yes	Yes	Yes	Firewood	-do-
17	Rajnandgaon	Khairagarh	Middle school baldevpur	86	Yes	Yes	Yes	Firewood	-do-
18	Rajnandgaon	Khairagarh	Middle school Amlipara	68	Yes	Yes	Yes	Firewood	-do-
19	Rajnandgaon	Churiya	P.S Pinkapar	114	Yes	Yes	Yes	Firewood	-do-
20	Rajnandgaon	Churiya	Middle School Pinkapar	177	Yes	Yes	Yes	Firewood	-do-
21	Rajnandgaon	Churiya	Middle School Lalutola	57	Yes	Yes	Yes	Firewood	-do-
22	Rajnandgaon	Churiya	P.S Lalutola	73	Yes	Yes	Yes	Firewood	-do-
23	Rajnandgaon	Churiya	P.S. Rajnitola	31	Yes	Yes	Yes	Firewood	-do-
24	Rajnandgaon	Churiya	P.S. Chircharli	88	Yes	Yes	Yes	Firewood	-do-

Infrastructure available at school level									
Sl.	District	Block	School	Enrolment	Availability			Mode of Cooking	Remarks
					Kitchen	Kitchen devices	Eating plates		
25	Rajnandgaon	Churiya	Middle School Chirchari	70	Yes	Yes	Yes	Firewood	-do-
26	Rajnandgaon	Churiya	P.S. Telinbandha	138	Yes	Yes	Yes	Firewood	-do-
27	Rajnandgaon	Churiya	Middle School Telinbandha	82	Yes	Yes	Yes	Firewood	-do-
28	Rajnandgaon	Churiya	P.S. Bharritola	103	Yes	Yes	Yes	Firewood	-do-
29	Rajnandgaon	Churiya	Upper Primary Bharritola	67	Yes	Yes	Yes	Firewood	-do-
30	Dhamtari	Dhamtari	Upper Primary Lilar	61	Yes	Yes	Yes	Firewood	-do-
31	Dhamtari	Dhamtari	P.S. Lilar	100	Yes	Yes	Yes	Firewood	-do-
32	Dhamtari	Dhamtari	Middle School Bhawarmara	70	Yes	Yes	Yes	Firewood	-do-
33	Dhamtari	Dhamtari	P.S. Bhawarmara	108	Yes	Yes	Yes	Firewood	-do-
34	Dhamtari	Dhamtari	P.S Bagodar	22	Yes	Yes	Yes	Firewood	-do-
35	Dhamtari	Dhamtari	P.S. Aroud	83	Yes	Yes	Yes	Firewood	-do-
36	Dhamtari	Dhamtari	Middle School Aroud	73	Yes	Yes	Yes	Firewood	-do-
37	Dhamtari	Dhamtari	Middle School Jawargaon	57	Yes	Yes	Yes	Firewood	-do-
38	Dhamtari	Dhamtari	Primary School Jawargaon	83	Yes	Yes	Yes	Firewood	-do-
39	Dhamtari	Dhamtari	Middle School Mathuradih	40	Yes	Yes	Yes	Firewood	-do-
40	Dhamtari	Dhamtari	P.S. Mathuradih	63	Yes	Yes	Yes	Firewood	-do-
41	Dhamtari	Magarload	P.S. Medha	78	Yes	Yes	Yes	Firewood	-do-
42	Dhamtari	Magarload	Middle School Medha	162	Yes	Yes	Yes	Firewood	-do-

Infrastructure available at school level									
Sl.	District	Block	School	Enrolment	Availability			Mode of Cooking	Remarks
					Kitchen	Kitchen devices	Eating plates		
43	Dhamtari	Magarload	P.S. Aroue	59	Yes	Yes	Yes	Firewood	-do-
44	Dhamtari	Magarload	Middle School Aroue	54	Yes	Yes	Yes	Firewood	-do-
45	Dhamtari	Magarload	P.S. Giroud	109	Yes	Yes	Yes	Firewood	-do-
46	Dhamtari	Magarload	Middle School Grioud	77	Yes	Yes	Yes	Firewood	-do-
47	Dhamtari	Magarload	P.S. Hardi	69	Yes	Yes	Yes	Firewood	-do-
48	Dhamtari	Magarload	Middle School Hardi	76	Yes	Yes	Yes	Firewood	-do-
49	Dhamtari	Magarload	P.S. Kundel	45	Yes	Yes	Yes	Firewood	-do-
50	Dhamtari	Magarload	Middle School Kundel	61	Yes	Yes	Yes	Firewood	-do-
51	Dhamtari	Magarload	P.S. Motimpur	99	Yes	Yes	Yes	Firewood	-do-
52	Dhamtari	Magarload	Middle School Motimpur	57	Yes	Yes	Yes	Firewood	-do-
53	Dhamtari	Kurud	P S Charra	180	Yes	Yes	Yes	LPG	-do-
54	Dhamtari	Kurud	Middle School Mongara	78	Yes	Yes	Yes	Firewood	-do-
55	Dhamtari	Nagari	Middle school Guharnala	58	Yes	Yes	Yes	Firewood	-do-
56	Dhamtari	Nagari	P S Bandha	38	Yes	Yes	Yes	Firewood	-do-
					Availability of kitchen in :52 Schools	Availability of Kitchen Devices in :52 Schools	Availability of Eating Plates in :52 Schools	Availability of LPG in :0 Schools	

Annexure-VI

Cook-cum-helpers' details												
Sl.	District	Block	School	Enrolment	Cook-cum-helpers			Payment of Honorarium	Honorarium per cook per month (in Rs.)	Mode of payment	Honorarium received	Training provided
					Male	Female	Total	Regular				
1	Rajnandgaon	Dongargaon	Primary School Tumdiboard	91	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
2	Rajnandgaon	Dongargaon	MS Tumdiboard	119	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
3	Rajnandgaon	Dongargaon	P. S. Pendarwani	114	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
4	Rajnandgaon	Dongargaon	Middle School Pendarwani	70	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
5	Rajnandgaon	Dongargaon	P. S. Bejevanda	84	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
6	Rajnandgaon	Dongargaon	Middle School Margaon	99	1	2	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
7	Rajnandgaon	Dongargaon	P.S. Margaon	173	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
8	Rajnandgaon	Dongargaon	P.S. Girgaon	93	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
9	Rajnandgaon	Dongargaon	P.S. Mahulhipodi	21	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
10	Rajnandgaon	Dongargaon	P.S. Gatatola	71	0	1	1	Yes	Rs.1200/-	E-transfer	Yes	Yes
11	Rajnandgaon	Dungargarh	PS Hirapur	35	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
12	Rajnandgaon	Dungargarh	Middle school Motipur	72	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	53	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	101	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes

Cook-cum-helpers' details												
Sl.	District	Block	School	Enrolment	Cook-cum-helpers			Payment of Honorarium	Honorarium per cook per month (in Rs.)	Mode of payment	Honorarium received	Training provided
					Male	Female	Total	Regular				
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	110	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	158	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
17	Rajnandgaon	Khairagarh	Middle school baldevpur	86	1	1	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
18	Rajnandgaon	Khairagarh	Middle school Amlipara	68	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
19	Rajnandgaon	Khairagarh	Middle school Amlipara	68	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
20	Rajnandgaon	Churiya	Middle School Pinkapar	177	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
21	Rajnandgaon	Churiya	Middle School Lalutola	57	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
22	Rajnandgaon	Churiya	P.S Lalutola	73	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
23	Rajnandgaon	Churiya	P.S. Rajnitola	31	1	1	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
24	Rajnandgaon	Churiya	P.S. Chircharli	88	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
25	Rajnandgaon	Churiya	Middle School Chirchari	70	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
26	Rajnandgaon	Churiya	P.S. Telinbandha	138	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
27	Rajnandgaon	Churiya	Middle School Telinbandha	82	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
28	Rajnandgaon	Churiya	P.S. Bharritola	103	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
29	Rajnandgaon	Churiya	Upper Primary Bharritola	67	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
30	Dhamtari	Dhamtari	Upper Primary Lilar	61	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
31	Dhamtari	Dhamtari	P.S. Lilar	100	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes

Cook-cum-helpers' details												
Sl.	District	Block	School	Enrolment	Cook-cum-helpers			Payment of Honorarium	Honorarium per cook per month (in Rs.)	Mode of payment	Honorarium received	Training provided
					Male	Female	Total	Regular				
32	Dhamtari	Dhamtari	Middle School Bhawarmara	70	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
33	Dhamtari	Dhamtari	P.S. Bhawarmara	108	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
34	Dhamtari	Dhamtari	P.S Bagodar	22	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
35	Dhamtari	Dhamtari	P.S. Aroud	83	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
36	Dhamtari	Dhamtari	Middle School Aroud	73	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
37	Dhamtari	Dhamtari	Middle School Jawargaon	57	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
38	Dhamtari	Dhamtari	Primary School Jawargaon	83	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
39	Dhamtari	Dhamtari	Middle School Mathuradih	40	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
40	Dhamtari	Dhamtari	P.S. Mathuradih	63	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
41	Dhamtari	Magarload	P.S. Medha	78	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
42	Dhamtari	Magarload	Middle School Medha	162	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
43	Dhamtari	Magarload	P.S. Aroue	59	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
44	Dhamtari	Magarload	Middle School Aroue	54	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
45	Dhamtari	Magarload	P.S. Giroud	109	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
46	Dhamtari	Magarload	Middle School Grioud	77	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
47	Dhamtari	Magarload	P.S. Hardi	69	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
48	Dhamtari	Magarload	Middle School Hardi	76	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
49	Dhamtari	Magarload	P.S. Kundel	45	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes

Cook-cum-helpers' details												
Sl.	District	Block	School	Enrolment	Cook-cum-helpers			Payment of Honorarium	Honorarium per cook per month (in Rs.)	Mode of payment	Honorarium received	Training provided
					Male	Female	Total	Regular				
50	Dhamtari	Magarload	Middle School Kundel	61	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
51	Dhamtari	Magarload	P.S. Motimpur	99	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
52	Dhamtari	Magarload	Middle School Motimpur	57	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
53	Dhamtari	Kurud	P S Charra	180	0	3	3	Yes	Rs.1200/-	E-transfer	Yes	Yes
54	Dhamtari	Kurud	Middle School Mongara	78	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
55	Dhamtari	Nagari	Middle school Guharnala	58	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
56	Dhamtari	Nagari	P S Bandha	38	0	2	2	Yes	Rs.1200/-	E-transfer	Yes	Yes
Total				4278	3	127	130					

Annexure-VII

Inspection by higher authorities							
Sl.	District	Block	School	Enrolment	Inspection	Inspected by	
					Carried out	Cluster / Block officials	District officials
1	Rajnandgaon	Dongargaon	Primary School Tumdiboard	91	Yes	Monthly	No
2	Rajnandgaon	Dongargaon	MS Tumdiboard	119	Yes	Monthly	No
3	Rajnandgaon	Dongargaon	P. S. Pendarwani	114	Yes	Monthly	No
4	Rajnandgaon	Dongargaon	Middle School Pendarwani	70	Yes	Monthly	No
5	Rajnandgaon	Dongargaon	P. S. Bejevanda	84	Yes	Monthly	No
6	Rajnandgaon	Dongargaon	Middle School Margaon	99	Yes	Monthly	No
7	Rajnandgaon	Dongargaon	P.S. Margaon	173	Yes	Monthly	No
8	Rajnandgaon	Dongargaon	P.S. Girgaon	93	Yes	Monthly	No
9	Rajnandgaon	Dongargaon	P.S. Mahulhippodi	21	Yes	Monthly	No
10	Rajnandgaon	Dongargaon	P.S. Gatatola	71	Yes	Monthly	No
11	Rajnandgaon	Dungargarh	PS Hirapur	35	Yes	Monthly	No
12	Rajnandgaon	Dungargarh	Middle school Motipur	72	Yes	Monthly	No
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	53	Yes	Monthly	No
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	101	Yes	Monthly	No
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	110	Yes	Monthly	No
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	158	Yes	Monthly	No
17	Rajnandgaon	Khairagarh	Middle school baldevpur	86	Yes	Monthly	No
18	Rajnandgaon	Khairagarh	Middle school Amlipara	68	Yes	Monthly	No
19	Rajnandgaon	Churiya	P.S Pinkapar	114	Yes	Monthly	No
20	Rajnandgaon	Churiya	Middle School Pinkapar	177	Yes	Monthly	No

Inspection by higher authorities							
Sl.	District	Block	School	Enrolment	Inspection	Inspected by	
					Carried out	Cluster / Block officials	District officials
21	Rajnandgaon	Churiya	Middle School Lalutola	57	Yes	Monthly	No
22	Rajnandgaon	Churiya	P.S Lalutola	73	Yes	Monthly	No
23	Rajnandgaon	Churiya	P.S. Rajnitola	31	Yes	Monthly	No
24	Rajnandgaon	Churiya	P.S. Chircharli	88	Yes	Monthly	No
25	Rajnandgaon	Churiya	Middle School Chirchari	70	Yes	Monthly	No
26	Rajnandgaon	Churiya	P.S. Telinbandha	138	Yes	Monthly	No
27	Rajnandgaon	Churiya	Middle School Telinbandha	82	Yes	Monthly	No
28	Rajnandgaon	Churiya	P.S. Bharritola	103	Yes	Monthly	No
29	Rajnandgaon	Churiya	Upper Primary Bharritola	67	Yes	Monthly	No
30	Dhamtari	Dhamtari	Upper Primary Lilar	61	Yes	Monthly	No
31	Dhamtari	Dhamtari	P.S. Lilar	100	Yes	Monthly	No
32	Dhamtari	Dhamtari	Middle School Bhawarmara	70	Yes	Monthly	No
33	Dhamtari	Dhamtari	P.S. Bhawarmara	108	Yes	Monthly	No
34	Dhamtari	Dhamtari	P.S Bagodar	22	Yes	Monthly	No
35	Dhamtari	Dhamtari	P.S. Aroud	83	Yes	Monthly	No
36	Dhamtari	Dhamtari	Middle School Aroud	73	Yes	Monthly	No
37	Dhamtari	Dhamtari	Middle School Jawargaon	57	Yes	Monthly	No
38	Dhamtari	Dhamtari	Primary School Jawargaon	83	Yes	Monthly	No
39	Dhamtari	Dhamtari	Middle School Mathuradih	40	Yes	Monthly	No
40	Dhamtari	Dhamtari	P.S. Mathuradih	63	Yes	Monthly	No
41	Dhamtari	Magarload	P.S. Medha	78	Yes	Monthly	No
42	Dhamtari	Magarload	Middle School Medha	162	Yes	Monthly	No
43	Dhamtari	Magarload	P.S. Aroue	59	Yes	Monthly	No
44	Dhamtari	Magarload	Middle School Aroue	54	Yes	Monthly	No
45	Dhamtari	Magarload	P.S. Giroud	109	Yes	Monthly	No

Inspection by higher authorities							
Sl.	District	Block	School	Enrolment	Inspection	Inspected by	
					Carried out	Cluster / Block officials	District officials
46	Dhamtari	Magarload	Middle School Grioud	77	Yes	Monthly	No
47	Dhamtari	Magarload	P.S. Hardi	69	Yes	Monthly	No
48	Dhamtari	Magarload	Middle School Hardi	76	Yes	Monthly	No
49	Dhamtari	Kurud	P S Charra	180	Yes	Monthly	No
50	Dhamtari	Kurud	Middle School Mongara	78	Yes	Monthly	No
51	Dhamtari	Nagari	Middle school Guharnala	58	Yes	Monthly	No
52	Dhamtari	Nagari	P S Bandha	38	Yes	Monthly	No

Annexure-VIII

School Health Programme									
Sl.	District	Block	School	Enrolment	Children Health Card available	Health Check-up	Doctor Visit	Distribution of (IFA, Deworming, Vitamin -A)	Remarks
1	Rajnandgaon	Dongargaon	Primary School Tumdiboard	91	Yes	Yes	once in a year	IFA & Deworming	Vitamin A provide to less than 5 yrs. children
2	Rajnandgaon	Dongargaon	MS Tumdiboard	119	Yes	Yes	once in a year	-do-	-do-
3	Rajnandgaon	Dongargaon	P. S. Pendarwani	114	Yes	Yes	once in a year	-do-	-do-
4	Rajnandgaon	Dongargaon	Middle School Pendarwani	70	Yes	Yes	once in a year	-do-	-do-
5	Rajnandgaon	Dongargaon	P. S. Bejevanda	84	Yes	Yes	once in a year	-do-	-do-
6	Rajnandgaon	Dongargaon	Middle School Margaon	99	Yes	Yes	once in a year	-do-	-do-
7	Rajnandgaon	Dongargaon	P.S. Margaon	173	Yes	Yes	once in a year	-do-	-do-
8	Rajnandgaon	Dongargaon	P.S. Girgaon	93	Yes	Yes	once in a year	-do-	-do-
9	Rajnandgaon	Dongargaon	P.S. Mahulhippodi	21	Yes	Yes	once in a year	-do-	-do-
10	Rajnandgaon	Dongargaon	P.S. Gatatola	71	Yes	Yes	once in a year	-do-	-do-
11	Rajnandgaon	Dungargarh	PS Hirapur	35	Yes	Yes	once in a year	-do-	-do-
12	Rajnandgaon	Dungargarh	Middle school Motipur	72	Yes	Yes	once in a year	-do-	-do-
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	53	Yes	Yes	once in a year	-do-	-do-
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	101	Yes	Yes	once in a year	-do-	-do-

School Health Programme									
Sl.	District	Block	School	Enrolment	Children Health Card available	Health Check-up	Doctor Visit	Distribution of (IFA, Deworming, Vitamin -A)	Remarks
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	110	Yes	Yes	once in a year	-do-	-do-
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	158	Yes	Yes	once in a year	-do-	-do-
17	Rajnandgaon	Khairagarh	Middle school baldevpur	86	Yes	Yes	once in a year	-do-	-do-
18	Rajnandgaon	Khairagarh	Middle school Amlipara	68	Yes	Yes	once in a year	-do-	-do-
19	Rajnandgaon	Churiya	P.S Pinkapar	114	Yes	Yes	once in a year	-do-	-do-
20	Rajnandgaon	Churiya	Middle School Pinkapar	177	Yes	Yes	once in a year	-do-	-do-
21	Rajnandgaon	Churiya	Middle School Lalutola	57	Yes	Yes	once in a year	-do-	-do-
22	Rajnandgaon	Churiya	P.S Lalutola	73	Yes	Yes	once in a year	-do-	-do-
23	Rajnandgaon	Churiya	P.S. Rajnitola	31	Yes	Yes	once in a year	-do-	-do-
24	Rajnandgaon	Churiya	P.S. Chircharli	88	Yes	Yes	once in a year	-do-	-do-
25	Rajnandgaon	Churiya	Middle School Chirchari	70	Yes	Yes	once in a year	-do-	-do-
26	Rajnandgaon	Churiya	P.S. Telinbandha	138	Yes	Yes	once in a year	-do-	-do-
27	Rajnandgaon	Churiya	Middle School Telinbandha	82	Yes	Yes	once in a year	-do-	-do-
28	Rajnandgaon	Churiya	P.S. Bharritola	103	Yes	Yes	once in a year	-do-	-do-
29	Rajnandgaon	Churiya	Upper Primary Bharritola	67	Yes	Yes	once in a year	-do-	-do-
30	Dhamtari	Dhamtari	Upper Primary Lilar	61	Yes	Yes	once in a year	-do-	-do-
31	Dhamtari	Dhamtari	P.S. Lilar	100	Yes	Yes	once in a year	-do-	-do-
32	Dhamtari	Dhamtari	Middle School Bhawarmara	70	Yes	Yes	once in a year	-do-	-do-
33	Dhamtari	Dhamtari	P.S. Bhawarmara	108	Yes	Yes	once in a year	-do-	-do-
34	Dhamtari	Dhamtari	P.S Bagodar	22	Yes	Yes	once in a year	-do-	-do-
35	Dhamtari	Dhamtari	P.S. Aroud	83	Yes	Yes	once in a year	-do-	-do-
36	Dhamtari	Dhamtari	Middle School Aroud	73	Yes	Yes	once in a year	-do-	-do-
37	Dhamtari	Dhamtari	Middle School Jawargaon	57	Yes	Yes	once in a year	-do-	-do-
38	Dhamtari	Dhamtari	Primary School Jawargaon	83	Yes	Yes	once in a year	-do-	-do-

School Health Programme									
Sl.	District	Block	School	Enrolment	Children Health Card available	Health Check-up	Doctor Visit	Distribution of (IFA, Deworming, Vitamin -A)	Remarks
39	Dhamtari	Dhamtari	Middle School Mathuradih	40	Yes	Yes	once in a year	-do-	-do-
40	Dhamtari	Dhamtari	P.S. Mathuradih	63	Yes	Yes	once in a year	-do-	-do-
41	Dhamtari	Magarload	P.S. Medha	78	Yes	Yes	once in a year	-do-	-do-
42	Dhamtari	Magarload	Middle School Medha	162	Yes	Yes	once in a year	-do-	-do-
43	Dhamtari	Magarload	P.S. Aroue	59	Yes	Yes	once in a year	-do-	-do-
44	Dhamtari	Magarload	Middle School Aroue	54	Yes	Yes	once in a year	-do-	-do-
45	Dhamtari	Magarload	P.S. Giroud	109	Yes	Yes	once in a year	-do-	-do-
46	Dhamtari	Magarload	Middle School Grioud	77	Yes	Yes	once in a year	-do-	-do-
47	Dhamtari	Magarload	P.S. Hardi	69	Yes	Yes	once in a year	-do-	-do-
48	Dhamtari	Magarload	Middle School Hardi	76	Yes	Yes	once in a year	-do-	-do-
49	Dhamtari	Magarload	P.S. Kundel	45	Yes	Yes	once in a year	-do-	-do-
50	Dhamtari	Magarload	Middle School Kundel	61	Yes	Yes	once in a year	-do-	-do-
51	Dhamtari	Magarload	P.S. Motimpur	99	Yes	Yes	once in a year	-do-	-do-
52	Dhamtari	Magarload	Middle School Motimpur	57	Yes	Yes	once in a year	-do-	-do-
53	Dhamtari	Kurud	P S Charra	180	Yes	Yes	once in a year	-do-	-do-
54	Dhamtari	Kurud	Middle School Mongara	78	Yes	Yes	once in a year	-do-	-do-
55	Dhamtari	Nagari	Middle school Guharnala	58	Yes	Yes	once in a year	-do-	-do-
56	Dhamtari	Nagari	P S Bandha	38	Yes	Yes	once in a year	-do-	-do-

School Nutrition Garden at school level						
Sl.	District	Block	School	Enrolment	Availability School Nutrition Garden	Maintenance by
1	Rajnandgaon	Dongargao n	Primary School Tumdiboard	91	No	
2	Rajnandgaon	Dongargao n	MS Tumdiboard	119	No	
3	Rajnandgaon	Dongargao n	P. S. Pendarwani	114	No	
4	Rajnandgaon	Dongargao n	Middle School Pendarwani	70	Yes	Teacher & Students
5	Rajnandgaon	Dongargao n	P. S. Bejevanda	84	Yes	Teacher & Students
6	Rajnandgaon	Dongargao n	Middle School Margaon	99	No	
7	Rajnandgaon	Dongargao n	P.S. Margaon	173	Yes	Teacher & Students
8	Rajnandgaon	Dongargao n	P.S. Girgaon	93	No	
9	Rajnandgaon	Jalgaon	Yadav Devchand Patil Middle Schools Mehrun	561	No	
10	Rajnandgaon	Dongargao n	P.S. Gatatola	71	Yes	Teacher & Students
11	Rajnandgaon	Dungargarh	PS Hirapur	35	Under process	
12	Rajnandgaon	Dungargarh	Middle school Motipur	72	Yes	
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	53	No	
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	101	No	
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	110	No	
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	158	No	

School Nutrition Garden at school level						
Sl.	District	Block	School	Enrolment	Availability School Nutrition Garden	Maintenance by
17	Rajnandgaon	Khairagarh	Middle school baldevpur	86	Yes	
18	Rajnandgaon	Khairagarh	Middle school Amlipara	68	No	
19	Rajnandgaon	Churiya	P.S Pinkapar	114	Yes	Teacher & Students
20	Rajnandgaon	Churiya	Middle School Pinkapar	177	Yes	Teacher & Students
21	Rajnandgaon	Churiya	Middle School Lalutola	57	No	
22	Rajnandgaon	Churiya	P.S Lalutola	73	Yes	Teacher & Students
23	Rajnandgaon	Churiya	P.S. Rajnitola	31	Yes	Teacher & Students
24	Rajnandgaon	Churiya	P.S. Chircharli	88	No	
25	Rajnandgaon	Churiya	Middle School Chirchari	70	Yes	Teacher & Students
26	Rajnandgaon	Churiya	P.S. Telinbandha	138	Yes	Teacher & Students
27	Rajnandgaon	Churiya	Middle School Telinbandha	82	No	
28	Rajnandgaon	Churiya	P.S. Bharritola	103	Yes	Teacher & Students
29	Rajnandgaon	Churiya	Upper Primary Bharritola	67	Yes	Teacher & Students
30	Dhamtari	Dhamtari	Upper Primary Lilar	61	No	
31	Dhamtari	Dhamtari	P.S. Lilar	100	No	
32	Dhamtari	Dhamtari	Middle School Bhawarmara	70	No	Maintained by Teacher, Students and Gardener
33	Dhamtari	Dhamtari	P.S. Bhawarmara	108	Yes	Maintained by Teacher, Students and Gardener
34	Dhamtari	Dhamtari	P.S Bagodar	22	No	
35	Dhamtari	Dhamtari	P.S. Aroud	83	Yes	
36	Dhamtari	Dhamtari	Middle School Aroud	73	Yes	
37	Dhamtari	Dhamtari	Middle School Jawargaon	57	No	
38	Dhamtari	Dhamtari	Primary School Jawargaon	83	No	Planning for next season
39	Dhamtari	Dhamtari	Middle School Mathuradih	40	Yes	Producing like Banana, Palak, Brinjel etc.

School Nutrition Garden at school level						
Sl.	District	Block	School	Enrolment	Availability School Nutrition Garden	Maintenance by
40	Dhamtari	Dhamtari	P.S. Mathuradih	63	Yes	Producing vegetables kike Palak etc.
41	Dhamtari	Magarload	P.S. Medha	78	No	Planning
42	Dhamtari	Magarload	Middle School Medha	162	Yes	Planning
43	Dhamtari	Magarload	P.S. Aroue	59	Yes	
44	Dhamtari	Magarload	Middle School Aroue	54	Yes	
45	Dhamtari	Magarload	P.S. Giroud	109	No	Pumpkin used for MDM on the day of visit
46	Dhamtari	Magarload	Middle School Grioud	77	No	Pumpkins used for MDM on the day of visit
47	Dhamtari	Magarload	P.S. Hardi	69	No	Under process
48	Dhamtari	Magarload	Middle School Hardi	76	No	Under process
49	Dhamtari	Magarload	P.S. Kundel	45	No	Under process
50	Dhamtari	Magarload	Middle School Kundel	61	No	Under process
51	Dhamtari	Magarload	P.S. Motimpur	99	Yes	Producing banana, Palak, pumpkin etc
52	Dhamtari	Magarload	Middle School Motimpur	57	Yes	Producing banana, Palak, pumpkin etc
53	Dhamtari	Kurud	P S Charra	180	Yes	
54	Dhamtari	Kurud	Middle School Mongara	78	Yes	
55	Dhamtari	Nagari	Middle school Guharnala	58	Yes	
56	Dhamtari	Nagari	P S Bandha	38	Yes	

Contingency plan at school level							
Sl.	District	Block	School	Enrolment	Availability of contingency plan	Tasting Roster	Before Sering meal tasted by
1	Rajnandgaon	Dongargaon	Primary School Tumdiboard	91	Yes	Yes	HM/Teacher/Sometimes Parents/sometimes SMC mengers
2	Rajnandgaon	Dongargaon	MS Tumdiboard	119	Yes	Yes	-do-
3	Rajnandgaon	Dongargaon	P. S. Pendarwani	114	Yes	Yes	-do-
4	Rajnandgaon	Dongargaon	Middle School Pendarwani	70	Yes	Yes	-do-
5	Rajnandgaon	Dongargaon	P. S. Bejevanda	84	Yes	Yes	-do-
6	Rajnandgaon	Dongargaon	Middle School Margaon	99	Yes	Yes	-do-
7	Rajnandgaon	Dongargaon	P.S. Margaon	173	Yes	Yes	-do-
8	Rajnandgaon	Dongargaon	P.S. Girgaon	93	Yes	Yes	-do-
9	Rajnandgaon	Jalgaon	Yadav Devchand Patil Middle Schools Mehrun	561	Yes	Yes	-do-
10	Rajnandgaon	Dongargaon	P.S. Gatatola	71	Yes	Yes	-do-
11	Rajnandgaon	Dungargarh	PS Hirapur	35	Yes	Yes	-do-
12	Rajnandgaon	Dungargarh	Middle school Motipur	72	Yes	Yes	-do-
13	Rajnandgaon	Dungargarh	Middle school paragaonkhurd	53	Yes	Yes	-do-
14	Rajnandgaon	Dungargarh	Middle school Reva Kathera	101	Yes	Yes	-do-
15	Rajnandgaon	Khairagarh	Middle school Mahrumgarh	110	Yes	Yes	-do-
16	Rajnandgaon	Khairagarh	PS Mahrumgarh	158	Yes	Yes	-do-
17	Rajnandgaon	Khairagarh	Middle school baldevpur	86	Yes	Yes	-do-
18	Rajnandgaon	Khairagarh	Middle school Amlipara	68	Yes	Yes	-do-
19	Rajnandgaon	Churiya	P.S Pinkapar	114	Yes	Yes	-do-
20	Rajnandgaon	Churiya	Middle School Pinkapar	177	Yes	Yes	-do-
21	Rajnandgaon	Churiya	Middle School Lalutola	57	Yes	Yes	-do-
22	Rajnandgaon	Churiya	P.S Lalutola	73	Yes	Yes	-do-

Contingency plan at school level							
Sl.	District	Block	School	Enrolment	Availability of contingency plan	Tasting Roster	Before Sering meal tasted by
23	Rajnandgaon	Churiya	P.S. Rajnitola	31	Yes	Yes	-do-
24	Rajnandgaon	Churiya	P.S. Chircharli	88	Yes	Yes	-do-
25	Rajnandgaon	Churiya	Middle School Chirchari	70	Yes	Yes	-do-
26	Rajnandgaon	Churiya	P.S. Telinbandha	138	Yes	Yes	-do-
27	Rajnandgaon	Churiya	Middle School Telinbandha	82	Yes	Yes	-do-
28	Rajnandgaon	Churiya	P.S. Bharritola	103	Yes	Yes	-do-
29	Rajnandgaon	Churiya	Upper Primary Bharritola	67	Yes	Yes	-do-
30	Dhamtari	Dhamtari	Upper Primary Lilar	61	Yes	Yes	-do-
31	Dhamtari	Dhamtari	P.S. Lilar	100	Yes	Yes	-do-
32	Dhamtari	Dhamtari	Middle School Bhawarmara	70	Yes	Yes	-do-
33	Dhamtari	Dhamtari	P.S. Bhawarmara	108	Yes	Yes	-do-
34	Dhamtari	Dhamtari	P.S. Bagodar	22	Yes	Yes	-do-
35	Dhamtari	Dhamtari	P.S. Aroud	83	Yes	Yes	-do-
36	Dhamtari	Dhamtari	Middle School Aroud	73	Yes	Yes	-do-
37	Dhamtari	Dhamtari	Middle School Jawargaon	57	Yes	Yes	-do-
38	Dhamtari	Dhamtari	Primary School Jawargaon	83	Yes	Yes	-do-
39	Dhamtari	Dhamtari	Middle School Mathuradih	40	Yes	Yes	-do-
40	Dhamtari	Dhamtari	P.S. Mathuradih	63	Yes	Yes	-do-
41	Dhamtari	Magarload	P.S. Medha	78	Yes	Yes	-do-
42	Dhamtari	Magarload	Middle School Medha	162	Yes	Yes	-do-
43	Dhamtari	Magarload	P.S. Aroue	59	Yes	Yes	-do-
44	Dhamtari	Magarload	Middle School Aroue	54	Yes	Yes	-do-
45	Dhamtari	Magarload	P.S. Giroud	109	Yes	Yes	-do-
46	Dhamtari	Magarload	Middle School Grioud	77	Yes	Yes	-do-
47	Dhamtari	Magarload	P.S. Hardi	69	Yes	Yes	-do-
48	Dhamtari	Magarload	Middle School Hardi	76	Yes	Yes	-do-

Contingency plan at school level							
Sl.	District	Block	School	Enrolment	Availability of contingency plan	Tasting Roster	Before Sering meal tasted by
49	Dhamtari	Magarload	P.S. Kundel	45	Yes	Yes	-do-
50	Dhamtari	Magarload	Middle School Kundel	61	Yes	Yes	-do-
51	Dhamtari	Magarload	P.S. Motimpur	99	Yes	Yes	-do-
52	Dhamtari	Magarload	Middle School Motimpur	57	Yes	Yes	-do-
53	Dhamtari	Kurud	P S Charra	180	Yes	Yes	-do-
54	Dhamtari	Kurud	Middle School Mongara	78	Yes	Yes	-do-
55	Dhamtari	Nagari	Middle school Guharnala	58	Yes	Yes	-do-
56	Dhamtari	Nagari	P S Bandha	38	Yes	Yes	-do-

Annexure-XI

Financial Year	2019-20
State	Chhattisgarh

Annual Data Entry for FY: 2019-20

S. No.	District	Total Schools	Completed (Saved)	% of School Annual data entry completed
1	SUKMA	936	922	98.5%
2	NARAYANPUR	565	563	99.6%
3	MAHASAMUND	1794	1791	99.8%
4	DURG	963	962	99.9%
5	KABIRDHAM	1477	1476	99.9%
6	BALOD	1238	1238	100%
7	BALODA BAZAR	1826	1826	100%
8	BALRAMPUR	1964	1964	100%
9	BASTER	2178	2178	100%
10	BEMETARA	1135	1135	100%
11	BIJAPUR	858	858	100%
12	BILASPUR	2502	2502	100%
13	DANTEWADA	867	867	100%
14	DHAMTARI	1336	1336	100%
15	GARIYABAND	1432	1432	100%
16	JANJGIR - CHAMPA	2327	2327	100%
17	JASHPUR	2265	2265	100%
18	KANKER	2205	2205	100%
19	KONDAGAON	1831	1831	100%

Annual Data Entry for FY: 2019-20

S. No.	District	Total Schools	Completed (Saved)	% of School Annual data entry completed
20	KORBA	2011	2011	100%
21	KOREA	1384	1384	100%
22	MUNGELI	941	941	100%
23	RAIGARH	2897	2897	100%
24	RAIPUR	1277	1277	100%
25	RAJNANDGAON	2647	2647	100%
26	SURAJPUR	1972	1972	100%
27	SURGUJA	1935	1935	100%
	Total	44763	44742	99.95%

Annexure-XII

Monthly data entry status for FY:2019-20										
S. No.	District	Freeze Schools	Apr	May	Jun	Jul	Aug	Sep	Oct	Avg.
1	BALOD	1238	1238	1238	1238	1238	1238	977	941	1158
2	BALODA BAZAR	1826	1826	1826	1826	1826	1718	1350	919	1613
3	BALRAMPUR	1964	1963	1963	1663	1548	1548	1546	1494	1675
4	BASTER	2178	2178	2178	2178	2178	2178	2178	2178	2178
5	BEMETARA	1135	1132	1125	1096	849	845	845	756	950
6	BIJAPUR	858	858	858	858	858	858	858	855	858
7	BILASPUR	2502	2502	2502	2502	2502	2502	2502	2502	2502
8	DANTEWADA	867	867	867	867	867	867	867	867	867
9	DHAMTARI	1336	1336	1336	1336	1336	1336	1336	1336	1336
10	DURG	962	961	961	961	961	961	961	939	958
11	GARIYABAND	1432	1432	1432	1432	1432	1432	1432	1263	1408
12	JANJGIR - CHAMPA	2327	2325	2325	2323	2073	2021	2021	2021	2158
13	JASHPUR	2265	2265	2265	2254	1914	1882	1497	651	1818
14	KABIRDHAM	1476	1474	1473	1473	1473	1471	1471	1466	1472
15	KANKER	2205	2205	2205	2205	2205	2205	2092	1641	2108
16	KONDAGAON	1831	1831	1831	1831	1831	1831	1750	1699	1801
17	KORBA	2011	2011	2011	2011	2011	1751	1686	835	1759
18	KOREA	1384	1372	1358	1350	1337	1289	946	837	1213
19	MAHASAMUND	1791	1784	1784	1492	1483	1483	1472	1084	1512
20	MUNGELI	941	941	941	941	941	941	941	941	941
21	NARAYANPUR	563	562	562	562	562	562	562	562	562

Monthly data entry status for FY:2019-20										
S. No.	District	Freeze Schools	Apr	May	Jun	Jul	Aug	Sep	Oct	Avg.
22	RAIGARH	2897	2600	2597	2594	2328	2000	1466	1448	2148
23	RAIPUR	1277	1277	1277	1277	1277	1277	1277	1277	1277
24	RAJNANDGAON	2647	2647	2647	2647	2647	2647	2645	2628	2644
25	SUKMA	922	913	913	912	727	541	452	379	691
26	SURAJPUR	1972	1972	1972	1972	1972	1972	1972	1972	1972
27	SURGUJA	1935	1935	1935	1935	1935	1935	1935	1935	1935
	Total	44742	44407	44382	43736	42311	41291	39037	35426	41514

% of school's monthly data entry status for FY: 2019-20										
S. No.	District	Apr	May	Jun	Jul	Aug	Sep	Oct	% of schools (Avg)	
1	BALOD	100%	100%	100%	100%	100%	79%	76.0%	94%	
2	BALODA BAZAR	100%	100%	100%	100%	94%	74%	50%	88%	
3	BALRAMPUR	99.9%	99.9%	85%	79%	79%	79%	76%	85%	
4	BASTER	100%	100%	100%	100%	100%	100%	100.0%	100%	
5	BEMETARA	99.7%	99%	97%	75%	74%	74%	66.6%	84%	
6	BIJAPUR	100%	100%	100%	100%	100%	100%	100%	100%	
7	BILASPUR	100%	100%	100%	100%	100%	100%	100.0%	100%	
8	DANTEWADA	100%	100%	100%	100%	100%	100%	100%	100%	
9	DHAMTARI	100%	100%	100%	100%	100%	100%	100%	100%	
10	DURG	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	97.6%	99.6%	
11	GARIYABAND	100%	100%	100%	100%	100%	100%	88.2%	98.3%	

% of school's monthly data entry status for FY: 2019-20										
S. No.	District	Apr	May	Jun	Jul	Aug	Sep	Oct	% of schools (Avg)	
12	JANJGIR - CHAMPA	99.9%	99.9%	99.8%	89.1%	86.9%	86.9%	86.9%	92.7%	
13	JASHPUR	100%	100%	99.51%	84.50%	83.09%	66.09%	28.7%	80%	
14	KABIRDHAM	99.9%	99.8%	99.8%	99.8%	99.7%	99.7%	99.3%	99.7%	
15	KANKER	100%	100%	100%	100%	100%	95%	74.4%	96%	
16	KONDAGAON	100%	100%	100%	100%	100%	96%	93%	98%	
17	KORBA	100%	100%	100%	100%	87%	84%	41.5%	87%	
18	KOREA	99.1%	98.1%	97.5%	96.6%	93.1%	68.4%	60.5%	88%	
19	MAHASAMUND	99.6%	99.6%	83.3%	83%	83%	82%	61%	84%	
20	MUNGELI	100%	100%	100%	100%	100%	100%	100.0%	100%	
21	NARAYANPUR	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	100%	
22	RAIGARH	89.7%	89.6%	89.5%	80.4%	69.0%	50.6%	50.0%	74%	
23	RAIPUR	100%	100%	100%	100%	100%	100%	100.0%	100%	
24	RAJNANDGAON	100%	100%	100%	100%	100%	100%	99.3%	99.9%	
25	SUKMA	99%	99%	99%	79%	59%	49%	41.1%	75%	
26	SURAJPUR	100%	100%	100%	100%	100%	100%	100.0%	100%	
27	SURGUJA	100%	100%	100%	100%	100%	100%	100.0%	100%	
	Total	99.3%	99.2%	97.8%	94.6%	92.3%	87.2%	79.2%	93%	

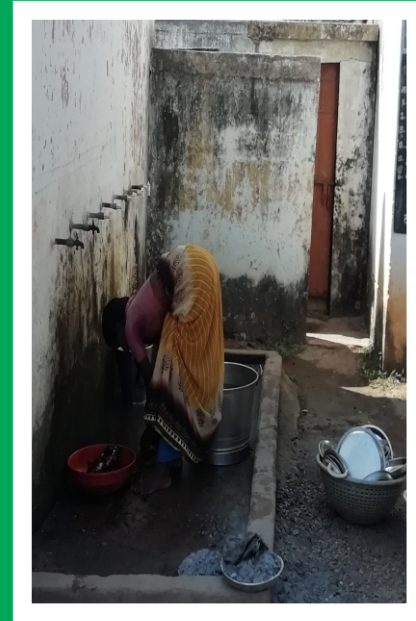
Schools



School Nutrition Gardens



Kitchen-cum-stores



Preparation of Meal



Children enjoying the meal



