Role of MIS unit

The MIS Unit is responsible for collection, integration, processing, maintenance and dissemination of data and information to support decision making, policy-analysis and formulation, planning, monitoring and management at all levels of the education system.
Management Information Systems

- District Information System for Education (DISE)
  - School Based MIS
- Household Survey
- Census
- 7th AISES (8th in progress)
- NSSO
- Research Studies
- Web-portal, SSA
  - District Based MIS
DISE – Data Flow Diagram

National Level

- State / District Reports

State Project Office

- MIS coordinator
- Computer Programmer (1-4)
- Data entry operator (1-4)
- District Reports
- DISE Database

District Project Office

- MIS coordinator (1)
- Data entry operator (1-3)
- Blank DCF
- Filled-in DCF or DISE database

Block (BRC)

- MIS coordinator (1)
- Data entry operator (1-3)
- Filled-in DCF

Cluster (CRC)

- Village
- School

Reports

Cluster Reports
DISE – Coverage

- Data is collected from all schools imparting elementary education
- Complete data available since 2005-06
- States started collecting data from unrecognized schools during 2010-11
- School-wise data maintained at all levels including teachers profile
DISE – Type of data

- School particulars
  - School category, Management, Rural/urban etc.
- Infrastructure
  - Building, classroom, drinking water, toilet etc.
- Teachers profile
  - Regular/Para, gender, qualification (professional/academic), dob, caste, category, in-service training, subjects taught, non-teaching assignments etc.
DISE – Type of data

- Enrolment
  - Grade, gender, social category, age and medium of instructions, type of disability
- Repeaters
  - Grade, gender, social category and reasons of repeating
- Incentives
  - Stage, gender, social category, type of incentive
DISE – Data veracity

- CRC verifies 100% Data Capture Formats (DCF) –
- BRC is supposed to verify 10%
- District office is also supposed to check 5%
- In-built internal consistency checks available
- Comparative reports are sent from National level
- Post enumeration survey is conducted every year (5% random sample)
DISE – Publications/ dissemination

- Flash Statistics (includes EDI)
- Analytical Reports
- State Report Cards
- District Report Cards
- Rural India – Analytical Tables
- Urban India – Analytical Tables
- [www.schoolreportcards.in](http://www.schoolreportcards.in)
Use of DISE data for AWP&B
Additional teachers

At Primary level

- Admitted children Up to 60 – Two
- Between 61 to 90 – Three
- Between 91 to 120 – Four
- Between 121 to 200 – Five
- Above 150 - 5 teachers + one Head teacher
- Above 200 - Pupil-Teacher Ratio shall not exceed 1:40 (excluding Head teacher)
Additional teachers

At upper primary level

(1) At least one teacher per class so that class there shall be at least one teacher each for—
   (i) Science and Mathematics;
   (ii) Social Studies;
   (iii) Languages.

(2) At least one teacher for every thirty-five children.

(3) Where admission of children is above one hundred
   (i) a full time head-teacher;
   (ii) part time instructors for—
       (A) Art Education; (B) Health and Physical Education; (C) Work Education.
Estimation of teacher requirement

- Head teachers requirement estimated on the basis of schools with current enrollment of more than 150 at Primary and 100 at Upper Primary level

- Number of part time instructors required in each upper primary school with enrolment above 100 @ 3 part time instructors
Estimation of teachers availability

- Teachers in position in primary/upper primary schools
- Teachers recruited after the data collection
- Balance teachers to be recruited under SSA
- Teachers to be recruited under State quota
- Excess teachers available for redeployment in schools maintaining district as a cadre

- Net Requirement = Required - Available
Estimation of additional classrooms

- Total classrooms required estimated using RTE norms in existing schools with current enrolment
- Requirement of Addl. Classrooms estimated based on teachers requirement in 2011
- Head master room requirement \textcolor{red}{minus} additional rooms available in the school
Estimation of classrooms available

- Classrooms available in existing schools (Total classroom - excess classrooms)
- Classrooms completed after last data collection
- Classrooms yet to be completed under SSA (including sanction of 2011-12)
- Net requirement = Required - available
Infrastructure

• All-weather building consisting of—
  (i) barrier-free access;
  (ii) separate toilets for boys and girls;
  (iii) safe and adequate drinking water facility to all children;
  (iv) a kitchen where mid-day meal is cooked in the school;
  (v) Playground;
  vi) arrangements for securing the school building by boundary wall or fencing.
RTE infrastructure compliant schools

Percentage of schools with facilities

- 2009-10
- 2010-11
## School Infrastructure

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Primary schools with Student Classroom Ratio &gt; 30</td>
<td>56</td>
</tr>
<tr>
<td>% U. Primary schools with Student Classroom Ratio &gt; 35</td>
<td>35</td>
</tr>
<tr>
<td>% Schools with drinking water facility</td>
<td>100</td>
</tr>
<tr>
<td>% Schools with separate girls’ toilet</td>
<td>80</td>
</tr>
<tr>
<td>% schools with boys’ toilet</td>
<td>79</td>
</tr>
<tr>
<td>% Schools with boundary wall/fencing</td>
<td>98</td>
</tr>
<tr>
<td>% Schools with ramp</td>
<td>63</td>
</tr>
<tr>
<td>% Primary schools with Pupil Teacher Ratio (PTR) &gt; 30</td>
<td>68</td>
</tr>
<tr>
<td>% U. Primary schools with PTR &gt; 35</td>
<td>39</td>
</tr>
</tbody>
</table>
Educational Indicators for AWP&B

- Provide a progress overview of the status of elementary education based on DISE data during the 11th Plan period, in respect of:
  - Total schools disaggregated by management (Government, Local Body, Government aided and private unaided)
  - Enrolment by gender, social category and regions at primary, upper primary level
  - GER and NER at primary and upper primary level by gender, social category and region
  - Under-age and over-age enrolments
Educational Indicators for AWP&B

- Dropout by gender, social category and region
- Retention by gender, social category and region
- Transition from primary to upper primary
- Out of School Children
- Teachers – schools which meet the RTE norms for PTR
- School Infrastructure
- Percentage of Schools with infrastructure as per RTE norms
Thanks