विद्यया ऽ मृतमश्नुते
एन सी ई आर टी
NCERT

सत्यमेव जयते

सर्व शिक्षा अभियान
सब पढ़ें सब बढ़ें

NAS 2017

NATIONAL ACHIEVEMENT SURVEY

Class : 3, 5 and 8

District Report
MEDAK, TELANGANA

The National Achievement Survey (NAS) conducted throughout the country on November 13, 2017 for Classes 3, 5 and 8 in government and government aided schools. The survey tools used multiple test booklets with 45 questions in Classes III and V and 60 questions in Class VIII in Mathematics, Language, Sciences and Social Sciences. The competency based test questions developed reflected the Learning Outcomes developed by the NCERT which were recently incorporated in the RTE Act by the Government of India. Along with the test items, questionnaires pertaining to students, teachers and schools were also used.

The learning levels of 2.2 million students from 1,10,000 schools across 701 districts in all 36 States/UTs were assessed of which 3088 students and 173 schools are from Medak district. The findings of the survey, will help to guide education policy, planning and implementation at national, state, district and classroom levels for improving learning levels of children and bringing about qualitative improvements.

विद्यया ऽ मृतमश्नुते
एन सी ई आर टी
NCERT

EDUCATIONAL SURVEY DIVISION
राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद्
National Council of Educational Research and Training
Sri Aurobindo Marg, New Delhi - 110016

unicef
for every child

District Report Card of Adilabad district is developed by SCERT, Telangana from the data of NAS, 2017 conducted by NCERT.

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

NATIONAL ACHIEVEMENT SURVEY - NAS

(Survey of Learning Outcomes)

District Report Card: 2017	
State: Telangana	**District:** Medak
Class: 3	**Subject:** EVS
Schools: 61	**Students:** 819

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	393	47.99	426	52.01

AREA	Rural		Urban	
	Number	%	Number	%
	762	93.04	57	6.96

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	205	25.03	68	8.30	529	64.59	17	2.08

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	0	5	3	3

Management	Government		Government-aided	
	Number	%	Number	%
	819	100.00	0	0.00

Average Performance of Students in EVS (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
62.01	60.17	63.71	62.61	54.04	62.01	0.00	63.45	55.69	62.34	59.61

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
E302	Identifies simple features (e.g. movement, at places found/ kept, eating habits, sounds) of animals and birds in the immediate surroundings.	45.54
E303	Identifies relationships with and among family members	55.47
E304	Identifies objects, signs (vessels, stoves, transport, means of communication, transport, signboards etc.), places (types of houses/shelters, bus stand, petrol pump etc.) activities (works people do, cooking processes, etc.) at home/school/neighborhoods	65.83
E305	Describes need of food for people of different age groups, animals/birds, availability of food and water and use of water at home and surroundings	68.07
E307	Groups objects, birds, animals, features, activities according to differences/similarities using different senses. (e.g. appearance/place of living/ food/ movement/ likes-dislikes/ any other features)	63.08
E309	Identifies directions, location of objects/places in simple maps using signs/symbols/verbally	54.66
E310	Guesses properties, estimates quantities of materials/activities in daily life and verifies using symbols/non-standard units	62.52
E311	Records observations, experiences, information on objects/activities/places visited in different ways and predicts patterns etc.	59.83
E313	Observes rules in games (local, indoor, outdoor)	34.31
E314	Voices opinion on good/bad touch , stereotypes for tasks/play/food in family w.r.t gender, misuse/wastage of food and water in family and school.	68.50

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
93	11.36	170	20.76	291	35.53	265	32.36

Lowest Performing Learning Outcomes (LOs)

1 - Observes rules in games (local, indoor, outdoor) (34.31)

2 - Identifies simple features (e.g. movement, at places found/ kept, eating habits, sounds) of animals and birds in the immediate surroundings. (45.54)

3 - Identifies directions, location of objects/places in simple maps using signs/symbols/verbally (54.66)

4 - Identifies relationships with and among family members (55.47)

5 - Records observations, experiences, information on objects/activities/places visited in different ways and predicts patterns etc. (59.83)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment; **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

NATIONAL ACHIEVEMENT SURVEY - NAS

(Survey of Learning Outcomes)

District Report Card: 2017	
State: Telangana	**District:** Medak
Class: 3	**Subject:** Language
Schools: 61	**Students:** 819

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	393	47.99	426	52.01

AREA	Rural		Urban	
	Number	%	Number	%
	762	93.04	57	6.96

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	205	25.03	68	8.30	529	64.59	17	2.08

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	0	5	3	3

Management	Government		Government-aided	
	Number	%	Number	%
	819	100.00	0	0.00

Average Performance of Students in Language (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
63.44	62.82	64.01	63.60	61.17	63.44	0.00	64.07	56.76	64.15	60.39

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
L304	Reads small texts with comprehension i.e., identifies main ideas, details, sequence and draws conclusions	63.64
L312	Reads printed scripts on the classroom walls: poems, posters, charts etc.	63.03

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
84	10.26	171	20.88	279	34.07	285	34.80

Lowest Performing Learning Outcomes (LOs)

1 - Reads printed scripts on the classroom walls: poems, posters, charts etc. (63.03)

2 - Reads small texts with comprehension i.e., identifies main ideas, details, sequence and draws conclusions (63.64)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment;
S&LD- Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

NATIONAL ACHIEVEMENT SURVEY - NAS

(Survey of Learning Outcomes)

District Report Card: 2017	
State: Telangana	**District:** Medak
Class: 3	**Subject:** Mathematics
Schools: 61	**Students:** 819

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	393	47.99	426	52.01

AREA	Rural		Urban	
	Number	%	Number	%
	762	93.04	57	6.96

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	205	25.03	68	8.30	529	64.59	17	2.08

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	0	5	3	3

Management	Government		Government-aided	
	Number	%	Number	%
	819	100.00	0	0.00

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
63.68	63.39	63.94	63.96	59.88	63.68	0.00	66.57	56.27	63.76	56.08

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M301	Reads and writes numbers up to 999 using place value	67.89
M302	Compares numbers up to 999 based on their place values	76.19
M303	Solves simple daily life problems using addition and subtraction of three digit numbers with and without regrouping	59.68
M304	Constructs and uses the multiplication facts (up till 10) in daily life situations	61.17
M305	Analyses and applies an appropriate number operation in the situation/ context	55.80
M306	Explains the meaning of division facts by equal grouping/sharing and finds it by repeated subtraction	65.93
M309	Identifies and makes 2D-shapes by paper folding, paper cutting on the dot grid, using straight lines etc.	76.34
M311	Fills a given region leaving no gaps using a tile of a given shape	38.24
M312	Estimates and measures length and distance using standard units like centimeters or meters & identifies relationships	39.90
M317	Reads the time correctly to the hour using a clock/watch	65.81
M318	Extends patterns in simple shapes and numbers	59.11
M319	Records data using tally marks, represents pictorially and draws conclusions	80.22

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
70	8.55	177	21.61	290	35.41	282	34.43

Lowest Performing Learning Outcomes (LOs)

1 - Fills a given region leaving no gaps using a tile of a given shape (38.24)

2 - Estimates and measures length and distance using standard units like centimeters or meters & identifies relationships (39.90)

3 - Analyses and applies an appropriate number operation in the situation/ context (55.80)

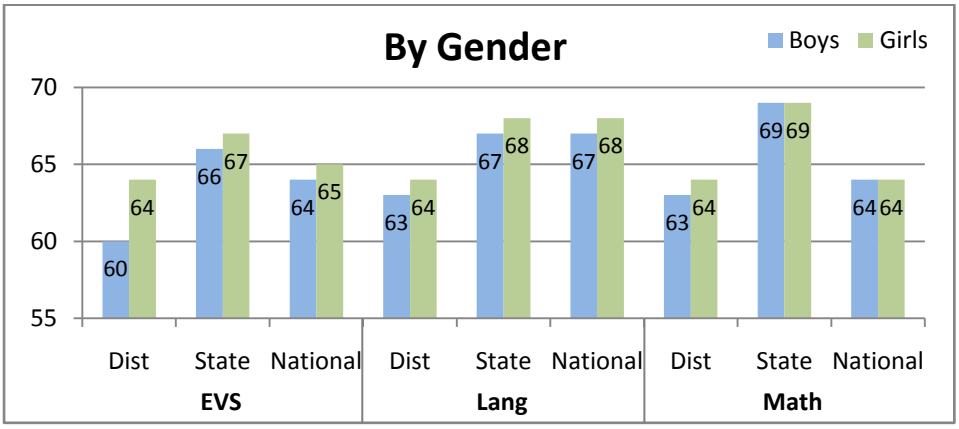
4 - Extends patterns in simple shapes and numbers (59.11)

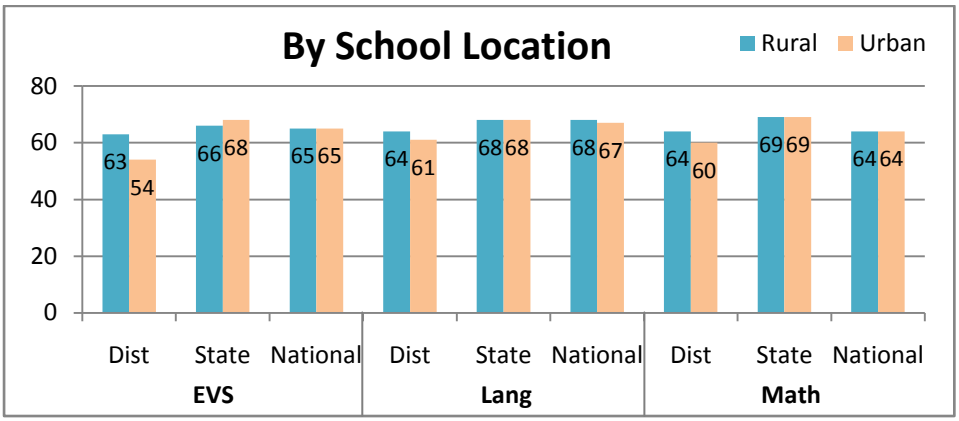
5 - Solves simple daily life problems using addition and subtraction of three digit numbers with and without regrouping (59.68)

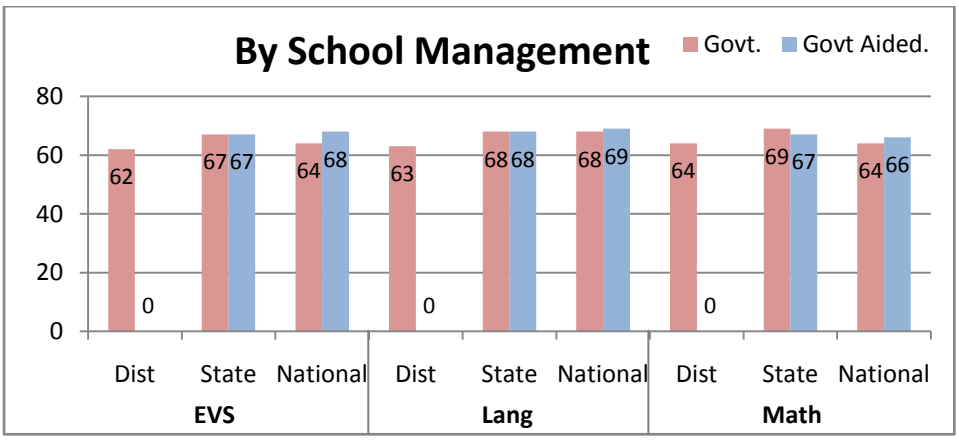
CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment; **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

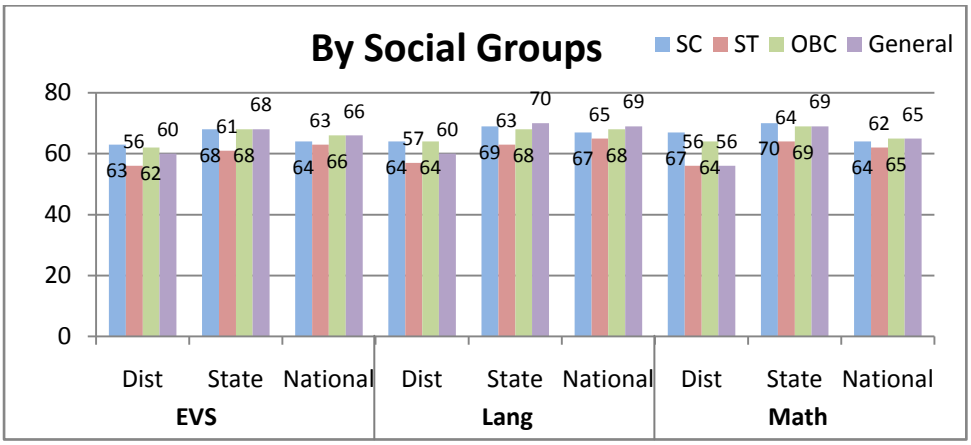
Class 3 District Results by Student Groups

Performance

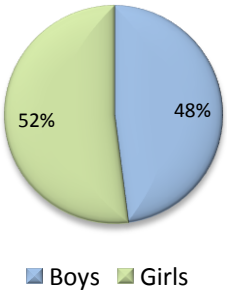


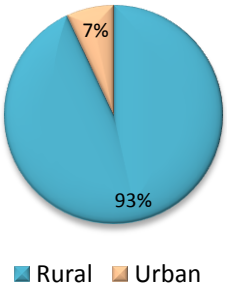


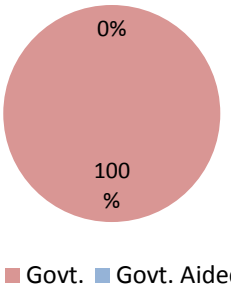


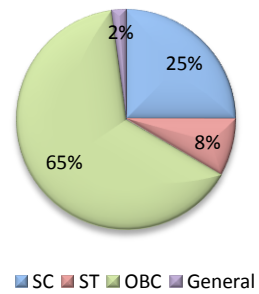


Participation









NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

NATIONAL ACHIEVEMENT SURVEY - NAS

(Survey of Learning Outcomes)

District Report Card: 2017	
State: Telangana	**District:** Medak
Class: 5	**Subject:** EVS
Schools: 61	**Students:** 975

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	446	45.74	529	54.26

AREA	Rural		Urban	
	Number	%	Number	%
	907	93.03	68	6.97

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	200	20.51	148	15.18	563	57.74	64	6.56

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	0	1	1	3

Management	Government		Government-aided	
	Number	%	Number	%
	969	99.38	6	0.62

Average Performance of Students in EVS (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
47.93	48.43	47.51	48.06	46.27	47.88	55.56	47.83	40.09	51.08	38.65

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
E403	Identifies relationship with and among family members in extended family	55.69
E410	Records observations/experiences/information for objects, activities, phenomena, places visited in different ways and predicts patterns and activities/ phenomena	58.54
E501	Explains the super senses and unusual features (sight, smell, hear, sleep, sound, etc.) of animals and their responses to light, sound, food etc.	29.95
E503	Describes the interdependence among animals, plants and humans	40.62
E504	Explains the role and functions of different institutions in daily life (Bank, Panchayat, cooperatives, police station, etc.)	55.59
E505	Establishes linkages among terrain, climate, resources (food, water, shelter, livelihood) and cultural life. (e.g. life in distant/difficult areas like hot/cold deserts)	29.27
E506	Groups objects, materials, activities for features/properties such as shape, taste, color , texture, sound, traits etc.	32.93
E507	Traces the changes in practices, customs, techniques of past and present through coins, paintings, monuments, museum etc. and interacting with elders	56.52
E508	Guesses (properties, conditions of phenomena), estimates spatial quantities (distance, area, volume, weight etc.) and time in simple standard units and verifies using simple tools/set ups	45.86
E509	Records observations/experiences/information in an organized manner (e.g. in tables/ sketches/ bar graphs/ pie charts) and predicts patterns in activities/phenomena (e.g. floating, sinking, mixing, evaporation , germination , spoilage) to establish relation between cause and effect.	50.62
E510	Identifies signs, directions, location of different objects/landmarks of a locality /place visited in maps and predicts directions w.r.t. positions at different places for a location	55.28
E512	Voices opinions on issues observed/experienced and relates practices /happenings to larger issues of society	43.09
E513	Suggests ways for hygiene, health, managing waste, disaster/emergency situations and protecting/saving resources	53.36

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
234	24.00	310	31.79	331	33.95	100	10.26

Lowest Performing Learning Outcomes (LOs)

1 - Establishes linkages among terrain, climate, resources (food, water, shelter, livelihood) and cultural life. (e.g. life in distant/difficult areas like hot/cold deserts) (29.27)

2 - Explains the super senses and unusual features (sight, smell, hear, sleep, sound, etc.) of animals and their responses to light, sound, food etc. (29.95)

3 - Groups objects, materials, activities for features/properties such as shape, taste, color , texture, sound, traits etc. (32.93)

4 - Describes the interdependence among animals, plants and humans (40.62)

5 - Voices opinions on issues observed/experienced and relates practices /happenings to larger issues of society (43.09)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment; **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

NATIONAL ACHIEVEMENT SURVEY - NAS

(Survey of Learning Outcomes)

District Report Card: 2017	
State: Telangana	**District:** Medak
Class: 5	**Subject:** Language
Schools: 61	**Students:** 975

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	446	45.74	529	54.26

AREA	Rural		Urban	
	Number	%	Number	%
	907	93.03	68	6.97

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	200	20.51	148	15.18	563	57.74	64	6.56

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	0	1	1	3

Management	Government		Government-aided	
	Number	%	Number	%
	969	99.38	6	0.62

Average Performance of Students in Language (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
50.75	50.52	50.94	50.94	48.24	50.70	58.89	46.87	44.64	54.62	42.92

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
L504	Reads and comprehends independently storybooks, news items/ headlines, advertisements etc.	50.81
L508	Reads text with comprehension, locates details and sequence of events	50.72

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
180	18.46	319	32.72	334	34.26	142	14.56

Lowest Performing Learning Outcomes (LOs)

1 - Reads text with comprehension, locates details and sequence of events (50.72)

2 - Reads and comprehends independently storybooks, news items/ headlines, advertisements etc. (50.81)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment;
S&LD- Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING

NATIONAL ACHIEVEMENT SURVEY - NAS

(Survey of Learning Outcomes)

District Report Card: 2017	
State: Telangana	**District:** Medak
Class: 5	**Subject:** Mathematics
Schools: 61	**Students:** 975

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	446	45.74	529	54.26

AREA	Rural		Urban	
	Number	%	Number	%
	907	93.03	68	6.97

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	200	20.51	148	15.18	563	57.74	64	6.56

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	0	1	1	3

Management	Government		Government-aided	
	Number	%	Number	%
	969	99.38	6	0.62

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
50.97	**51.82**	**50.26**	**51.50**	**43.92**	**50.98**	**50.00**	**49.40**	**42.48**	**54.84**	**41.56**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M401	Applies operations of numbers in daily life situations	47.49
M412	Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of given shape as a unit	41.26
M418	Calculates time intervals/duration of familiar daily life events by using forward or backward counting/addition and subtraction	61.01
M421	Represent the collected information in tables and bar graphs and draws inferences from these	66.15
M501	Reads and writes numbers bigger than 1000 being used in her/his surroundings	57.33
M504	Estimates sum, difference, product and quotient of numbers and verifies the same using different strategies like using standard algorithms or breaking a number and then using operation	50.10
M505	Finds the number corresponding to part of a collection	50.89
M506	Identifies and forms equivalent fractions of a given fraction	48.41
M508	Converts fractions into decimals and vice versa	46.95
M509	Classifies angles into right angle, acute angle, obtuse angle and represents the same by drawing and tracing	49.86
M512	Relates different commonly used larger and smaller units of length, weight and volume and converts larger units to smaller units and vice versa	50.31
M513	Estimates the volume of a solid body in known units.	36.18
M514	Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals	44.59
M515	Identifies the pattern in triangular numbers and square number	48.21
M516	Collects data related to various daily life situations, represents it in tabular form and as bar graphs and interprets it	61.28

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
200	20.51	306	31.38	312	32.00	157	16.10

Lowest Performing Learning Outcomes (LOs)

1 - Estimates the volume of a solid body in known units. (36.18)

2 - Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of given shape as a unit (41.26)

3 - Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals (44.59)

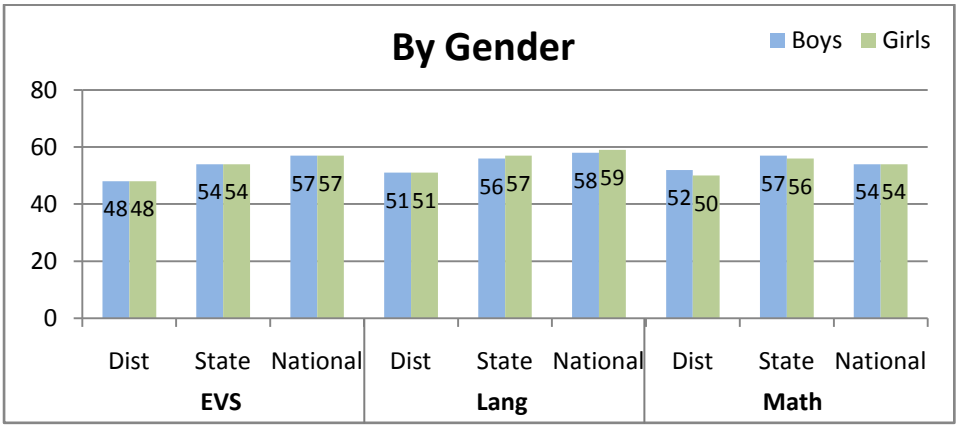
4 - Converts fractions into decimals and vice versa (46.95)

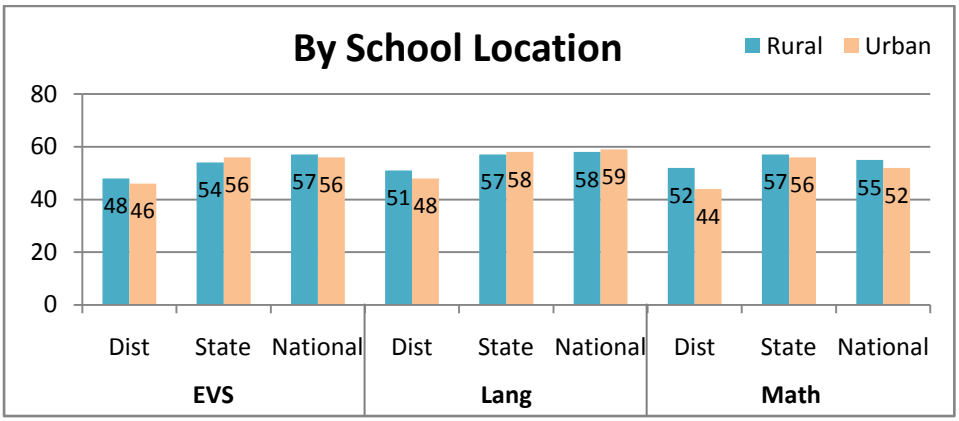
5 - Applies operations of numbers in daily life situations (47.49)

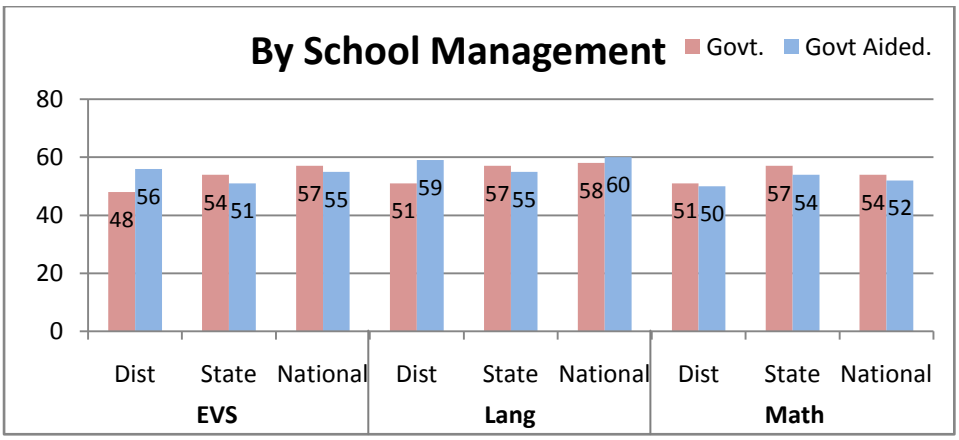
CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment; **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

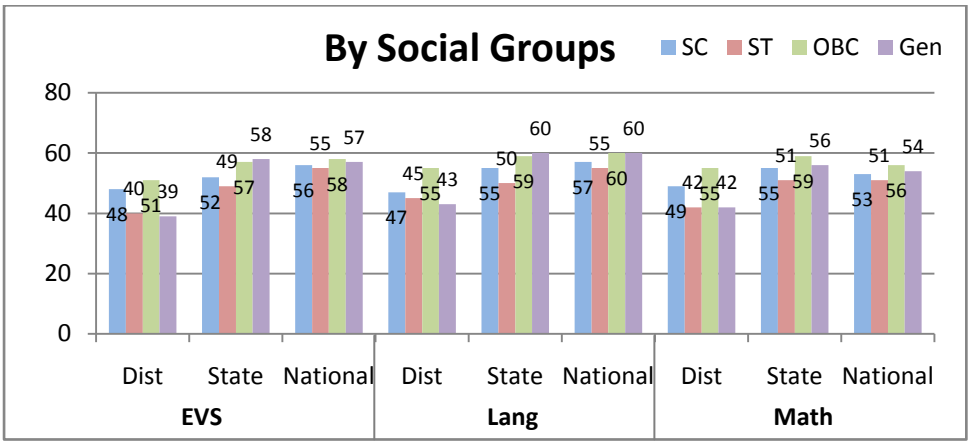
Class 5 District Results by Student Groups

Performance

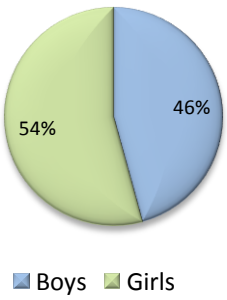


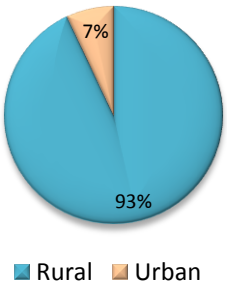


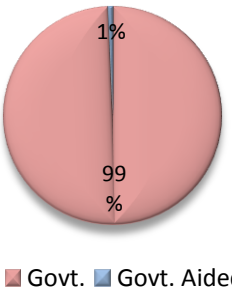


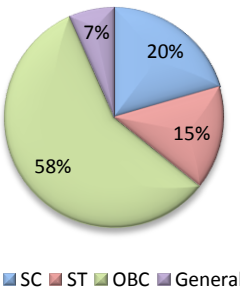


Participation









Government of India
MHRD

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY -NAS
(Survey of Learning Outcomes)

विद्यया ऽमृतमश्नुते
एन सी ई आर टी
NCERT

District Report Card: 2017	
State: Telangana	**District:** MEDAK
Class: 8	**Subject:** Language
Schools: 51	**Students:** 1294

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	620	47.91	674	52.09

AREA	Rural		Urban	
	Number	%	Number	%
	1180	91.19	114	8.81

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	248	19.17	201	15.53	796	61.51	49	3.79

CWSN	LD	VI	HI	S&LD	ID	Oth
	3	1	0	4	1	1

MANAGEMENT	Government		Government-aided	
	Number	%	Number	%
	1294	100.00	0	0.00

Average Performance of Students in Language (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
47.30	43.61	50.68	47.67	43.45	47.30	0.00	44.62	37.94	50.13	53.06

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
L813	Read textual/non-textual materials with comprehension and identifies the details, characters, main idea and sequence of ideas and events while reading	47.30

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
307	23.72	414	31.99	431	33.31	142	10.97

Lowest Performing Learning Outcomes (LOs)

1 - Read textual/non-textual materials with comprehension and identifies the details, characters, main idea and sequence of ideas and events while reading (47.30)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment; **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY -NAS
(Survey of Learning Outcomes)

District Report Card: 2017	
State: Telangana	**District:** MEDAK
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1294

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	620	47.91	674	52.09

AREA	Rural		Urban	
	Number	%	Number	%
	1180	91.19	114	8.81

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	248	19.17	201	15.53	796	61.51	49	3.79

CWSN	LD	VI	HI	S&LD	ID	Oth
	3	1	0	4	1	1

MANAGEMENT	Government		Government-aided	
	Number	%	Number	%
	1294	100.00	0	0.00

Average Performance of Students in EVS (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
36.05	34.35	37.61	36.65	29.82	36.05	0.00	34.52	30.12	38.46	28.98

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	34.86
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	37.92
M620	Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc.	35.59
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	37.31
M702	Interprets the division and multiplication of fractions	33.23
M705	Solves problems related to daily life situations involving rational numbers	39.95
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers.	32.81
M707	Adds/subracts algebraic expressions	34.23
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	23.59
M717	Finds out approximate area of closed shapes by using unit square grid/ graph sheet	36.70
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	46.21
M721	Interprets data using bar graph such as consumption of electricity is more in winters than summer	44.53
M801	Generalises properties of addition, subtraction, multiplication and division of rational numbers through patterns	30.16
M802	Finds rational numbers between two given rational numbers	37.19
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	45.57
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods.	34.06
M808	Use various algebric identities in solving problems of daily life.	44.38
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	27.55
M818	Finds surface area and volume of cuboidal and cylindrical object	27.81
M819	Draws and interprets bar charts and pie charts	36.17

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
632	48.84	397	30.68	164	12.67	101	7.81

Lowest Performing Learning Outcomes (LOs)

1. Solves problems related to conversion of percentage to fraction and decimal and vice versa (23.59)
2. Verifies properties of parallelogram and establishes the relationship between them through reasoning (27.55)
3. Finds surface area and volume of cuboidal and cylindrical object (27.81)
4. Generalises properties of addition, subtraction, multiplication and division of rational numbers through patterns (30.16)
5. Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers. (32.81)

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NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY -NAS
(Survey of Learning Outcomes)

Government of India
MHRD

District Report Card: 2017	
State: Telangana	**District:** MEDAK
Class: 8	**Subject:** Science
Schools: 51	**Students:** 1294

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	620	47.91	674	52.09

AREA	Rural		Urban	
	Number	%	Number	%
	1180	91.19	114	8.81

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	248	19.17	201	15.53	796	61.51	49	3.79

CWSN	LD	VI	HI	S&LD	ID	Oth
	3	1	0	4	1	1

MANAGEMENT	Government		Government-aided	
	Number	%	Number	%
	1294	100.00	0	0.00

Average Performance of Students in Science (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
36.03	34.22	37.71	36.64	29.71	36.03	0.00	34.81	29.65	38.17	33.61

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SCI703	Classifies materials and organisms based on properties/characteristics	36.21
SCI704	Conducts simple investigation to seek answers to queries	22.53
SCI705	Relates processes and phenomenon with causes	45.41
SCI708	Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc	31.22
SCI710	Plots and interprets graphs	30.28
SCI711	Constructs models using materials from surroundings and explains their working	28.59
SCI801	Differentiates materials, organism and processes	29.13
SCI804	Relates processes and phenomenon with causes	46.94
SCI805	Explains processes and phenomenon	37.33
SCI807	Measures angles of incidence and reflection, etc.	32.07
SCI811	Applies learning of scientific concepts in day-to-day life	38.02
SCI813	Makes efforts to protect environment	57.96

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
533	41.19	485	37.48	239	18.47	37	2.86

Lowest Performing Learning Outcomes (LOs)

1. Conducts simple investigation to seek answers to queries (22.53)
2. Constructs models using materials from surroundings and explains their working (28.59)
3. Differentiates materials, organism and processes (29.13)
4. Plots and interprets graphs (30.28)
5. Measures and calculates e.g., temperature; pulse rate; speed of moving objects; time period of a simple pendulum, etc (31.22)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment; **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.

NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY -NAS
(Survey of Learning Outcomes)

District Report Card: 2017	
State: Telangana	**District:** MEDAK
Class: 8	**Subject:** Social Science
Schools: 51	**Students:** 1294

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	620	47.91	674	52.09

AREA	Rural		Urban	
	Number	%	Number	%
	1180	91.19	114	8.81

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	248	19.17	201	15.53	796	61.51	49	3.79

CWSN	LD	VI	HI	S&LD	ID	Oth
	3	1	0	4	1	1

MANAGEMENT	Government		Government-aided	
	Number	%	Number	%
	1294	100.00	0	0.00

Average Performance of Students in SST (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
36.68	34.27	38.89	37.29	30.29	36.68	0.00	35.11	29.92	39.02	34.29

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
SST605	Identifies latitudes and longitudes, e.g., poles, equator, tropics, States/UTs of India and other neighbouring countries on globe and the world map	55.02
SST610	Locates important historical sites, places on an outline map of India	20.47
SST625	Describes the functioning of rural and urban local government bodies in sectors like health and education	32.03
SST703	Explains preventive actions to be undertaken in the event of disasters	31.92
SST704	Describes formation of landforms due to various factors	48.13
SST722	Explains the significance of equality in democracy	33.79
SST726	Describes the process of election to the legislative assembly	49.24
SST731	Explains the functioning of media with appropriate examples from newspapers.	39.60
SST733	Differentiates between different kinds of markets	41.87
SST734	Traces how goods travel through various market places.	37.31
SST802	Describes major crops, types of farming and agricultural practices in her/his own area/state	54.56
SST805	Locates distribution of important minerals e.g. coal and mineral oil on the world map	37.92
SST807	Justifies judicious use of natural resources	41.25
SST809	Draws interrelationship between types of farming and development in different regions of the world	31.35
SST810	Distinguishes the modern period from the medieval and the ancient periods through the use of sources	36.70
SST815	Explains the origin, nature and spread of the revolt of 1857 and the lessons learned from it	31.56
SST816	Analyses the decline of pre-existing urban centers and handicraft industries and the development of new urban centers and industries in India during the colonial period	27.20
SST818	Analyses the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues	26.35
SST823	Applies the knowledge of the Fundamental Rights to find out about their violation, protection and promotion in a given situation	24.03
SST827	Describes the process of making a law. (e.g. Domestic Violence Act, RTI Act, RTE Act)	32.97
SST831	Identifies the role of Government in providing public facilities such as water, sanitation, road, electricity etc., and recognizes their availability	29.87
SST833	Draws bar diagram to show population of different countries/India/states	52.60

Range of Performance of Students who Answered Correctly							
Below 30%		**30% - 50%**		**50% - 75%**		**Above 75%**	
Number	%	Number	%	Number	%	Number	%
512	39.57	502	38.79	214	16.54	66	5.10

Lowest Performing Learning Outcomes (LOs)

1. Locates important historical sites, places on an outline map of India (20.47)
2. Applies the knowledge of the Fundamental Rights to find out about their violation, protection and promotion in a given situation (24.03)
3. Analyses the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues (26.35)
4. Analyses the decline of pre-existing urban centers and handicraft industries and the development of new urban centers and industries in India during the colonial period (27.2)
5. Identifies the role of Government in providing public facilities such as water, sanitation, road, electricity etc., and recognizes their availability (29.87)

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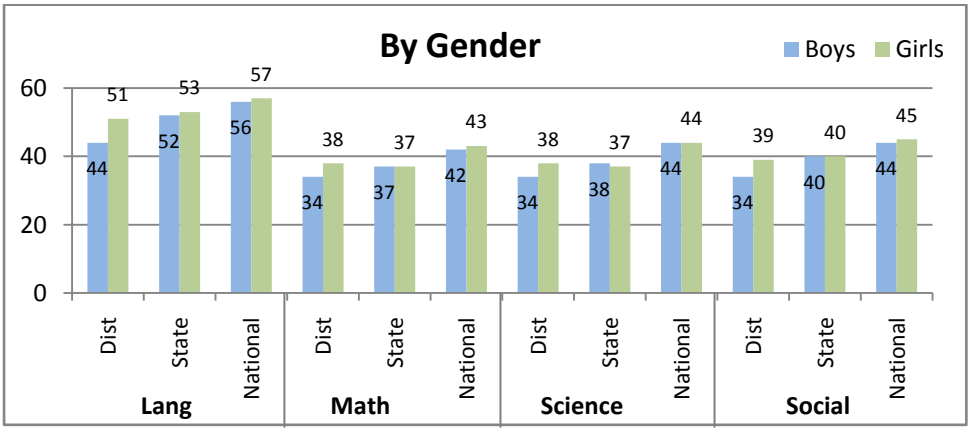
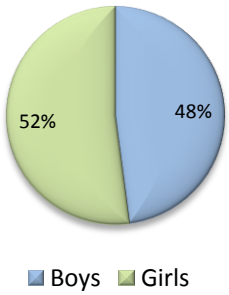
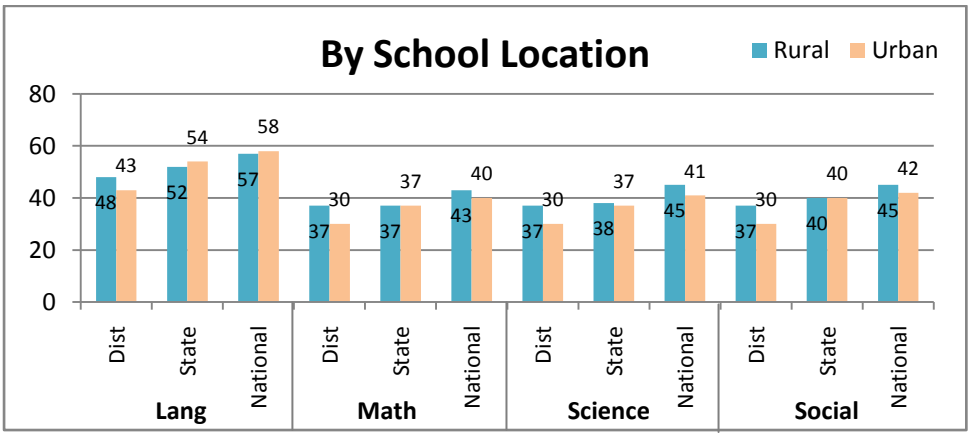
Class 8 District Results by Student Groups

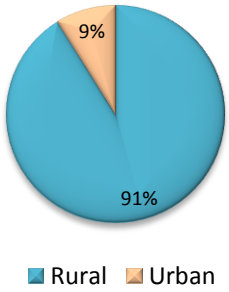
Performance

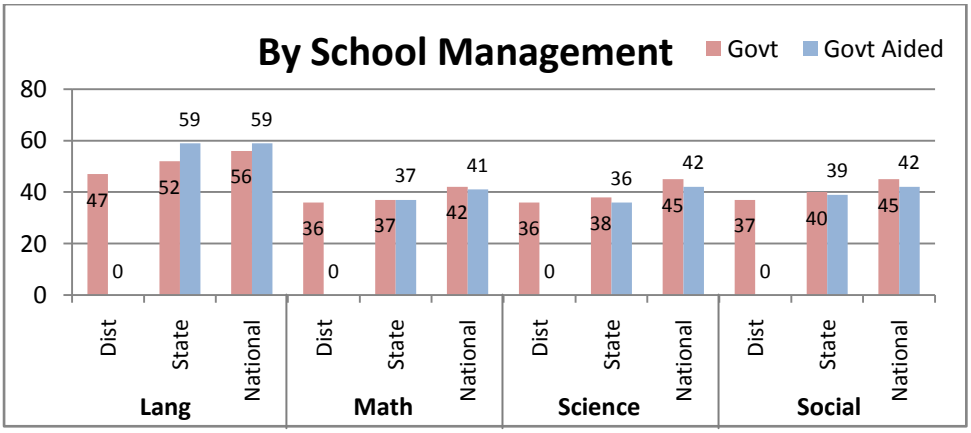


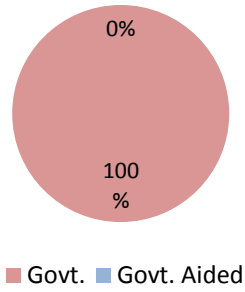
Participation

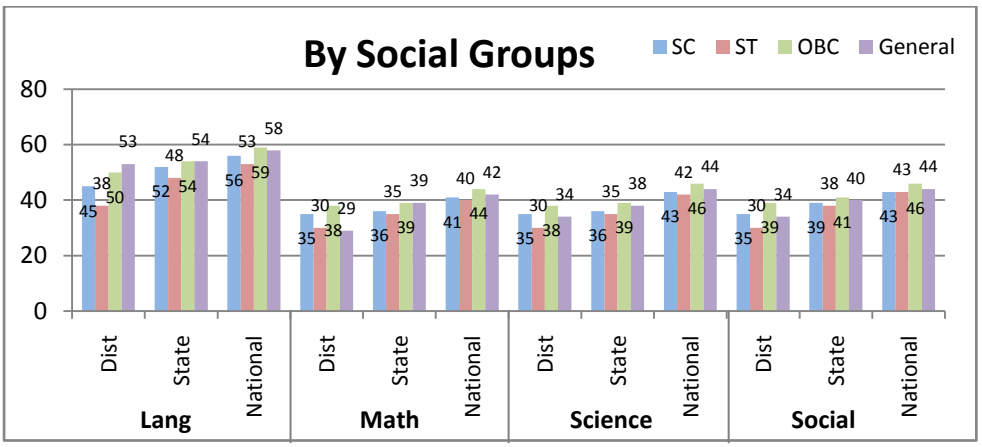


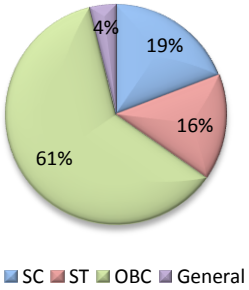




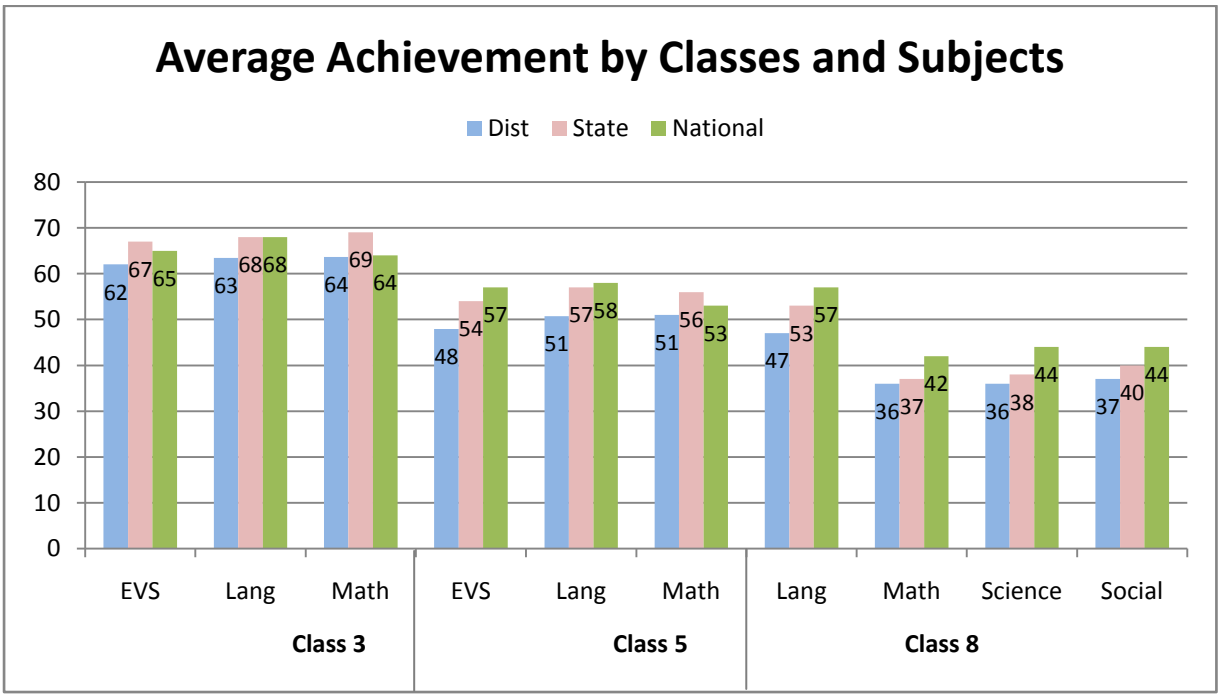


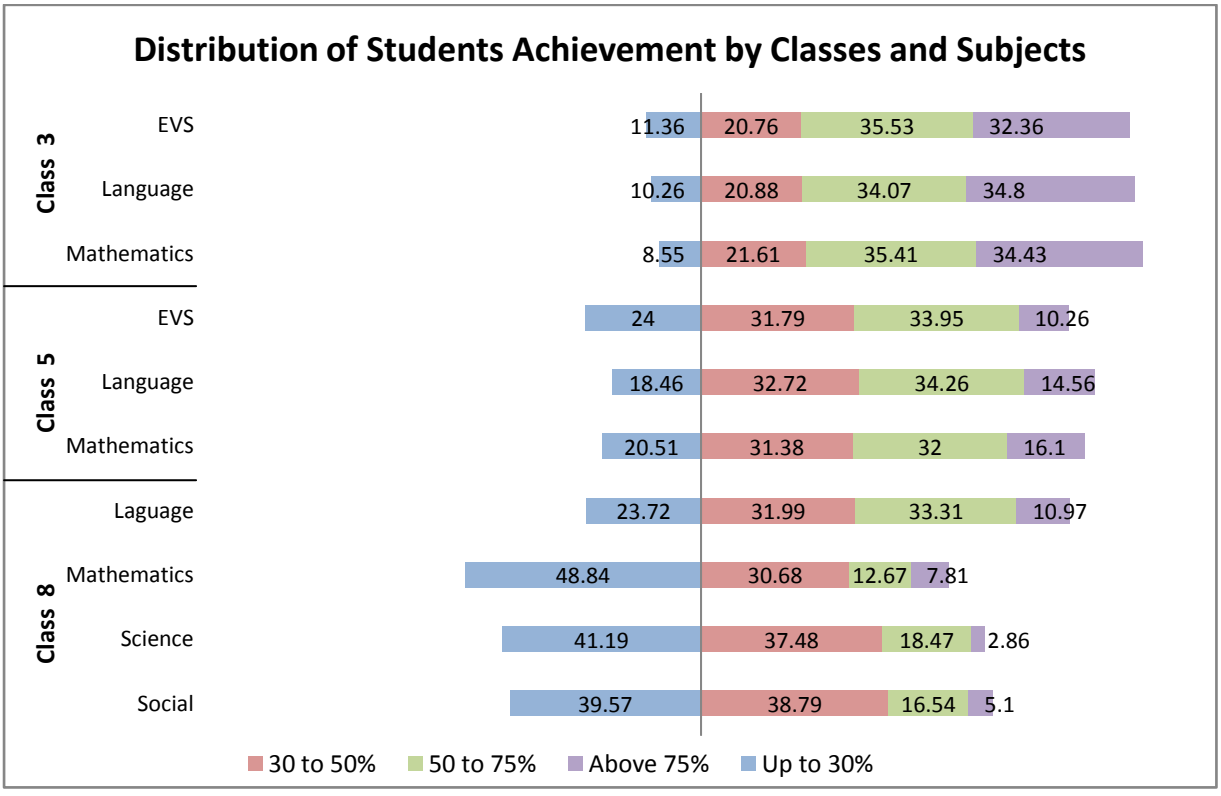






MEDAK


Average Achievement by Classes and Subjects
Dist
State
National
80
70
60
50
40
30
20
10
0
62
67
65
63
68
68
64
69
64
48
54
57
51
57
58
51
56
53
47
53
57
36
37
42
36
38
44
37
40
44
EVS
Lang
Math
EVS
Lang
Math
Lang
Math
Science
Social
Class 3
Class 5
Class 8


Distribution of Students Achievement by Classes and Subjects
Class 3
EVS
Language
Mathematics
Class 5
EVS
Language
Mathematics
Class 8
Laguage
Mathematics
Science
Social
11.36
20.76
35.53
32.36
10.26
20.88
34.07
34.8
8.55
21.61
35.41
34.43
24
31.79
33.95
10.26
18.46
32.72
34.26
14.56
20.51
31.38
32
16.1
23.72
31.99
33.31
10.97
48.84
30.68
12.67
7.81
41.19
37.48
18.47
2.86
39.57
38.79
16.54
5.1
30 to 50%
50 to 75%
Above 75%
Up to 30%

By Gender

In our district, we stood first in
Class 3:
Class 5: EVS, Language & Math
Class 8:

In our district, we stood first in
Class 3: EVS, Language & Math
Class 5: EVS & Language
Class 8: Language, Math, Science & Social

By School Location

Rural Area

Performed better in

Class 3: EVS, Language & Math
Class 5: EVS, Language & Math
Class 8: Language, Math, Science & Social

Urban Area

Performed better in

Class 3:
Class 5:
Class 8:

By School Management

Government

Performed better in

Class 3: EVS, Language & Math
Class 5: Math
Class 8: Language , Math, Science & Social

Government Aided

Performed better in

Class 3:
Class 5: EVS, Language
Class 8:

By Social Groups

SC

First in

Class 3: EVS, Language & Math
Class 5:
Class 8:

ST

First in

Class 3:
Class 5:
Class 8: Social

OBC

First in

Class 3: Language
Class 5: EVS, Language & Math
Class 8: : Math, Science & Social

General

First in

Class 3:
Class 5:
Class 8: Language

Learning Outcomes on Which Performance was Below 50% Indicating Need to Strengthen Teachers

MEDAK

Class	Subject	Learning Outcome
Class 3	Language	Nil
	EVS	E302, E313
	Mathematics	M311, M312
Class 5	Language	Nil
	EVS	E501, E503, E505, E506, E508, E512
	Mathematics	M401, M412, M506, M508, M509, M513, M514, M515
Class 8	Language	L813
	Mathematics	M601, M606, M620, M621, M705, M706, M707, M710, M717, M719, M721, M801, M802, M803, M804, M808, M812, M818, M819
	Science	SCI703, SCI704, SCI705, SCI708, SCI710, SCI711, SCI801, SCI804, SCI805, SCI807, SCI811
	Social Studies	SST610, SST625, SST703, SST704, SST722, SST726, SST731, SST733, SST734, SST805, SST807, SST809, SST810, SST815, SST816, SST818, SST823, SST827, SST831