



**Government of India
Ministry of Human Resource Development
Department of School Education & Literacy**

**Report of 3rd Review Mission on
Mid Day Meal Scheme**

**K E R A L A
(14-21st November, 2011)**



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Acknowledgement

1. District Collector, Ernakulam and Idduki
2. Deputy Directors Education, District Education Officers, Assistant Education Officers, Ernakulam and Idduki.
3. Representatives of Local Self Government
4. Food Corporation of India.
5. State Food & Civil Supplies Corporation
6. Representatives of Maveli Stores
7. Authorities of the visited districts/sub-districts
8. All our respondents

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1. Introduction.

The Mid Day Meal Scheme was introduced in Kerala 1984 in Lower Primary classes (I-IV) in 222 villages mainly inhabited by the fisher men. The scheme was extended to all LP schools in the State during 1984-85. The scheme was further extended in Upper Primary (V-VII) schools during 1987-88. Thus Kerala State was implementing the scheme ahead of launching of the scheme by Government of India which launched this scheme on 15th August, 1995 in Primary stage. The scheme was introduced in Upper Primary stage during 2007-08. Kerala also introduced this scheme in class VIII during 2007-08 because the above class was not covered under the scheme till that time.

1.1 Mid Day Meal Scheme is a flagship programme of Government of India which provides 100 per cent central assistance for cost of food grains supplied by the Food Corporation of India, Transportation Cost of food grains from FCI godowns to schools and charges for Monitoring Management and Evaluation of the Scheme. The cost for the remaining components such as Cooking Cost, Honorarium to Cook-cum-Helpers, Construction of Kitchen-cum-stores and Procurement of kitchen devices is shared between the Government of India and States in 75:25 ration for all States and Union Territories except North Eastern States where the sharing pattern is 90:10 between Central Government and State Governments.

1.2 Govt. of India constituted Review Missions (RM) in 2009 to review the implementation of the scheme in the selected State. This Mission is the 3rd RM of MDM which visited Kerala from 14-21st November, 2011. The Terms of Reference (ToR) for the Mission are attached at Annexure-I. The recommendations of the Review Mission are based on the evidences collected and the information gathered during the review of implementation of the Scheme in Ernakulum and Idduki districts.

1.3 Right to Education Act, 2009 and MDM: The Right of Children to Free and Compulsory Education (RTE) Act, 2009, envisaged under Article 21-A came into force with effect from 1st April 2010. SSA has been designated as the vehicle to realize the provisions of RTE Act, 2009.. Chapter 4, Para 21 of RTE Act, 2009 stipulates that preference will be given to disadvantaged groups and weaker sections while nominating the representatives for the School Management Committee. The Act further states that all schools should have all weather building consisting of a kitchen-cum-stores to cook mid day meal in the school by 2012-13. The model rules under RTE Act also provide that School Management Committee will monitor the implementation of the Mid Day Meal in the school. This Mission on Mid-Day-Meal Scheme in the State of Kerala is the 1st field based Mission after these developments.

2. Objectives of the Review Mission

- (i) To review the performance of the Scheme in Kerala in the light of the Guidelines of the Mid Day Meal Scheme.
- (ii) To suggest policy measures for effective implementation of the Scheme

3. MDM Scheme in Kerala at a glance

Mid Day Meal Scheme as announced by Government of India on 15th August, 1995 is being implemented in Kerala in continuation of its existing scheme which was launched in 1984. Initially the scheme was launched for children studying in class I-V in Govt., Govt. aided and local body schools and students enrolled in Education Guarantee Scheme Centres and Alternative and Innovative Education Centres. The scheme was extended to upper primary classes (V-VII) during 1987-88 and to class VIII in 2007-08, when Government of India had universalized the scheme in all Upper Primary Classes.

3.1: Performance of the Scheme during last three years:

1. Coverage under Primary

Year	Enrolment	PAB approval	Avg. availed MDM	% availed vs. Enrol.	% availed vs PAB app.
2008-09	2018532	1909491	1835141	91%	96%
2009-10	1870576	1776224	1793789	96%	101%
2010-11	1842832	1793789	1699651	92%	95%

2. Coverage under Upper Primary

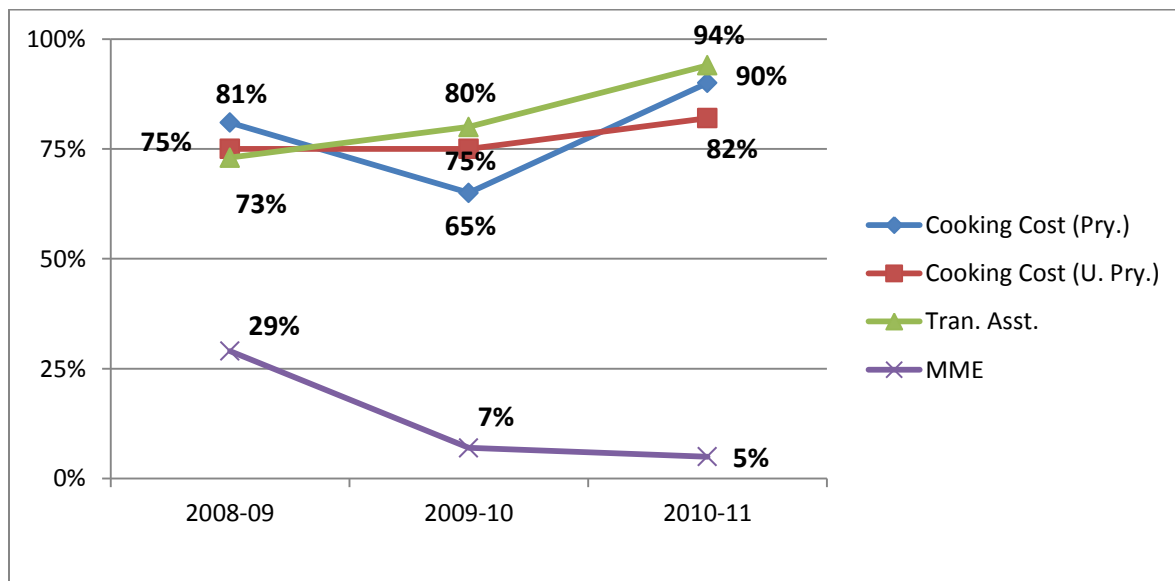
Year	Enrolment	PAB approval	Avg. availed MDM	% availed vs. Enrol.	% availed vs PAB app.
2008-09	1378798	1327695	1252417	91%	94%
2009-10	1361265	1252417	1108415	81%	89%
2010-11	1333357	1108415	1081966	81%	98%

3. Details of Availability of funds and Expenditure against Central Assistance

Component	2008-09		2009-10		2010-11	
	Availability of Funds	Exp.	Availability of Funds	Exp.	Availability of Funds	Exp.
Cost of FG (Pry.)						
Cost of FG (U. Pry.)					4067.12	3789.22
Cooking Cost (Pry.)	6033.99	4875.22	5612.87	3668.47	7246.91	6557.59
Cooking Cost (U. Pry.)	5576.32	4196.1	5260.15	3925.22	7364.31	6039.66
Transportation Cost	585.15	424.88	548.25	439.68	539.88	506.28
MME	296.75	84.97	277.93	19.64	346.47	16.3
Honorarium to cook-cum-helpers	0	0	0	0	2364	977.4
Total	12492.21	9581.17	11699.2	8053.01	21928.69	17884.05

4. % Utilisation of Central Assistance against availability

% Utilisation of Central Assistance against Availability			
Component	2008-09	2009-10	2010-11
Cost of FG			93%
Cooking Cost (Pry.)	81%	65%	90%
Cooking Cost (U. Pry.)	75%	75%	82%
Transportation Cost	73%	80%	94%
MME	29%	7%	5%
Honorarium to cook-cum-helpers			41%
Total	77%	69%	82%

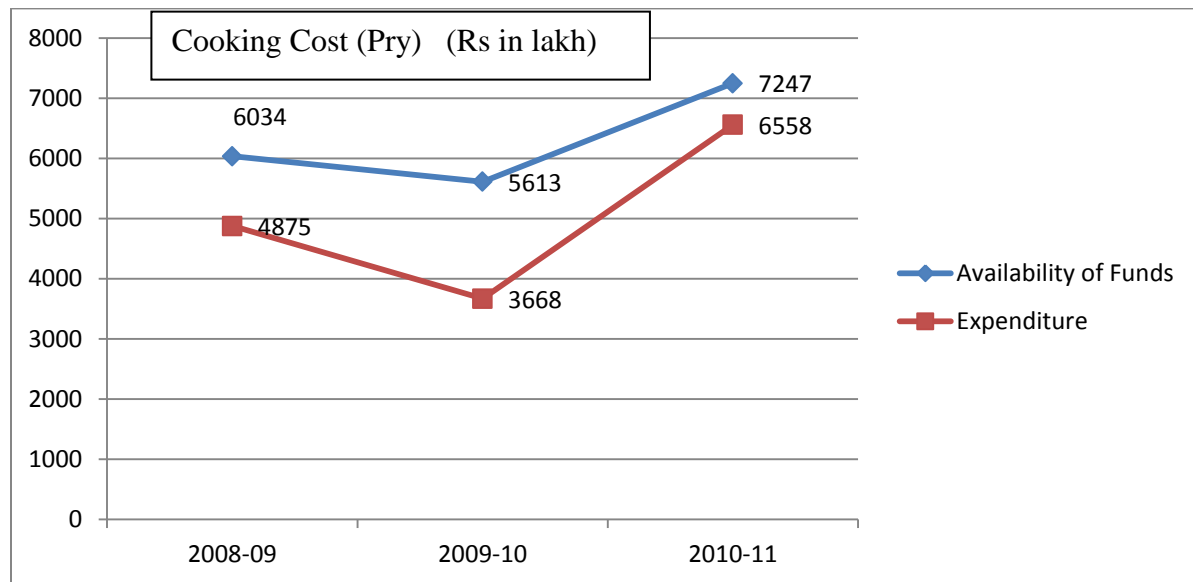


3.2: Component wise Details of Availability and Expenditure of funds against Central Assistance

1. Utilisation of Cooking Cost (Pry)

(Rs in lakh)

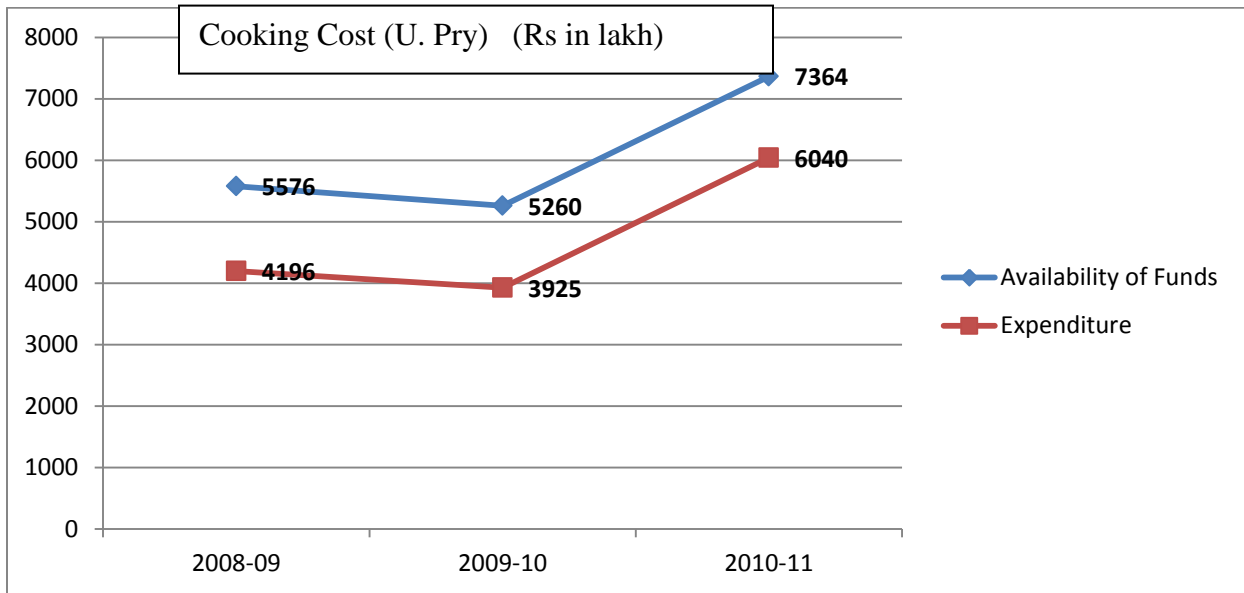
Cooking Cost (Pry)	2008-09	2009-10	2010-11
Availability of Funds	6034	5613	7247
Expenditure	4875	3668	6558



2. Utilisation of Cooking Cost (U. Pry)

(Rs in lakh)

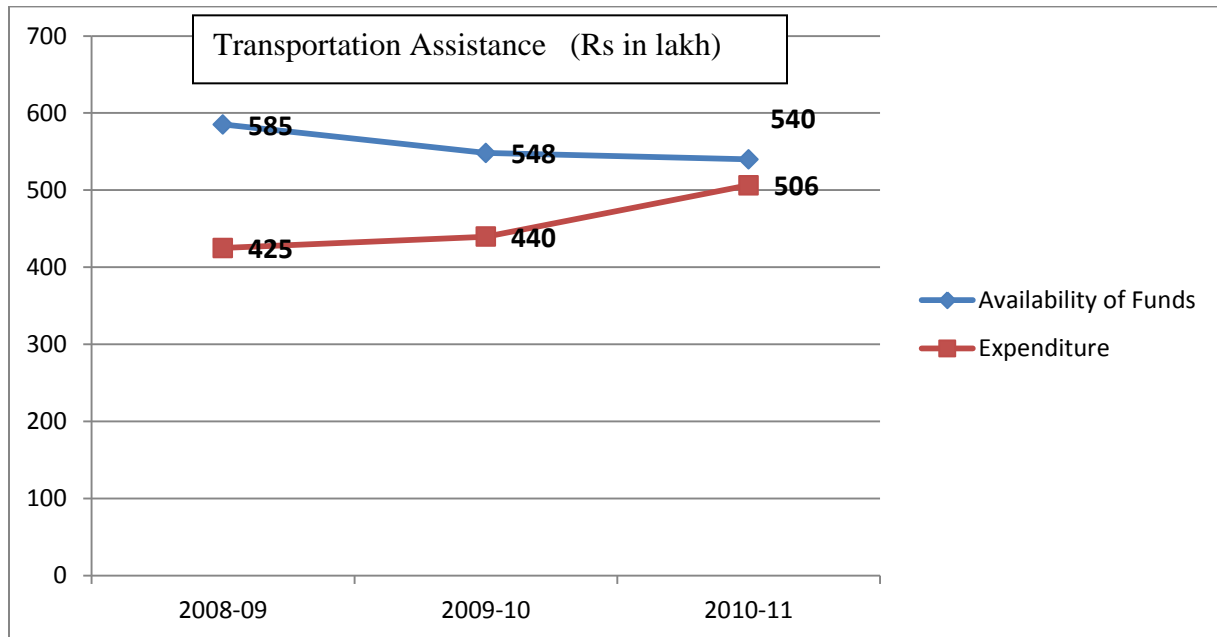
Cooking Cost (U. Pry)	2008-09	2009-10	2010-11
Availability of Funds	5576	5260	7364
Expenditure	4196	3925	6040



3. Utilisation of Transportation Assistance

(Rs. in lakh)

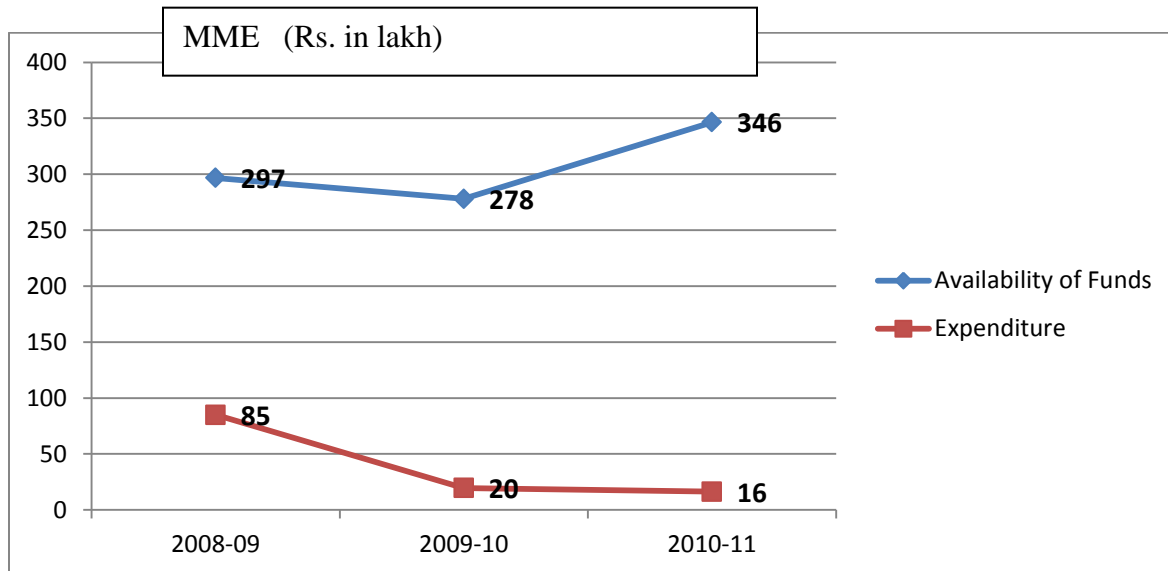
Transportation Asst.	2008-09	2009-10	2010-11
Availability of Funds	585	548	540
Expenditure	425	440	506



4. Utilisation of Management Monitoring and Evaluation(MME)

(Rs. in lakh)

MME	2008-09	2009-10	2010-11
Availability of Funds	297	278	346
Expenditure	85	20	16



4. Methodology

- i) Two districts viz. Ernakulam and Idukki were selected for review of the Scheme in the State of Kerala. Ernakulam was selected by the State Government and Idukki by the GOI on the basis of the performance of the Scheme in 2010-11. The multistage stratified systematic random sampling was used for selection of sub-districts in the selected districts. The same procedure was adopted for selection of schools in every sub-district in each district. 19 schools spreading across in 5 blocks in Ernakulam and 12 schools from 2 blocks in Idukki were selected to see the actual implementation of the Scheme. One school in sub-district Pala of Kottayam district was also visited by the Mission on random basis while going to Thiruvananthapuram.
- ii) Surprise visit was made in one school of Pala Sub-district in Kottayam district on random basis.
- iii) The Review Mission followed a methodology to capture in depth, the intricacies involved in the implementation of the programme. In spite of selecting a huge

sample, the review mission emphasized the need for a greater in depth inquiry to see the details in their entirety.

- iv) The documents available with the implementing agencies were carefully studied and analyzed. Detailed discussions were held with State, District, Block and School level functionaries
- v) Interview with stakeholders and record based inquiry methodology is followed to capture the information on the performance of the scheme during the visit.

5. Structure of MDM -setting up in the State

Mid Day Meal Scheme in Kerala is implemented by the Department of School Education which is headed by Secretary at State level. The Secretary is assisted by a Under Secretary, General Education on sharing basis at secretariat level.

Director of Public Instruction, Kerala is looking after many portfolios such as Text Book, Examination, Teacher Training (QIP), all type of Scholarships, Sports and Games, Special Education, IEDSS, Establishment matters, NFTW, Housing Scheme, Teachers Sanatoria Society, State Level Appellate Authority, Transfer and Promotion of Teachers and Vigilance matters **including mid day meal scheme**. No Additional Director/Deputy Director/DEO is looking after the scheme below DPI who is assisted by Senior Administrative Assistant (with one junior Supdt. and 7 assistants) at Directorate level. The Noon Meal Supervisor at district level looks after Mid Day Meal Scheme. At sub-district level AEO looks after the work of Mid Day Meal Scheme in addition to his other duties relating to other schemes. There is no dedicated staff for MDM below district level. Senior Finance Officer of the department of public instructions at Directorate level looks after financial matter of mid-day-meal in addition to his other duties.

The Review Mission found that in the sampled districts, posts of Noon Meal Supervisor are filled up. The Review Mission felt that the institutional set up for managing a scheme of the magnitude and vastness as that of MDM is not adequate because there is no separate Cell at secretariat level and a separate Director at Directorate level to look after the Scheme.

It is relevant to mention that following Departments have separate Directors for various schemes:-

- | | | |
|------|----------------------------|------------------------|
| i) | Sarva Shiksha Abhiyan | State Project Director |
| ii) | RMSA | Director |
| iii) | Vocational Higher Sec. Edn | Director |

- iv) Higher Sec. Education Director
- v) Department of Public Instructions Director
- vi) SCERT Director
- vii) State Instt. Of Edn Management & Technology Director
- viii) Executive Director, IT School Project Director
- ix) State Instt. Of Educational Technology Director
- x) State Instt. Of English Director

It would be pertinent to mention that a dedicated set up exists under the above said Directorates/programmes but no such arrangement is available under Mid Day Meal Scheme. Total Sanctioned Strength of all categories under MDM Scheme in Directorate of Public Instructions is as under:

Post	State	District	Educational district	Sub Districts	School	Remarks
Director	1	0	0	0	0	No exclusive Director/ Addl Director/ Joint Director/ Deputy Director/ Assistant Director for MDM
Additional Director	2	0	0	0	0	
Joint Director	1	0	0	0	0	
Deputy Director	6	14	0	0	0	
Assistant Director	2	0	0	0	0	
Senior Administrative Assistant	1	0	0	0	0	1 in addition to other work relating to Text Book etc
DEO	2	0	38	0	0	No exclusive DEO/AEO for MDM
AEO	0	0	0	163	0	
Noon Meal Supr.	0	14	0	0	0	14

Cook cum Helpers	0	0	0	0	1303 2	13032
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It is evident from the above table that there is no exclusive Director at Directorate level to look after Mid Day Meal Scheme. The Review Mission observed that none of the Additional Director, Joint Director, DDE, DEO and AEO have been exclusively assigned to mid day meal scheme at Directorate level.

The Review Mission observed due to lack of proper organizational structure, Mid Day Meal Scheme is not effectively being monitored properly at Directorate, District, Sub-district and school level. It was found by the Mission that except Noon Meal Supervisor in Idukki who had visited 12 schools during this financial year, the scheme was not monitored as per the guidelines which state that 25% mandatory inspections are to be carried out by the officials of the State Government.

The Review Mission proposes and recommends that a mid day meal authority headed by Director may be set up on the pattern of Uttar Pradesh, Rajasthan etc with following structure for MDM at State, District and sub-district level

Stage	Name of the Post	Number
State Level	Director	1
	Additional Director	1
	Deputy Director	3 (One each for South, Central and North Zone.)
	Administrative Officer	1
	Accounts Officer	1
	Programme Officer (in the grade of DEO/Senior Lecturer in DIET)	4 (One each for Planning & Monitoring, Research & Evaluation, Nutrition and MIS)
	Programmer	1
	Junior Superintendent/Jr. Accounts Officer	2
	Clerical Staff	8 (4 each for Jr. Supdt and Jr. Accounts Officer.)
	Support Staff (Group-D)	4

District	District Coordinator	14 (One for each Revenue district)
	Data Entry Operators	14
Educational District	District Coordinators	38 (One each for 38 Educational districts)
	Data Entry Operator	38 (One each for 38 Educational districts)
Sub District level	Sub District Coordinator	163 (One in each sub district)
	Data Entry Operator	163 (One in each sub district)

The above posts may be filled up on deputation/contractual basis and the expenditure may be debited to funds allocated under MME component of the scheme in which the Government of India provides cent percent Central assistance @ of 1.8% of total admissible Central assistance for four components of the scheme viz. i) food grain cost, ii) cooking cost, iii) transportation assistance and iv) honorarium to cook cum helpers. As per MDM Guidelines, the States / UTs have the flexibility to utilize 50% funds for school level expenses for forms, stationery, soaps, plates, glasses, mats, training of cook-cum-helpers and replacement / repair / maintenance of cooking devices, utensils storage bins etc. and 50% for other activities viz. hiring charges of manpower on contractual basis at various levels, hiring of transport and contingencies, office expenditure, furniture, computer hardware and consumables, capacity building of officials, preparation of relevant manuals, external monitoring and evaluation, publicity etc.

6. Strengthening of Management, Monitoring and Supervision of the Scheme in Kerala

The Review Mission observed that in Kerala, there is no online Management Information System (MIS) at present and the data is compiled manually at district levels and sub districts levels. Noon Meal Supervisors of Ernakulum and Idukki districts informed that they are sending information manually to the Directorate.

The Review Mission feels that MIS is an important management tool for monitoring the implementation of the scheme. Therefore, the State should take

necessary steps immediately for putting in place an effective MIS. If considered appropriate, the State may adopt MIS integrating with IVRS being developed by MHRD. The funds for this purpose may be utilized from the allocation under MME funds.

The Review Mission also observed that Noon Meal Supervisors are paid not more than Rs. 750/- per month towards traveling expenses. Because of this ceiling, these officers are not able to inspect far off schools because they would not be paid TA above Rs. 750 per month. Thus the frequency of their visit gets restricted. The Review Mission suggest that State Government should take necessary steps to remove the TA ceiling of Rs. 750 per month.

7. Cooking Cost

The Review Mission observed the cooking cost under primary and upper primary stages is being disbursed to various agencies to procure various ingredients to prepare hot cooked mid day meal as per the details given below.

S.No.	Name of the item	Primary		Upper Primary		Name of the agency receiving amounts
		quantity	Amounts Released	quantity	Amount Released	
1	Pulses	30 gms	2.60	30gms	2.60	KSCSC
2	Vegetables	50 gms	0.80	75gms	1.10	School
3	Condiments, spices, oils	5 gms	0.70	7.5gms	0.70	School
4	Fuel and transport		0.30	0.30	0.30	School
Total			4.40		4.70	

Source: AWP&B 2011-12

The State is also providing egg once a week and milk @ 150 ml per child twice a week. The expenditure on account of these items is fully borne by the State Government from its own resources.

The total cost of mid day meal as mentioned in Annual Work Plan & Budget 2011-12 submitted by the State to GOI, does not tally with State Government's claim of Rs.4.92 and Rs. 6.00 per child per day per child per day under mid day meal scheme. Moreover, the Review Mission observed during its visit to most of the schools that Parents Teachers Associations are providing green vegetables from their own resources and do not get reimbursement from the Schools or State Government. The Review Mission found from the records of the school that Rs. 1 per child per day is being given as cooking cost (Rs. 0.70 per child for condiments and Rs. 0.30 for fuel and transportation) for Primary as well as Upper Primary classes.

The divergent claims of the State Government and PTA about funding the green vegetables need to be resolved and assistance for this component be given to the schools directly. The Review Mission is of the opinion that the total cooking cost of mid-day meal should be given to the schools so as enable them to provide the calorific and nutritious quality mid day meal to the children.

8. Engagement and payment of honorarium to cook-cum-helpers

The Review Mission observed that State Government has engaged and making payment of honorarium to cook-cum-helpers as per the following details:-

S.No.	No. of Students	No. of CCH	Honorarium
i)	1-500	1	*Rs. 150 per working day
ii)	500 or more	1 addnl.	-do for each

*For 100 students and Rs.0.25 for each child above 100 children subject to maximum of Rs. 200.00 per day.

The Review Mission observed that it is very difficult for one cook-cum-helper to prepare and serve mid day meal to 500 children. The Review Mission also found that the honorarium to cook-cum-helpers is being paid in cash by the school even though it receives first instalment of funds in first week of September 2011 and none of the visited districts has so far paid honorarium to cook-cum-helpers through bank account.

The Review Mission recommended that State Government should take necessary steps to rationalize the engagement of cook-cum-helper based on the strength and workload of the school. The Mission also recommends that State Government should devise a mechanism for ensuring timely payment of honorarium to cook cum helpers through their banks accounts in CBS branch. It is also recommended that accounts of all cook-cum-helpers should be opened in CBS branch of the banks and money should be transferred through ECS mode i.e. e-transfer.

9. Performance of the Scheme in the visited Districts

- i) Beneficiaries of Mid Day Meal Scheme during last ten days from the date of visit are given at **Annexure-II**.
- ii) The list of schools indicating availability of infrastructure and other facilities in the schools visited by the Review Mission is given at **Annexure-III**.
- iii). Analysis of data is given at **Annexure-IV**.

10. Fund Flow Mechanism

At present, the State Finance Department releases the fund to Department of Public Instruction which in turn releases to Deputy Director of Education, Assistant Education Officer, Kerala State Civil Supplies Corporation and MILMA. The Deputy Director of Education makes the payment to FCI for the cost of rice. The Assistant Education Officer releases funds to the Headmaster for Vegetables, condiments, fuel and transport, remuneration to the cooks and procurement of eggs. The DPI makes the payment towards cost of pulses and transport. DPI also makes payments to MILMA for supply of milk.

The Review Mission observed that there are so many stages under which the fund passes through and took 5-6 months to reach to the school in 2011-12. The Review Mission suggests that the State Government should reduce the intermediate levels i.e., AEO so as to reduce present delay in releasing funds through e-transfer from Directorate to the school directly. It may be mentioned that Director General, Department of Education, Government of Punjab is releasing the funds to school directly. The State Government may like to study their fund release system for introducing the revised fund flow system in the State that encompasses reduced levels of fund flow.

11. Foodgrains Management

The Review Mission observed that the State Government has engaged the Kerala State Civil Supplies Corporation , a Government of Kerala Undertaking, for transportation of the rice from FCI depot and procurement of pulses as well as transportation to its outlets called Maveli Stores. The transportation rate is Rs. 1400 per MT. The additional cost of Rs 650 per MT for transportation over and above the Central assistance of Rs 750 per MT is borne by the State Government from their own resources. The said corporation is supplying rice and pulses to school on monthly basis as per the demand order submitted by the Assistant Education Officer for each school.

The Corporation also procures and supply green grams all the schools.

The Review Mission noted that the sufficient quantity of rice and green gram was available in all the visited schools.

12. Review of decision on centralised procurement and supply of green gram by Kerala State Civil Supplies Corporation.

The Corporation has been appointed as a nodal agency for procurement of Pulses (green gram) and its transportation to the schools. It is relevant to mention that cooking cost includes cost of pulses, vegetables, oil and fats, condiments and fuel. Therefore the Review Mission is of the opinion that procurement of green gram may be delegated to the school authorities. The decentralised procurement will enable the schools to locally procure green gram or other varieties of pulses. This will provide more flexibility to the schools to revise/ devise their menu as per taste of the children.

The Review Mission also observed due to the centralised procurement of green gram by the Corporation there is little scope for providing variety of pulses in the menu according to the local tastes. During the field visit, many teachers mentioned that locally available pulses may be allowed to be procured by the school. The Review Mission also endorses their suggestion and request the State Government to reconsider their decision of centralised procurement. This would also relieve the Corporation from the arduous job of procuring and supplying rice and pulses to the schools. The above suggestion is made to enable the school to procure vegetables from the local market.

13. Payment of transportation assistance to lifting agency

The responsibility of the lifting of rice and supply is being done by the agency i.e. Kerala State Civil Supplies Corporation as per contract with State Government. Accordingly, the corporation lifts the rice from the FCI go-downs and distributes to Maveli Stores, from where the schools lift the rice. The Mission observed that payment of transportation cost is being made to lifting agency by the Directorate of Education after receiving the certified bills from the Deputy Director of Education of the district.

The Review Mission found that there is no delay in payment to lifting agency during 2011-12.

14. Management of the Mid Day Meal Scheme

- i) School Noon Feeding Committee/ School Management Committee (SMC) - Mid Day Meal Scheme is implemented by Noon Feeding Committee at village level. The Review Mission observed that the hot cooked meal is prepared and served

to the children of the schools through School based cooking by the cooks engaged in the schools by the School Noon Feeding Committee.

- ii) Involvement of Communities -. The Review Mission found that there is a sufficient land in all the visited schools where they had constructed kitchen-cum-store by financial assistance from Member of Parliament Local Area Development Fund, contribution by the school authorities mostly in the Government Aided schools, Municipalities, MLA Fund, Coastal Area Development Fund. It is relevant to mention that NGOs/Trusts may be engaged for those schools where there is no space for construction of kitchen-cum-store in the school. Review Mission also observed that present system of implementation of MDM Scheme has provided opportunity to the community members participate and contribute in the scheme for creating infrastructure and providing nutritious hot cooked meals to the children.

15. Acceptance of Mid Day Meal

During the field visit to the selected districts, the Review Mission interacted with various stakeholders of the Mid Day Meal Scheme for seeking their views on the acceptance of the Scheme. The field observations brought out very clearly that the programme, despite its limitations, has exerted a very positive impact on the stakeholders. The perceptions of the different sections involved in the programme - the children, parents and the teachers are as under:

- i) Acceptance among the children - Most of the children interviewed were found to accept the Mid Day Meal willingly. The children irrespective of their background were found to enjoy the sharing of food. However, a section of the children, belonging to the relatively affluent section did not opt for mid day meal and they were excluded from the meal feeding strength under the scheme.
- ii) Acceptance among the parents - It was evident that the parents particularly the poor had a very positive view on the Scheme. In the schools where the programme is operational, parents wanted the Scheme to continue but certain improvements like introduction of variety of menu. Mid Day Meal is effective for economic and social reasons. One of the parent mentioned that Mid Day Meal Scheme has provided a platform to the children to learn so many good habits while taking the food. The involvement of Parent-Teacher Association is very good in 90 percent of the schools. The PTA president and members visit the school often. Parents are found to be helping the cooks in many schools. In some schools, the parents (not many, but one or two only) are found to be supporting the distribution of food to the students.

- iii) Acceptance among the teachers - The teachers were found to be very satisfied on the hot cooked meal being given to the children. A teacher, Ms. Vijaylaxmi, MKNM HSS Kumaramangalm of District Idukki took a lot of initiative in the mid day meal in their school to improve the quality of the meal. The teachers of the said school used to taste the meal publicly before serving it to the children. She mentioned that firewood and transportation cost is not sufficient. There was delay in reaching the fund to the school but the teachers managed the Scheme by contributing funds from their own resources so that the children are not deprived of the mid day meal. The money contributed by these teachers is recouped after receiving cooking cost from the State Government.
- iv) Acceptance by neighbouring households: The members of the Review Mission interacted with various persons living in the neighbourhood of the school to know about the implementation of the scheme in respective schools. Some of the children from these households had earlier studied from the school and were participating in the school activities with great respect because it infused the sense of belongingness to these ex-students and their parents. Some of the children had contributed in their own way for the school. For instance Excise Commissioner Chennai, being ex-student of the school has contributed for the construction of washing area in the school. The neighbouring households were highly satisfied with the implementation of the scheme in the school.

16. Payment of cost of rice to FCI

The Central Government had decentralized the payment of cost of foodgrains at district level w.e.f. 1st April, 2010. The Review Mission observed that the Deputy Director, Education at districts is making payment to FCI. Both the districts had made payment of all the FCI bills received up to September 2011.

The Review Mission observed that there is no delay in making the payment to FCI. As per guidelines of the MDM Scheme the FCI has to raise the bills within 10 days after lifting the foodgrains from FCI depot and payment should be made to FCI within 20 days from the receipt of the bills.

17. School Health Programme

The Review Mission observed that the health check up is not carried out in many schools by State Health Department and no health card of children was available any of the school visited. A few schools were visited by the Health Department only once in a year for carrying out health check up.

The State Health Department has not provided Iron supplementation and Micronutrients to the children of primary and upper primary classes under School Health Programme. .

The Review Mission desired that the State Government should take necessary steps to ensure regular health check up and distribution of spectacles to children with refractive error under School Health Programme of NRHM.

18. Infrastructure facilities

- i) Kitchen-cum-store – the long term viability and success of the Mid Day Programme must be linked to the provision of basic infrastructure required for efficient implementation of the programme so that minimum distraction of the teachers as well as the students takes place under the program. The Review Mission observed that kitchen-cum-store is available in 30 schools out of 32 visited schools. The Review Mission found that there is no kitchen-cum-store in the Govt. aided private schools and also found that the State Government of Kerala is not providing funds to Aided school for construction of kitchen-cum-store. However MDM guidelines envisage that aided schools are eligible for assistance for construction of kitchen-cum-store. As per RTE Act, 2009, all schools must have kitchen-cum-store by 2012-13. MDM guidelines envisages that Central assistance for construction of kitchen-cum-store can be provided to Govt. aided schools. The Review Mission advised that the State Govt. should submit the proposal as per plinth area norm and State Schedule Rates to GOI to enable it to sanction the Central Assistance for construction of kitchen-cum-store.
- ii) Kitchen Devices - The Review Mission observed that kitchen devices and eating plates are available in all the visited schools. The contribution of community is remarkable. The Municipalities of the visited districts have also made contribution for procuring of kitchen devices, eating plates and Tiffin boxes. The Review Mission found that the State Government has not provided funds for kitchen devices to Govt. aided private schools and schools located in urban areas. The Review Mission advised that the State Government should submit proposal to GOI to enable it to sanction the Central assistance for procurement of kitchen devices to Govt. aided and urban areas schools.
- iii) Fire Extinguisher: Fire Extinguisher was installed in kitchens-cum-stores in St. Thomas Girls High School, Perumanoor and four other schools Ernakulum and Idukki districts.

- iv) Drinking water Facilities: Drinking water was available in all the visited schools. One school in Idukki district was using rain harvested water for cleaning of utensils, gardening etc. Four schools were using water from open well which was well protected by wire mesh.
- v) Toilet facilities: Separate toilet for boys and girls were available in all the visited schools. In one of the schools in North Paravoor, local MP had contributed from his funds for construction of five e-toilets. Sister Clara, Headmistress, St. Thomas Girls High School, Perumanoor took initiatives in maintaining clean and hygienic toilets for the children.
- vi) Kitchen gardens: Little Flower UP School, Nediya Kad at Thodupuzha sub district under Idukki district had beautiful kitchen garden for vegetables which were used for Mid Day Meal Scheme. St. Thomas Girls High School, Perumanoor in Ernakulum district also had kitchen garden and plantation of Jack fruits, Coconut and Banana trees.

19. Evaluation of the Scheme

The Review Mission observed that there is no evaluation study conducted by the State Government during 2009-10, 2010-11 and 2011-12.

As per MDM Guidelines, Central Government is providing Central assistance for conducting the studies by reputed Institutions by utilizing funds provided under Management, Monitoring and Evaluation (MME) head of the Scheme.

The Review Mission suggested that State Govt. should engage reputed institutions to do study on Mid Day Meal Scheme at least one in a year. State govt. is also advised to constitute its own Review Mission to review the Scheme as per the defined ToR on the lines of the Central Govt. The State Review Mission may review the scheme through field visits in one poor performing district on bi-monthly basis.

20. Awareness Programme on MDM Day and Month

The Mid Day Meal Scheme is unique because of its nature, simplicity and visibility. The beneficiary under the scheme is almost present in each household particularly in the population from the disadvantage sections of the Society. But most of the beneficiaries and other stakeholders are unaware of the entitlements and rights of children under Mid Day Meal Scheme and also the significance of the logo of MDM. Government of India has issued guidelines for printing of logo on the outside wall of the

eligible schools. The Review Mission found that all the visited schools had displayed the logo on paper and pasted on the wall of the school. But school under Pala sub-district of Kottayam district where Review Mission made surprise visit, was neither aware of the logo nor the logo had been displayed on the walls of the school. The Menu as well as food norms were also not displayed in the schools.

Review Mission suggests that State Government should issue necessary instruction to the schools for displaying logo, daily menu, entitlements as well as rights of children on food norms at prominent places outside the wall so as to make the scheme more transparent and community responsive. The logo should also be printed on the official stationery. The information on the quantity of food grains received and utilised, daily menu, number of children given mid day meal, roster of community members involved should also be displayed prominently in the school.

In order to create awareness amongst community and other stakeholders, MDM day and MDM month may be celebrated. It is suggested that 28th November-the day on which Supreme Court passed orders for serving hot and cooked mid day meal, may be declared as MDM Day and November be celebrated as MDM month.

Children should also be sensitised about the importance of hand washing before taking meal, cleanliness, and hygiene. The stakeholders should also be involved in these activities and taking out rallies on MDM so as to inculcate among them a sense of belonging to the scheme. Adequate advertisement and publicity may also be arranged for this purpose through intensive media campaigns, distribution of brochure, pamphlets etc.

21. Training and Capacity Building

Cook-cum-helpers need to be trained for preparing hygienic and nutritious meal. The cook-cum-helpers are not aware about the use of double fortified salt or the time for which the meal is to be cooked. The Mission suggests that cook-cum-helpers may be trained through local Home Science Departments of Universities, Hotel Management Institutes, Food Technology Institutes etc in a phased manner to enable them to learn good practices of cooking. Similarly, other personnel associated with the implementation of the scheme should also be trained for upgrading their skills and enhancing their professional efficiency.

22. Grievance Redressal Mechanism

The Review Mission was unable to notice the existence of Grievance Redressal mechanism although the State Government had claimed in its AWP&B 2011-12 that a Grievance Redressal Forum has been constituted at State level with PTA members,

representatives of Teachers organisations, DPI, Local Body authorities etc in the visited districts. None of the visited schools has suggestion books, complaint register etc.

The Mission recommends that the Monitoring and Grievance Redressal mechanism up to grass root levels may be set up in order to address the genuine complaints of all stakeholders etc and to make the scheme more responsive to the stakeholders.

23. Hurdles to overcome

Some of the major problems are as under:

- i) Delay in fund release
- ii) Less release of cooking to the schools.
- iii) Lack of management structure at various levels.
- iv) Constraint in supply of fuel
- v) Infrastructural shortages
- vi) Lack social audit.
- vii) Monotonous Menu

24. Recommendations of the Review Mission :

i) Setting up of Management Structure at State, Districts, Sub-districts levels:

- a) Setting up of structure as proposed by Review Mission
- b) Filling up of posts on deputation/contractual basis.
- c) Providing mobility facilities to the officers at various levels.
- d) Provision of Computers, internet facility, mobiles etc to the officials

ii) Food grains management

Decentralization of procurement of Green Gram to Schools/PTA.

iii) Financial Management

- a) The Mission notes the significant increases in outlays and releases of MDM funds in recent years, especially in 2010-2011 and 2011-12 but the unspent balance has also increased correspondingly. The Mission also acknowledges that significant progress has been made in the timely submission of Quarterly Progress Reports and Monthly Progress Reports on MDM Scheme. The studies on MDM indicate that the scheme has created positive impact on educational and nutritional parameters. In order to enhance the performance of financial management in the context of the increasing outlays every year (especially in the context of RTE provisions), the following recommendations are made for :
- i. Rationalization of fund flow by reducing the intermediate levels
 - ii. Timely availability of funds to the schools and,
 - iii. Release of entire cooking cost to the schools to enable them to provide quality meal to the children.
 - iv. Payment of honorarium to the Cook-cum-helpers through their bank accounts in CBS branches.

iv) Implementation -

- a) PTA/MTA have emerged as one of the most successful components of MDM and make significant contribution to serve the children of the disadvantaged segment of the society. In this context, the Mission recommends that:
- (i) Involvement of PTA/MTA managed by women especially the women from the weaker and disadvantaged section of the society should be given priority in the implementation of MDM.
- b) A single cook in a school having large number of students finds it very difficult to complete cooking well before the lunch time commences. Rationalization of engagement of cook-cum-helper based on the strength and workload of the school may be done during this financial year.
- c) Involve School Management Committees/Noon Feeding Committee in the implementation, monitoring and social audit of the Scheme.

- c) Removal of TA ceiling of Rs.750/- per month for Noon Meal Supervisors.

v) Strengthening of monitoring

- a) Linking MDM to the AADHAR: The Review Mission acknowledges the challenges involved in identifying and addressing the specific needs of the enrolled children who are not yet covered under MDM Scheme and appreciates the Child Tracking System (CTS) undertaken by State Government of Kerala. In this respect, the Mission recommends that State should continue Child Tracking Surveys (CTS) both in rural and urban areas and integrate it with AADHAR number registered with UIDAI. This may be helpful for providing benefit of MDM to the eligible children of eligible schools.
- b) Use of the Management Information System integrated with IVRS being developed by MHRD
- c) Exposure visit - Inter-State exposure visits for officials of State Governments should be mandated to enable them to learn best practices on MDM followed in other States.
- d) Inspections by the officials- Considering that the scheme is not properly monitored at State level, specific goals may be assigned to Deputy Director of Education, Assistant Education Officers, etc., for making surprise inspections of the schools. At least 25% schools under their jurisdiction may be inspected by these functionaries during each quarter. The copy of their inspection report may be submitted to the Director, Public Instruction, Thiruvananthapuram.
- e) Evaluation Study: A research study to understand the current practices in the area of quality and equity be undertaken for developing State Plans which encompass significant milestones and indicators. A reputed institute may be engaged within six months of engaging them to evaluate the scheme and submit the report to Govt. of Kerala and Government of India.
- f) Setting up of State level Joint Review Mission to review the Scheme in a district on bi-monthly basis.

- g) Introduction of social audit mechanism of the Scheme.

vi) Capacity Building and Training -

a) Community mobilisation - Community mobilisation efforts need to undergo a qualitative shift by taking RTE norms into consideration whereby communities are also empowered to monitor the implementation of mid-day-meal scheme. In this context, the SMC training needs to be very different from the usual training for VEC in the past and the training module need to be conceptualized comprehensively. This training of SMC should also reflect specific needs and concerns of mid- day-meal scheme. The Mission recommends that Department of Education and SPD, SSA may develop SMC training module for mid- day-meal scheme also in the training module of SMC. The training guideline for school based cooking should be different from the centralised kitchens. The campaign for Shiksha Ka Haq launched by Ministry of HRD on 11th November, 2011 on Education Day, may be utilised as a platform for MDM to generate awareness on entitlements of children and other rights under MDM Scheme.

b) Use of distance learning method - The RM noted that distance education is a necessary mode for overcoming capacity building and training to functionaries of the mid-day-meal including cook-cum-helpers. The Mission recommends that the States using distance mode of training must consider a combination of face to face and distant learning approaches, and must use the new technology interventions. States should engage with higher education institutes like Avinashlingam University for Home Science and Department of home science of Agriculture Universities to impart training to stakeholders of MDM.

c) Training module and material for imparting training to functionaries at various levels and cook-cum-helpers may be organized in consultation with corporate bodies under Corporate Social Responsibility (CSR).

d) The curriculum for source books for primary and upper primary levels is prepared by NCERT. The States should now ensure that a chapter on mid-day meal scheme is included in the text books of all classes of elementary school.

vii) Improvement of Infrastructure facilities -

- a) The Mission recommends a deeper review of the construction of kitchen-cum-stores to ensure creation of infrastructure facilities by 2012-13, a mandate under RTE Act, 2009.
- b) Submission of proposal for construction of kitchen-cum-store in Govt. aided pvt. Schools in this financial year.
- c) Submission of proposal for procurement of kitchen devices for Govt. aided pvt. Schools in this financial year.

viii) Convergence -

- a) Improved hygienic practices through education in terms of hand-washing, safe drinking water etc. This will enhance the health benefits of this scheme.
- b) Regular health check up and supply of IFA tablets, Vitamin A, De-worming tablets and spectacles in convergence with School Health Programme of NRHM.
- c) Inclusion of construction of dining hall etc., in MNREGA.
- e) Construction of kitchen-cum-store in new schools under SSA.

ix) Publicity

- a) Observance of MDM Day and MDM Month.
- b) Adequate advocacy of the scheme with use of an IEC campaign in the State to highlight the scheme, its norms so as to bring in a component of community ownership of the scheme. The audio and video of an ideal MDM session in a school should be developed by the UNICEF for the State.

- c) MDM logo should also be exhibited prominently in the school.



- d) The rights and entitlement of children and daily menu should be displayed prominently on the outside wall of the schools.
- f) Utilisation of benefits of Shiksha Ka Haq Abhiyan launched by Ministry of HRD.

x) Mode of Cooking

- a) Promotion of Gas based and use of energy from the Renewable Non Conventional Energy Resources for cooking MDM.
- b) Discourage wood based cooking for creating pollution free environment.

xi) Grievance Redressal Mechanism

- a) Suggestion/Complaint book should be kept at a convenient place in the school to enable the visitors to give their suggestion and views for improving the scheme.

- b) A toll free number may be installed for lodging complaints and giving suggestions and it may be widely publicized.
- c) Use of MIS system in online registration of complaints of the stakeholders and its redressal.

(Dr. C. Gasper)	(V. Manoj)	(P. K. Krishnan)	(K. Ashok Rao)	(Gaya Prasad)
MI, CSDS	Representative of Hon'ble Supreme Court	Adnl. Director of Public Instruction, Govt. of Kerala	General Secretary, SSMI, New Delhi	Director, MHRD, GOI Team Leader

Date: 21.11.2011

Place: Thiruvananthapuram, kerala

Terms of Reference of Review Mission

- (i) Review the system of fund flow from State Government to Schools/cooking agency and the time taken in this process.
- (ii) Review the management and monitoring of the scheme from State to School level.
- (iii) Review the implementation of the scheme with reference to availability of food grains, quality of MDM, regularity in serving MDM as per approved norms and mode of cooking.
- (iv) Role of Teachers,
- (v) Convergence with School Health Programme (SHP) for supplementation of micronutrients and health checkups and supply of spectacles to children suffering from refractive errors.
- (vi) Creation of capital assets through kitchen-cum-store/kitchen devices
- (vii) Appointment of Cook-cum-Helpers for preparation and serving of meal to the children
- (viii) Availability of dedicated staff for MDM at various levels
- (ix) Review the maintenance of records at the level of school/cooking agency.
- (x) Review the availability of infrastructure, its adequacy and source of funding.
- (xi) Review of payment of cost of foodgrains to FCI by the districts
- (xii) Review the involvement of NGOs/Trust/Centralized kitchens by States/UTs Government in implementation of the Scheme.
- (xiii) Management Information System (MIS) from school to block, district and State Level to collect the information and disseminate it to other stakeholders
- (xiv) Assess the involvement of Community' in implementation of MDM scheme

and give suggestions for improvement in the implementation of the programme.

Annexure-II

Beneficiaries of Mid Day Meal Scheme during last ten days from the date of visit

Table 1: Ernakulam

Name of school	Govt./ Aided	Enrolment for MDM	Number of Mid Day Meals served during the last ten days											Total	Average per day
			First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth			
N. Paravur															
GHSS N.Paravur	G	66	62	62	62	62	62	62	62	62	62	63	59	625	63
S NHSS N.Parur	A	516	510	512	513	509	508	511	455	454	448	449	4936	494	
GVHSS Kaitharam	G	529	471	469	487	485	478	468	448	426	441	438	4702	470	
St. Aloysius HS N.Parur	A	471	471	463	462	469	461	469	469	460	467	453	4662	466	
Mattancherry															
GUPS Amaravathy	G	26	26	26	26	26	26	26	26	26	26	26	260	26	
OLCGHS Palluruthy	A	661	661	661	661	661	661	661	661	661	661	661	6610	661	
EMGHSS Veli	G	156	137	127	137	137	128	137	126	106	106	112	1297	130	
MMOVHSS Panayappilly	A	212	202	197	199	199	199	199	199	184	151	199	1941	194	
Ernakulam															
Fathima Girls HS Ernakulam	A	392	390	387	389	366	390	390	389	387	354	343	3785	379	
St.Thomas HS Perumanoor	A	305	297	299	302	301	304	302	300	260	254	250	2869	287	
Tripunithura															
St.Joseph's CGUPS Tripunithura	A	237	235	234	230	235	229	175	167	190	190	188	2073	207	
St. Mary's LPS Tripunithura	A	208	202	203	201	206	201	190	167	165	154	154	1845	185	
GUPS Thekkumbhagom	G	53	51	52	53	52	50	53	52	52	52	51	518	52	
GGHSS Tripunithura	G	203	195	197	194	193	193	194	194	185	175	175	1895	190	
Vipin															
EPLPS Elamkunnappuzha	A	473	458	473	455	473	449	449	473	444	434	473	4581	458	
GLPS Elamkunnappuzha	G	71	71	71	67	69	67	67	63	66	61	66	668	67	
GHSS Elamkunnappuzha	G	150	145	143	145	145	139	143	141	139	141	135	1416	142	
GUPS Puthuvaipu	G	79	62	62	62	62	62	62	62	70	69	65	638	64	
St.Mary's HS Vallarpadom	A	545	540	542	535	540	541	534	536	531	527	529	5355	536	

Table 2: Idukki

Name of school	Govt./ Aided	Enrolment MDM	Number of Mid Day Meals served during the last ten days											Total	Average per day
			First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth			
Arakkulam Sub-district															
Govt.New LPS, Koayathur	G	267	220	217	212	220	214	210	213	213	212	200	2131	213	
Govt. LPS, Kolapra	G	70	67	61	64	66	67	65	59	64	63	55	631	63	

Govt. HSS, Kodayathur	G	102	100	101	98	100	96	100	97	102	100	101	995	100
St. Thomas High School Thudanganad	A	220	214	212	216	218	210	211	217	216	205	202	2121	212
Govt. New LPS Kodayathur	G	62	60	62	60	61	59	60	60	59	60	57	598	60
Todupuzha sub-district														
GLPS Todupuzha	G	24	23	23	24	24	24	24	23	23	23	23	234	23
GHSS Todupuzha	G	102	95	101	101	101	101	101	99	93	101	85	978	98
SGUPS kallanickal	A	423	419	416	409	410	414	413	420	421	418	389	4129	413
St. Sebastian's UP School Thudupuzhas	A	656	614	612	611	610	612	601	592	603	603	591	6049	605
Govt. LPS, Karimkundu	G	169	166	162	163	162	162	164	160	164	162	160	1625	163
MKNM HSS, Kumaramangalam	A	288	274	268	273	275	274	268	270	277	274	273	2726	273
LF UPS Nedyakad	A	327	323	323	324	324	320	322	324	326	319	322	3227	323

Table 3: Pala sub-district, Kottayam district

Name of school	Govt./Aided	Enrolment for MDM	Number of Mid Day Meals served during the last ten days												Average per day
			First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	Total		
GUPS, Anthinad	G	58	42	42	42	42	40	42	42	42	42	41	41	416	42

Availability of Infrastructure facilities

Table 1: Ernakulum district

Name of School	Govt./ Aided	Enrolment for MDM	Kitchen	Store	Kitchen devices	Drinking water	Toilets	Fire Extinguisher	Fuel			Health check up of pupils	Payment made to cook-cum-helper during 2010-11
			Pucca/ Kutcha	Pucca/ Kutcha	Sufficient or Not	Well/ Borewell/ KWA	Sufficient or Not	Yes/ No	Wood	LP G	Bio-gas	Whether done this year	
N. Paravur sub-district													
GVHSS N.Paravur	G	67	Pucca	Pucca	Sufficient	KWA	S	nil	W	L	-	Yes	Yes
SNHSS N.Parur	A	516	Kutcha	Pucca	Not sfft.	KWA	Not Sfft.	nil	W	L	-	Yes	Yes
GVHSS, Kaitharam	G	529	Kutcha	Pucca	Yes	Borewell	S	nil	w	L	B	Yes	Yes
St.Alosius HS N.Parur	A	471	Kutcha	Pucca	N Sfft.	KWA	Not Sfft.	nil	W	L	-	Yes	Yes
Mattancherry sub-district													
GUPS Amaravathy	G	26	Kutcha	Pucca	Sufft.	KWA	sufft.	Nil	W	-	-	No	Yes
OLCGHS Palluruthy	A	661	Pucca	Pucca	Sufficient	KWA	Not Sfft.	nil	W	L	-	Yes	Yes
EMGHSS Veli	G	137	Kutcha	Pucca	Sufft.	KWA	Sufft.	Nil	W	-	-	Nil	Yes
MMOVHSS Panayappilly	A	212	Pucca	Pucca	Sufft.	KWA	Sufft.	Nil	-	L	-	Nil	Yes
Tripunithura sub-district													
St.Joseph's CGUPS Tripunithura	A	237	Pucca	Pucca	Not Sufft.	well	Sufft.	nil	W	L	-	Yes	Yes
St.Mary's LPS Tripunithura	A	208	Kutcha	Pucca	Sfft.	Borewell	Sufft.	Nil	W	L	-	Yes	Yes
GUPS Thekkumbhagam	G	53	Kutcha	Kutcha	Sufft.	Well	Sufft.	Nil	W	L	-	Yes	Yes
GGHSS Tripunithura	G	203	Kutcha	Kutcha	Not Sufft.	Well	Sufft.	Nil	W	L	-	Yes	Yes
Ernakulum sub-district													
Fathima Girls HS Ernakulam	A	392	Pucca	pUCCA	Sufft.	KWA	Sufft.	Yes	-	L	-	No	Yes
St.Thomas HS Perumanoor	A	305	Pucca	Pucca	Sufft.	Well	Sufft.	Yes	-	L	-	No	Yes
Vypin sub-district													
EPLPS Elamkunnappuzha	A	473	Kutcha	Kutcha	Not sfft.	Borewell	Not Sfft.	nil	W	-	-	No	Yes
GLPS Elamkunnappuzha	G	71	Nil	Nil	Not sufft.	KWA?	S	nil	W	-	-	Yes	Yes

ha													
GHSS Elamkunnappuzha	G	150	Kutchu	Pucca?	S	Well	Not sfft	nil	W	L	B	Yes	Yes
GUPS Puthuvaipu	G	79	Pucca	Pucca	S	KWA	Not Sfft.	nil	W	-	-	Yes	Yes
St.Mary's HS Vallarpadom	A	545	Kutchu	Kutchu	Not Sfft.	Well	Not Sufft.	nil	W	L	-	Yes	Yes

Table 2 : Idukki district

Name of the school	Govt./Aided	MDM Strength	Kitchen	Store	Kitchen device s	Drinking water	Toilets	Fire Extinguisher	Fuel			Health check up of pupils	Payment made to cook-cum-helper During 2010-
			Pucca/Kutchu	Pucca/Kutchu	Sufficient or Not	Well/Borewell/KWA	Sufficient or Not	Yes/No	Wood	LPG	11Bio-gas	Whether done this year	
Arakkulam sub-district													
Govt.New LPS, Koayathur	G	62	Pucca	Pucca	Sufficient	Well	Sufficient	Nil	W	L	-	Yes	Yes
Govt. LPS, Kolapra	G	70	Pucca	Pucca	Sufficient	Well	Sufficient	Nil	W	L	-	Yes	Yes
Govt. HSS, Kodayathur	G	95	Pucca	Pucca	Sufficient	Well	Sufficient	Nil	W	L	-	Yes	Yes
St. Thomas High School Thudanganad	A	220	Kutchu	Kutchu	Sufficient	Well	Sufficient	Nil	W	L	-	Yes	Yes
Toduuzha sub district													
GLPS Todupuzha	G	24	Kutchu	Kutchu	Sufft.	Well	sufft.	Yes	W	-	-	Yes	Yes
GHSS Todupuzha	G	102	Pucca	Kutchu	Sufficient	Well	Not	Nil	W	L	-	Yes	Yes
SGUPS kallanickal	A	420	Pucca	Pucca	Sufft.	Well	Sufft.	Yes	W	-	-	Nil	Yes
St. Sebastian's UP School Thudupuzhas	A	562	Pucca	Pucca	Sufft.	KWA, Well	Sufft.	Nil	W	L	B	Nil	Yes
Govt. LPS, Karimkundu	G	169	Pucca	Pucca	Sufficient	Well, R.W.H arvsting	Sufficient	Nil	W	L	-	Yes	Yes
MKNM HSS Kumaramangalam	A	288	Pucca	Pucca	Sufficient	Well	Sufficient	Yes	W	L	-	Yes	Yes
LF UPS Nedyakad	A	327	Kutchu	Pucca	Sufficient	Well	Sufficient	Yes	W	-	-	Yes	Yes

Table 3: Pala sub-district, Kottayam district

Name of the school	Govt./ Aided	Enro lmen t for MD M	Kitchen	Store	Kitch en devic es	Drinking water	Toilet s	Fire Extingu isher	Fuel			Health check up of pupils	Pay ment mad e to cook - cum- help er Duri ng 2010 -11
			Pucca/ Kutcha	Pucca/ Kutcha	Suffic ient or Not	Well/Bor e-well/ KWA	Suffi cient or Not	Yes /No	Wood	LPG	Bio-gas	Wheth er done this year	
Govt.UPS, Anthinad	G	58	Pucca	Nil	Suffic ient	Well	Suffi cient	Yes	W	L	-	Yes	Yes

Annexure-IV

Analysis of data

Table 1: Coverage of children under MDM in Govt. Vs. Govt. Aided School in Ernakulum district (%)

School category	Noon Feeding Days									
	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eight	Ninth	Tenth
Govt	91.52	90.70	92.50	92.35	90.40	90.92	88.07	84.92	85.07	84.55
Aided	96.17	98.78	98.18	98.48	98.08	96.52	94.93	92.94	90.55	92.01

Chart1: Coverage of children under MDM in Govt. Vs. Govt. Aided School in Ernakulum district (%)

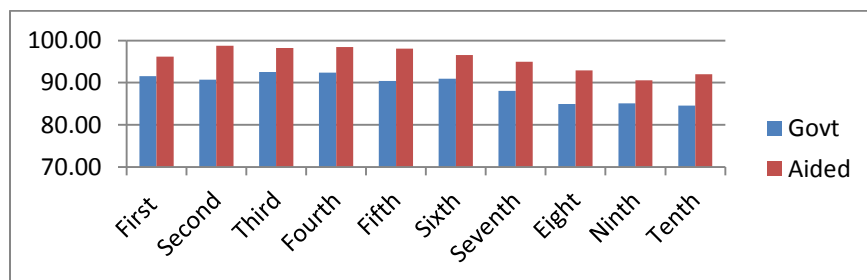


Table 2: Coverage of children under MDM in Govt. Vs. Govt. Aided School in Idukki district (%)

School category	Daily participation in MDM (%)									
	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eight	Ninth	Tenth
Govt Schools	91.83	91.33	90.70	92.21	90.83	90.95	89.32	90.20	90.58	85.55
Aided Schools	96.34	95.66	95.77	95.98	95.61	94.83	95.25	96.29	95.04	92.84

Chart 2: Coverage of children under MDM in Govt. Vs. Govt. Aided School in Idukki district (%)

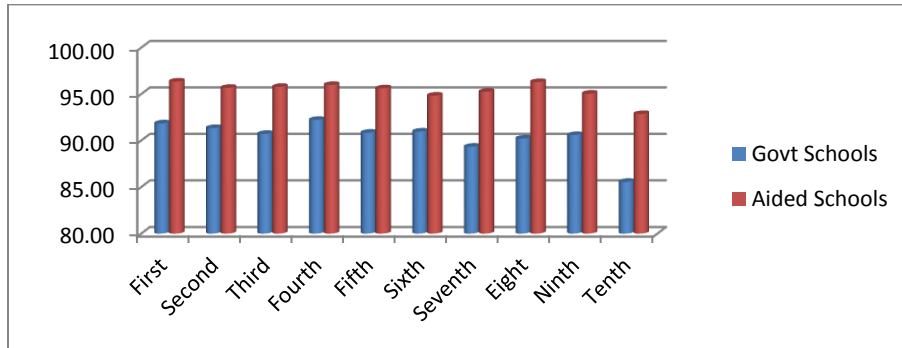


Table 3: Sub District wise coverage of children in Ernakulum district

Sub-district	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eight	Ninth	Tenth
N. Paravur	95.70	95.20	96.33	96.40	95.39	95.45	90.64	88.62	89.70	88.43
Mattancherry	97.25	95.83	96.97	96.97	96.11	96.97	95.92	92.61	89.48	94.60
Ernakulum	98.57	98.42	99.14	95.70	99.57	99.28	98.85	92.83	87.23	85.08
Tripunitura	97.43	97.86	96.72	97.86	96.01	87.30	82.74	84.45	81.46	81.03
Vypin	96.81	97.95	95.90	97.80	95.45	95.22	96.74	94.84	93.47	96.21

Chart 3: % of children availed MDM against their option during last 10 days

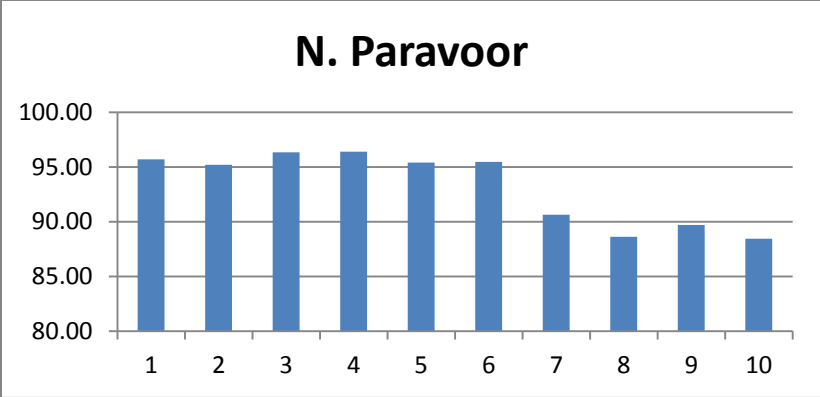


Chart 4: % of children availed MDM against their option during last 10 days

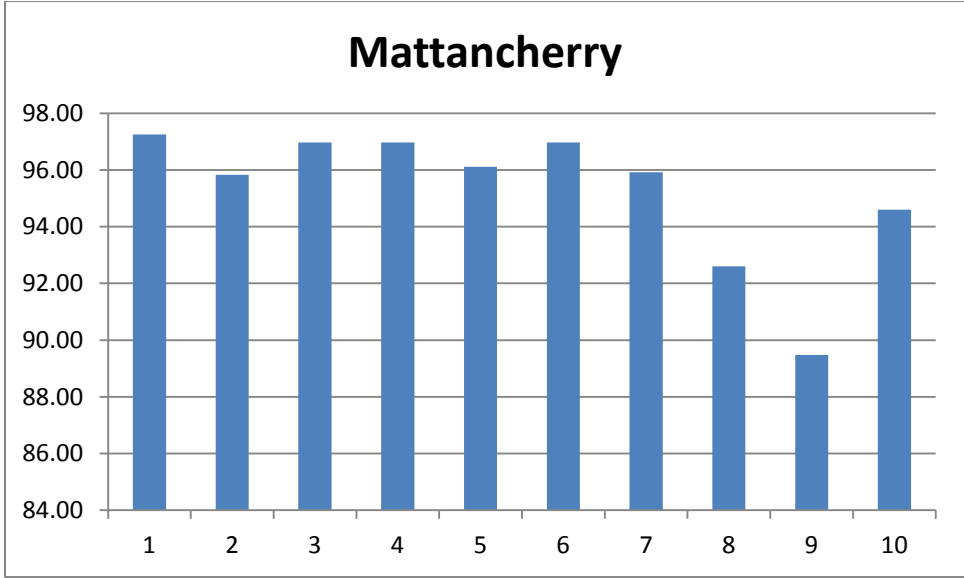


Chart 5: % of children availed MDM against their option during last 10 days

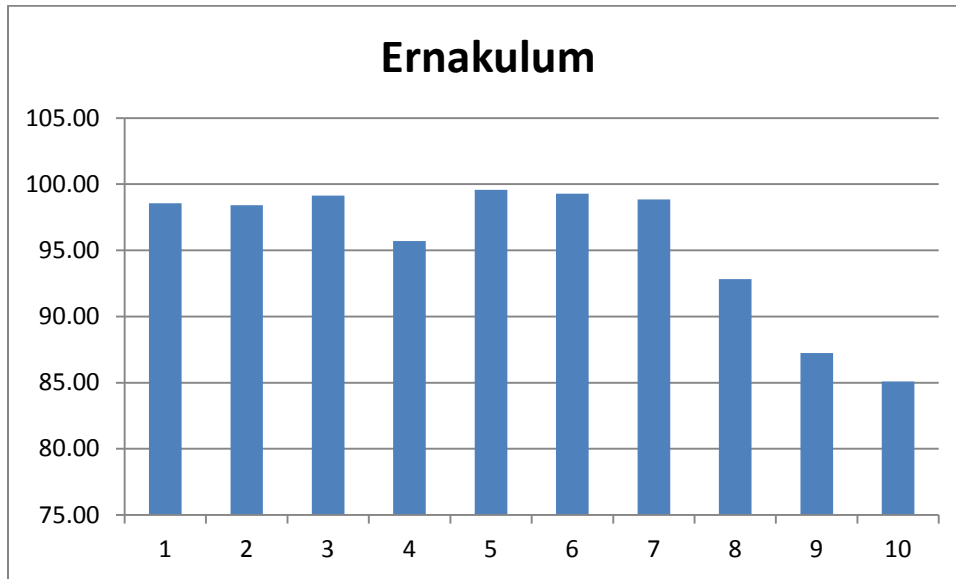


Chart 6: % of children availed MDM against their option during last 10 days

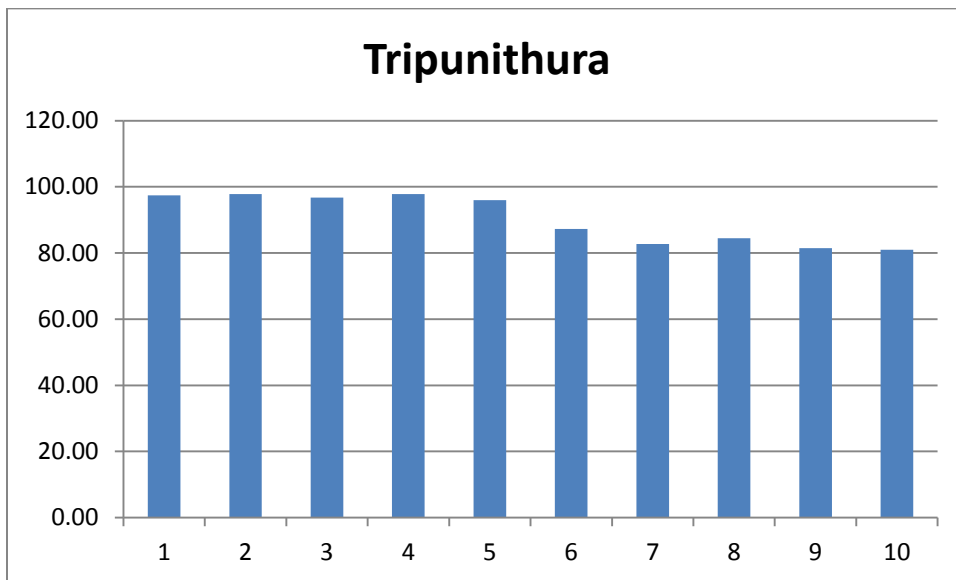


Chart 7: % of children availed MDM against their option during last 10 days

