Govt. of India
Ministry of Human Resource Development
Dept. of School Education and Literacy
Mid Day Meal Division

PAB-MDM meeting
to consider and approve AWP&B 2020-21

(Date of the meeting: 19.02.2020)

मध्याह्न भोजन योजना
Mid Day Meal Scheme

APPRAISAL NOTE

National Informatics Centre (NIC)

Major Activities being carried out by NIC

MDM-Management Information System (MIS) portal: There are over 40 thousand users at Centre, State, District, Block level accessing the MDM-MIS portal. The portal captures monthly data, which helps in monitoring the critical components/ indicators of the MDMS such as no. of days mid day meal served, no. of children served meals, honorarium paid to cook-cum-helpers etc. The portal also captures information on important parameters like no. of cook-cum-helpers engaged, availability of Infrastructural facilities like Kitchen-cum-stores & Kitchen devices, mode of cooking etc. on annual basis. The data entered into MDM-MIS portal is automatically compiled and all the relevant reports are made available to users at various levels. Further, in order to monitor the performance of development of school nutrition gardens, a functionality is being developed under MIS under which users at school, block, district and State level would upload pictures of kitchen gardens (school-wise) periodically.

MDM website: MDM website contains documents related to release of central assistance to the States/UTs; State/UT wise allocation of food grains; best practices followed by States/UTs in implementation of the scheme; documents related to Programme Approval Board meetings; guidelines for implementation of Mid Day Meal scheme; relevant reports on observations of joint review mission, important notifications, circulars, office orders. The user interface of the website is being improvised on the lines of Shagun. Templates of new website have already been submitted to the department as well as the NIC team working on Samagra Shiksha Shiksha and Shagun portal for interlinking with their website.

Automated Monitoring System (AMS): The Automated Monitoring System (AMS) is used to report and monitor online, the daily number of meals served at School Level and the reasons, if meals are not served. The data is being collected by States/UTs by different communication modes (like SMS, IVRS, Mobile APPs, Online web applications) and then sent to NIC central server in a predefined format which is shown on the portal being maintained by NIC. Based on the data collected, various drill down dashboard reports are made available for real time monitoring of the scheme at National/State/District/Block level. In this regard email alerts are also being sent to States/UTs regarding implementation of AMS on daily basis.

Status of implementation of various activities approved by PAB-MDM during 2019-20 is given below:

Sr. No.	Component	Activity	Status of the Activities	Estimated Cost (Rs. In Lakhs)
1	For redesign of MDM website and interlinking with Samagra Shiksha Website	Development of Content management system and integration Compliance to GIGW guidelines	• Existing website already linked with Samagra Shiksha and Shagun Website • Revised template for website already submitted to department and NIC team of Samagra Shiksha	12.00
2	AMS, MIS portal and integration with UDISE+	Maintenance of portal (2 manpower for 1 year)	Day to day technical issues related to MIS and AMS being resolved. Various changes being carried out as communicated by Department	24.77
		Aligning master and transaction data with UDISE+ (1 manpower: DBA for 12 months)	School master data of 70 % schools aligned with UDISE+. Remaining data is being aligned and expected to be completed by September, 2020.	8.75
		Hardware		1.18
		Security audit		2.50
		Capacity building/ training modules/ training and orientation for on boarding of States/UTs	User Manual for all the stakeholders (including Step by step activities), has already been prepared and made available on the portal.	1.00

3	SMS Services	SMS Services for :
		  a) AMS
		  b) National Award to Teachers (NAT)
			SMSs were sent for sharing of vital information on various activities related to AMS, NAT and Pariksha Pe Charcha 2020 etc.	2.36

	Total			52.56*

* includes NICSI administrative charges and GST@18%

Note: Details of activities performed by NIC including the ones approved by PAB-MDM and other activities during 2019-20 are given at **_Annexure-I_**

Sanction and Release of funds for 2019-20:

Rs. In lakh

Financial Year	Amount Approved	Amount Released / under release	Unspent balance being revalidated	Total (Col.. 3+Col. 4)
1	2	3	4	5
2019-20	**52.56**	**23.47**	**13.44**	**36.91**

Proposal of NIC for FY 2020-21

Appraisal of proposal of NIC for 2020-21

NIC submitted a proposal with a projected a fund requirement of Rs. 24.76 lakhs. The estimates were based on the requirements of existing man power and additional manpower to be hired from National Informatics Centre Services Inc. (NICSI) at rates approved by NICSI and the hardware and software which would be procured through GeM.

DE&IT (now MeitY), vide its dated 18.06.2014 and 10.02.2015 has designated NICSI, a PSU under its administrative control, to undertake paid Information and Communications Technology (ICT) related projects of various Ministries directly or on behalf of NIC. NICSI, as per the Standard Operating Procedure (SOP) approved by MeitY, is mandated to empanel consultants by following procedures which are in compliance with the General Financial Rules (GFR).

Apart from various ongoing activities already approved by PAB-MDM 2019-20 which have been detailed out in the preceeding section, following activities are proposed to be carried out by NIC in 2020-21

No.	Activity to be undertaken in 2020-21	Requirement of funds for 2020-21 (Rs. In lakh)
1	Maintenance, Enhancement & support Services of MDM-MIS, MDM-AMS Portal	18.76
	Resolution of day to day technical issues related to MIS and AMS. Various changes to be carried out as communicated by Department	
	School master data of 70 % schools aligned with UDISE+. Remaining data is being aligned and expected to be completed by September, 2020.	
	User Manual for all the stakeholders (including Step by step activities), has already been prepared and made available on the portal and will be continuously updated.	
	Revised template for website already submitted to department and NIC team of Samagra Shiksha. The same will be developed based on approved template and linked with Samagra Shiksha and Shagun Website after requisite go ahead	
2	SMS Services For notifications for AMS, National Award to Teachers and Pariksha Pe Charcha etc	6.00
	Total	**24.76****

** includes NICSI administrative charges @7% and GST@18%
The projects will be executed through NICSI empaneled Vendors, empaneled for the application, website development and enhancement, consulting services, implementing agencies, cloud support, certifications agency for security and quality in manpower or outsource model. The rate of manpower per man months is based on the currently applicable rates for NICSI empaneled agencies.

The fund requirement for 2020-21 is Rs. 24.76 lakhs which includes NICSI administrative charges @7% and Goods & Services Tax(GST) @18%. Fund release will be subject to adjustment of unspent balance available with NICSI. The funds are to be released in favour of NICSI, New Delhi.

NIC will follow the procedures for execution of the above projects as governed by office order dated 18th June, 2014 and 10th February, 2015 of DE & IT (now MeitY). Also NIC to follow SOP dated 26th April, 2016 of NICSI for assigning work to Empaneled Consultancy Agencies.

The requirement of fund for these projects will be met from Professional Services head of account under National Component.

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Ongoing/Completed activities carried out by NIC during 2019-20 (up to January 2020.)

On Going Maintenance Activities

1. Both MDM-MIS & MDM-AMS Application Maintenance, Enhancement & Support Services
2. On request basis, updation/Modification/Development of reports delivered to Centre / State / District / Block.
3. School Master data updation according to rearrangement of State/UT and Districts
4. Database Maintenance for both the applications (MDM MIS and AMS)
5. MDM AMS Daily email alerts to State/UT regarding status of reported or not reported schools.
6. AMS Monthly Report on Schools Reported / Not Reported and Local Holiday in out of Reported Schools.
7. AMS Monthly Meal Served Report of Reported Schools.
8. Standard Monthly Reports of MDM-MIS

Newly Developed

1. School wise Photographs Uploading Functionality for all MDM MIS stack holders (Photographs like School Kitchen Garden and School health Programme). Available on testing environment.
2. Redesigning of Data Entry Forms Reports (Annual Data Entry Form and Reports etc.)
3. Updation of User interface for MDM DBT Entry Module and Report
4. More attractive, user friendly and responsive Report design of MDM-MIS & MDM-AMS (Monthly date wise reported Status etc.)
5. Development of new drilldown analytical reports
6. Automated system, Dashboard for dynamic daily meals served / not served data of all the States using daily MDM-AMS data collected from schools
7. Provision to generate adhoc reports by users
8. Graphical Dashboards for various levels of monitoring.
9. State / District / Block / Village Codes mapping with LGD Codes

Ongoing New Developments
1. Redesigning of Present Static MDM Website into a dynamic website. Already shared 4 website templates with the Ministry and waiting for suggestion /feedback
2. Mdmonline.gov.in domain Renewal and DNS Mapping with IP address 164.100.160.114 to online the site, after getting necessary approval from the Ministry.
3. As per TRAI guidelines, SMS Header and Content Template Registration for sending SMS to concerned groups. Resubmission of request to TRAI for Government rates for SMS.

SMS Services

National Awards to Teachers

1. The Scheme of National Award to Teachers with the object of raising the prestige of teachers and giving public recognition to the meritorious services of outstanding teachers working in Primary, Middle and Higher Secondary Schools.

Like Every Year this year also bulk SMS communications were sent to about 27 lakh registered teachers, DEOs, last year NAT Registered Teachers, informing /remaining about the NAT and to encourage them to participate.

2. Successfully completed Web casting of NAT Programe at Vigyan Bhavan on Sep 4 and Sep 5 2019

Reminder on Daily reporting of meals severed through SMS

3. SMS to all the Registered MDM teachers has been to send, remaining them to sent daily Mid Day Meal served/unserved data to toll free number 15544

Samagra Shiksa Jal Surakhsha

As directed by Secretary (SE), SMS sent to all teachers registered on MDM-MIS portal to encourage participation of maximum student in Samagra Shiksha Jal Suraksha activities.
SMS has been Sent to 27 lacs Users (Teachers and DEO's.) Near about 54 lacs SMS Sent to users .

Pariksha Pe Charcha 2020 – SMS sent twice (16th December 2019 & 16th January 2020)

As directed by JS (EE.I), SMS has been sent to all teachers registered on MDM-MIS portal to encourage participation of maximum students in the ParikshaPe Charcha meeting /discussion with PM.
SMS Sent to 27 lacs Users (Teachers and DEO's.) Total Number of SMS Sent to users near about 54 lacs.
Also time to time bulk SMS where sent to MDM teachers, DEOs regarding MDM activities.
Video Conferencing, Webcasting activities were also successfully done.

Additional Work

Development Web Site and online application for Samagra Shiksa Jal Surakhsha and Vriksha Ropan

Department of School Education & Literacy, Ministry of Human Resource Development has come up with, Shala Jal Shakti Abhiyan (SJSA) programme to promote water conservation activities for the school students in our country. With this initiative, school students will become competent, conscientious and committed water citizens of our nation.

Inspired by the Honorable Union Minister of Human Resource Development's appeal made during the launch of 'Samagra Shiksha Jal Suraksha' campaign, the Ministry has requested all the Schools in the States and UTs that every student must plant a tree on his/her birthday. The students may be encouraged to plant a tree, take a selfie with it and show it to their school teachers. The best efforts of students in tree plantation may be awarded suitably.

Teachers from all the schools has to SMS on daily water saved and daily trees planted by the students.

The website and application development includes:

- Introduction to the Projects
- Online dashboard indicating following statistical Data

- Total Numbers of Schools Registered
- Daily Schools Reported for both the activities
- Daily Water saved in litres and Trees Planted by each school
- Cumulative Water saved in litres and Trees Planted
- State wise Online Status Reports of above activities
- Master Data Directory Management
- Data Protection Rule Management
- Business Rule Management
- Web Forms & Templates Design
- Process Flow Management
- Messaging templates
- Messaging Integration
- SMS Key word registered for Jal Suraksha **JSA**
- SMS Key word registered for Vriksha Ropan **SSVR**
- SMS by Teachers to Toll free number **1544**
- Separate SMS Account for both activity (SMS Account Name : jsamhrd)
- Participating MHRD, States, Districts, Blocks and Schools Information Management
- Alerts SMS to concerned officers regarding status of data reported