

**RASHTRIYA MADHYAMIK SHIKSHA ABHIYAN  
UTTARAKHAND**

**Annual Work Plan & Budget  
(AWP&B)**

**2012-2013**



**Uttarakhand Sabhi Ke Liye Madhyamik  
Shiksha Parishad**

**Nanoorkhera, Tapovan, Dehradun.**

**RMSA Annual Work Plan & Budget Team  
Uttarakhand**

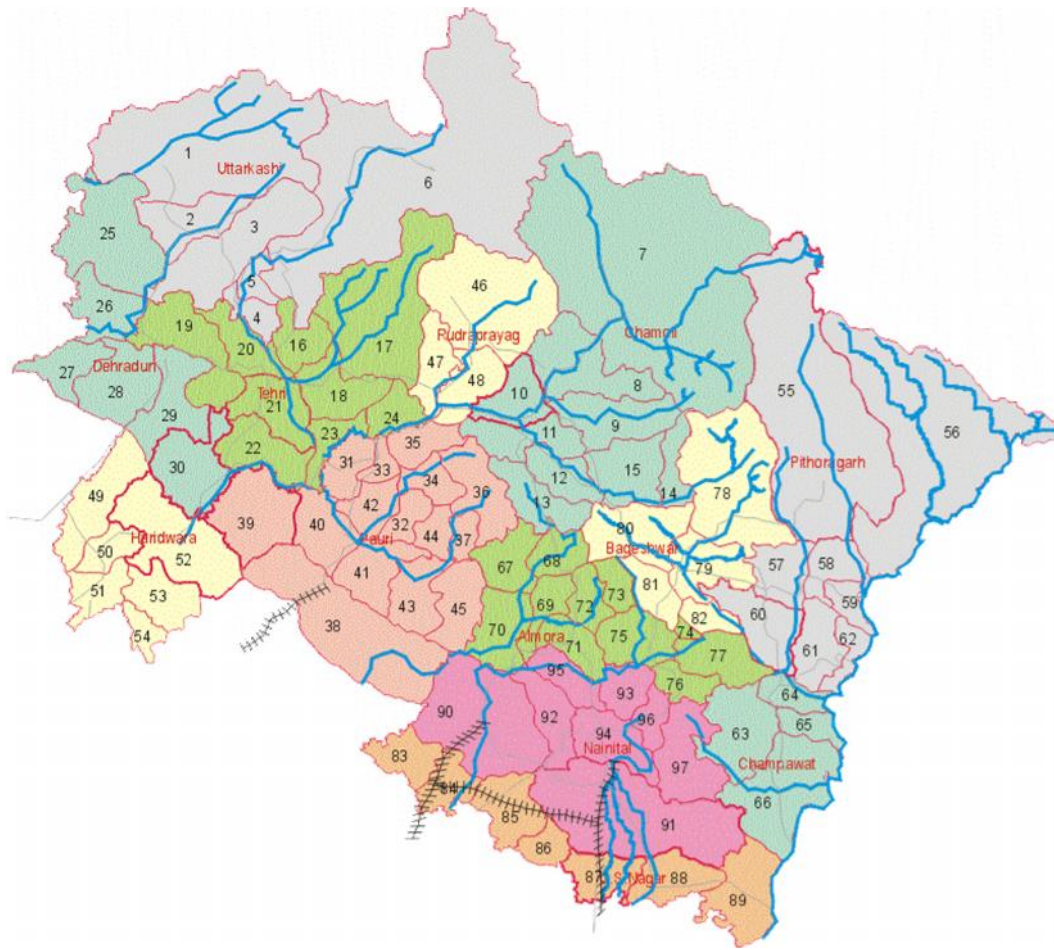
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**Uttarakhand Sabhi Ke Liye Madhyamik  
Shiksha Parishad**

**Nanoorkhera, Tapovan, Dehradun**

# UTTRAKHAND – MAP



## Districts of Uttarakhand

### **GARHWAL MANDAL**

1. Chamoli
2. Dehradun
3. Haridwar
4. Pauri Garhwal
5. Rudrapur
6. Tehri Garhwal
7. Uttarkashi

### **KUMAON MANDAL**

1. Almora
2. Bageshwar
3. Champawat
4. Nainital
5. Pithoragarh
6. Udham Singh Nagar

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**RMSA Team  
Uttarakhand**

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## **LIST OF ABBREVEATIONS**

AAGR	Annual Average Growth Rate
ACR	Additional Class Rooms
ADEO	Additional District Education Officer
AEP	Adolescent Education Programme
AIE	Alternative schooling
AGR	Annual Growth Rate
AWPB	Annual Work Plan and Budget
BPT	Block Project Team
BRC	Block Resource Centre
BEO	Block Education Officer
BSEP	Block Secondary Education Plan
CABE	Central Advisory Board of Education
CBRI	Central Building of Regional Institute
CBSE	Central Board of Secondary Education
CCE	Continuous and Comprehensive Evaluation
CRC	Cluster Resource Centre
CTE	College of Teachers Education
CWSN	Children with Special Needs
DCF	Data Capture Format
DEO	District Education Officer
DIET	District Institute of Education and Training
DISE	District Information system of Education
DPO	District Project Office/Officer
DPT	District Project Team
DRC	District Resource Centre
DRG	District Resource Group
DSEP	District Secondary Education Plan
EBB	Educationally Backward Block
EBM	Educationally Backward Minorities

EC	Executive Committee
EGS	Education Guarantee Scheme
FC	Finance Controller/Finance Committee
GAR	Gross Access Ratio
G&C	Guidance and Counselling
GER	Gross Enrolment Ratio
GIC	Government Inter College
GGIC	Government Girls Inter College
GHSS	Government High Schools
GIS	Geophysical Information System
GO	Government Organisation
GOI	Government of India
GSDP	Gross Domestic Product
IASE	Institute for Advanced Studies in Education
ICT	Information and Communication Technology
IEP	Individualized Education Plan
IEDC	Integrated Education for Disabled Children
INSET	IN-service Educational Training for Teachers
KGBV	Kasturba Gandhi Balika Vidyalaya
LB	Local Body
LRC	Learning Resource Centre
MHRD	Ministry of Human Resource Development
MTA	Mid Term Appraisal
NCERT	National Council of Educational Research and Training
NCF	National Curriculum Framework
NCTE	National Council of Teachers Education
NER	Net Enrolment Ratio
NGO	Non Government Organization
NIOS	National Institute of Open School
NIVH	National Institute for Visually Handicapped
NIOH	National Institute for Orthopedically Handicapped

NIMH	National Institute for Mentally Handicapped
NIHH	National Institute for Hearing Handicapped
NMMSE	National Means cum Merit Scholarship Examination
NPE	National Policy on Education
NRBC	Non Residential Bridge Course
NTSE	National Talent Search Examination
NUPEA	National University of Planning and Educational Administration
MT	Master Trainers
OBC	Other Backward Classes
PCE	Per Capita Expenditure
PPP	Public private Partnership
PR	Promotion Rate
PRI	Panchayati Raj Institutions
PS	Primary School
PTA	Parent Teacher Ratio
PTR	Pupil Teacher Ratio
RIE	Regional Institute of Education
RMSA	Rashtriya Madhyamik Shiksha Abhiyan
RGI	Registrar General of India
RBC	Residential Bridge Course
RGNV	Rajeev Gandhi Navodaya Vidyalaya
SC	Schedule Caste
SE	School Education/Secondary Education
SSE	Senior Secondary Education
SES	Selected Education Statistics/Socio Economic Status
SPT	State Project Team
ST	Schedule Tribe
SCERT	State Council of Educational Research and Training
SEMIS	Secondary Education Management Information System
SIEMAT	State Institute for Management, Administration and Training
SIP	School Improvement Plan

SPD	State Project Director
SPO	State Project Office
SEITA	State Education Information and technology Academy
SMC	School Management Committee
SMDC	School Management Development Committee
SRG	State Resource Group
SSA	Sarva Shiksha Abhiyan
SSEP	State Secondary Education Plan
SUCCESS	Scheme of Universalization of Secondary and Higher Secondary Education
TE	Total Expenditure
TLM	Teaching Learning Material
TLE	Teaching Learning Equipment
TLA	Teaching Learning Aid
TR	Transition rate
UPS	Upper Primary School
USE	Universalization of Secondary Education
USKLMSP	Uttarakhand Sabhi Key Liye Madhyamik Shiksha Parishad
VEC	Village Education Committee

# Chapter I

## Introduction

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### 1.1 Introduction

Education is an indicator of sustain growth and development of a nation. It has important role to play in the full development of one's personality. According to Census 2011, the total literacy rate in India is 74.04% the female literacy rate is 65.46%. The gap between rural and urban literacy rate is also very significant in India. This is evident from the fact that only 59.18% of the rural population are literate against 75.69% urban population. The Government of India has put forward initiatives for achieving the goal of cent percent literacy by launching various schemes and by making constitutional amendments. The Government of India has also introduced Right to Education Bill 2005 for the protection of rights and better educational access to all children.

The elementary education in India is the foundation on which development of every citizen and nation as a whole hinges. The 86<sup>th</sup> constitutional amendment has made elementary education of fundamental rights to the children between the age group of 6-14. Since, universalization of elementary education has become a constitutional mandate it is absolutely essential to push this vision forward to move towards universalization of secondary education which has already being achieved in large number of develop countries and several developing countries, in India education beyond elementary level is lagging behind. Therefore, education beyond elementary is instrumental.

Secondary education is a crucial stage in the education hierarchy as its prepare the students for higher education and also for the world of work. It is absolutely essential to strengthen this stage by providing greater access and also by improving quality in a significant way.

The Government of India while taking note of the development in economy and educational scenario all over the world and in its own country has proposed for expansion and strengthening of the secondary and higher secondary education. It has launched Rashtriya Madhyamik Shiksha Abhiyan in 2007 for promoting universalization of secondary education. The normal age group of the children in secondary classes is 14-16 whereas it is 16-18 for higher secondary classes. The population of the age group 14-18 was 8.55 crore in 2001 as per census data. The estimated population of age group as on 1.3.2005 was 9.48 crore which is likely to increase 9.69 crore as on 1.3.2007 i.e. at the beginning of 11<sup>th</sup> Five Year Plan. This likely to established at around 9.70 crore for 2011. On viewing this established

population of this age group it is necessary and desirable that access to secondary education should be universalized leading to enhanced participation and quality improvement. Moreover beside the general education upto secondary level opportunity for improvement of vocational knowledge and skill should be provided at the higher secondary level to enable students to be employable.

### **Background of Uttarakhand**

The State of Uttarakhand came to existence on November 09, 2000. The state was previously known as “Uttaranchal” but was renamed “Uttarakhand” on January 01, 2007. It is bound by Uttar Pradesh on the south, Nepal on the east, Himanchal Pradesh on the west and China on north-east. Geographical area of the state is 53483sq. km. forming 1.69% of area of the country as a whole.

Geographically, Uttarakhand is situated in the central Himalayan zone. It extends between 77° 34’ to 81° 02’ E longitude and 28° 43’ to 31° 27’ N latitude. The topography of Uttarakhand is characterized by hilly terrain, rugged and rocky mountains, deep valleys, high peaks, sharp streams and rivulets, rapid soil erosion, frequent landslides and widely scattered habitations. The natural vegetation is mixed broad-leaved forest with oak and pine predominating. Climate varies from subtropical in the valleys to temperate on the higher slopes with a summer monsoon. The temperature range from 16°C to 40°C but drops below freezing point in many parts of high mountain areas of the region during winter.

Administratively, the state has following constitution:

**Table 1.1**  
**Administrative Units of the State**

<ul style="list-style-type: none"> <li>▪ 02 Administrative divisions</li> <li>▪ 13 Districts</li> <li>▪ 78 Tehsils</li> <li>▪ 95 Development Blocks</li> <li>▪ 41 Cities</li> <li>▪ 116 Towns</li> </ul>	<ul style="list-style-type: none"> <li>▪ 670 Nyaya panchayats</li> <li>▪ 7590 Gram panchayats*</li> <li>▪ 16826 revenue villages</li> <li>▪ 15761 inhabited villages and</li> <li>▪ 1065 unhabitated villages.</li> </ul>
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**Source:** *Department of Panchayat, Government of Uttarakhand and district annual work plan*

The Population of the state is 1,01,16,752 according to census of 2011 and an average density of 189 person/sq.km. in year 2011. The overall sex ratio in Uttarakhand is 963 female per 1000 male. The highest sex ratio is in District Almora i.e. 1142 and lowest is in Haridwar i.e. 879. Population density in the 13 districts of the State varies from a high of 817 per sq. km. in Haridwar to a low of 41 per

sq. km. in Uttarkashi. Different districts also recorded diverse population growth rates during the decade 2001-2011, from a strong 33.40% in Udham Singh Nagar to practical stagnation at -1.73% in Almora. As per census 2001 the SC comprises of 18.01% and ST of 2.09% in the whole population. The main tribes of Uttarakhand are Bhotia, Jaunsari, Bouksa and Tharu. They are mainly resite in Pithoragarh, Dehradun, Nainital and Udham Singh nager.

**Table 1.2**  
**Population figures at a glance**

S.No	Description	2001	2011	
1	Population	Male	43.26 Lakhs	51.54 Lakhs
		Female	41.63 Lakhs	49.62 Lakhs
		Total	84.89 Lakhs	101.16 Lakhs
2	Population Density	159 Per sq.km	189 Per sq.km	
3	Sex Ratio	964	963	
4	Decadal Population Growth	16.27 Lakhs (absolute)/19.17%		

*Source: Census 2011.*

**Table 1.3**  
**DISTRICT-WISE POPULATION AS PER CENSUS 2001**

Sl. No.	District	Area	Population according to Census 2001								
			All Communities			Scheduled Castes			Scheduled Tribes		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10	11	12
1	Almora	Rural	263,128	312,934	576,062	63,190	68,940	132,130	255	233	488
		Urban	30,720	23,785	54,505	4,354	3,946	8,300	206	184	390
		Total	293,848	336,719	630,567	67,544	72,886	140,430	461	417	878
2	Bageshwar	Rural	114,199	127,460	241,659	30,984	31,941	62,925	746	873	1,619
		Urban	4,311	3,492	7,803	825	774	1,599	153	171	324
		Total	118,510	130,952	249,462	31,809	32,715	64,524	899	1,044	1,943
3	Chamoli	Rural	154,197	165,459	319,656	29,338	29,677	59,015	3,688	4,042	7,730
		Urban	29,548	21,155	50,703	4,653	3,871	8,524	1,395	1,359	2,754
		Total	183,745	186,614	370,359	33,991	33,548	67,539	5,083	5,401	10,484
4	Champawat	Rural	92,816	97,948	190,764	16,882	16,687	33,569	296	277	573
		Urban	18,268	15,510	33,778	2,409	2,120	4,529	89	78	167
		Total	111,084	113,458	224,542	19,291	18,807	38,098	385	355	740
5	Dehradun	Rural	315,305	288,096	603,401	48,843	43,190	92,033	49,435	45,475	94,910
		Urban	364,278	314,464	678,742	43,082	38,333	81,415	2,487	1,932	4,419
		Total	679,583	602,560	1,282,143	91,925	81,523	173,448	51,922	47,407	99,329
6	Garhwal	Rural	281,706	325,497	607,203	47,201	49,516	96,717	744	604	1,348
		Urban	49,355	40,520	89,875	5,327	4,609	9,936	144	102	246
		Total	331,061	366,017	697,078	52,528	54,125	106,653	888	706	1,594
7	Hardwar	Rural	534,038	466,874	1,000,912	139,337	121,125	260,462	1,628	1,330	2,958
		Urban	241,983	204,292	446,275	28,365	25,149	53,514	100	81	181
		Total	776,021	671,166	1,447,187	167,702	146,274	313,976	1,728	1,411	3,139
8	Nainital	Rural	256,956	236,903	493,859	61,064	54,867	115,931	2,054	1,908	3,962
		Urban	143,298	125,752	269,050	16,874	15,379	32,253	514	485	999
		Total	400,254	362,655	762,909	77,938	70,246	148,184	2,568	2,393	4,961
9	Pithoragarh	Rural	194,810	207,646	402,456	49,118	48,949	98,067	7,341	7,593	14,934
		Urban	32,805	27,028	59,833	4,383	3,999	8,382	2,081	2,264	4,345
		Total	227,615	234,674	462,289	53,501	52,948	106,449	9,422	9,857	19,279

10	Rudraprayag	Rural	105,643	119,064	224,707	19,778	20,237	40,015	87	70	157
		Urban	1,892	840	2,732	189	107	296	19	10	29
		Total	107,535	119,904	227,439	19,967	20,344	40,311	106	80	186
11	Tehri Garhwal	Rural	258,401	286,500	544,901	40,698	41,346	82,044	169	104	273
		Urban	36,767	23,079	59,846	2,970	2,311	5,281	348	70	418
		Total	295,168	309,579	604,747	43,668	43,657	87,325	517	174	691
12	Udham Singh Nagar	Rural	434,654	397,946	832,600	63,118	55,948	119,066	55,081	53,727	108,808
		Urban	214,830	188,184	403,014	23,499	20,217	43,716	860	552	1,412
		Total	649,484	586,130	1,235,614	86,617	76,165	162,782	55,941	54,279	110,220
13	Uttarkashi	Rural	138,737	133,358	272,095	32,536	31,612	64,148	1,284	1,165	2,449
		Urban	13,279	9,639	22,918	1,755	1,564	3,319	130	106	236
		Total	152,016	142,997	295,013	34,291	33,176	67,467	1,414	1,271	2,685
<b>UTTARAKHAND</b>		<b>Rural</b>	<b>3,144,590</b>	<b>3,165,685</b>	<b>6,310,275</b>	<b>642,087</b>	<b>614,035</b>	<b>1,256,122</b>	<b>122,808</b>	<b>117,401</b>	<b>240,209</b>
		<b>Urban</b>	<b>1,181,334</b>	<b>997,740</b>	<b>2,179,074</b>	<b>138,685</b>	<b>122,379</b>	<b>261,064</b>	<b>8,526</b>	<b>7,394</b>	<b>15,920</b>
		<b>Total</b>	<b>4,325,924</b>	<b>4,163,425</b>	<b>8,489,349</b>	<b>780,772</b>	<b>736,414</b>	<b>1,517,186</b>	<b>131,334</b>	<b>124,795</b>	<b>256,129</b>

Source: Census 2001

**Table 1.4**  
**DISTRICT-WISE POPULATION AS PER CENSUS 2011**

S.No.	District	Total	Male	Female	Population change in Decade (%)	Sex Ratio
1	Uttarkashi	329686	168335	161351	11.75	959
2	Chamoli	391114	193572	197542	5.60	1021
3	Rudraprayag	236857	111747	125110	4.14	1120
4	Tehri Garhwal	616409	296604	319805	1.93	1078
5	Dehradun	1698560	893222	805338	32.48	902
6	Pauri Garhwal	686527	326406	360121	-1.51	1103
7	Pithoragarh	485993	240427	245566	5.13	1021
8	Bageshwar	259840	124121	135719	5.13	1093
9	Almora	621927	290414	331513	-1.73	1142
10	Champawat	259315	130881	128434	15.49	981
11	Nainital	955128	494115	461013	25.20	933
12	Udham Singh Nagar	1648367	858906	789461	33.40	919
13	Haridwar	1927029	1025428	901601	33.16	879
	<b>Uttarakhand</b>	<b>10116752</b>	<b>5154178</b>	<b>4962574</b>	<b>19.17</b>	<b>963</b>

Source: Census 2011

**Table 1.5**  
**DISTRICT-WISE POPULATION AS PER CENSUS 2001**

SN	District	Total Population	Decadal G. Rate	Scheduled Caste		Scheduled Tribes		Sex Ratio (/Thou. Male)
				Popu.	%	Popu.	%	
1	Almora	630567	3.14	140430	22.27	878	0.14	1146
2	Bageswar	249462	17.56	64524	25.87	1943	0.78	1105
3	Chamoli	370359	13.51	67539	18.24	10484	2.83	1016
4	Champawat	224542	9.21	38098	16.97	740	0.33	1021
5	Dehradun	1282143	24.71	173448	13.53	99329	7.75	887
6	Haridwar	1447187	26.30	313976	21.70	3139	0.22	865
7	Nainital	762909	32.88	148184	19.42	4961	0.65	906



8	Pauri Garhwal	697078	3.87	106653	15.30	1594	0.23	1106
9	Pithauragarh	462289	10.92	106449	23.03	19279	4.17	1031
10	Rudrprayag	227439	13.44	40311	17.72	186	0.08	1115
11	Tehri Garhwal	604747	16.15	87325	14.44	691	0.11	1049
12	US Nagar	1235614	27.79	162782	13.17	110220	8.92	902
13	Uttarkashi	295013	22.72	67467	22.87	2685	0.91	941
	<b>STATE</b>	<b>8489349</b>	<b>19.20</b>	<b>1517186</b>	<b>18.81</b>	<b>256129</b>	<b>2.09</b>	<b>964</b>

Source: Census 2001

**Table 1.6**  
**Literacy Status in 2001**

<b>Table 1.5 : Literacy Status in Uttarakhand</b>		
<b>Categories</b>	<b>India</b>	<b>Uttarakhand</b>
Person - All	64.80%	72.28%
Male	75.85%	84.01%
Female	54.16%	60.26%
Urban Area	80.30%	-
Rural Area	59.40%	-
SC - All	54.69%	63.40%
SC Male	66.64%	77.30%
SC Female	41.90%	48.70%
ST - All	47.10%	63.20%
ST Male	59.17%	76.40%
ST Female	34.76%	49.40%

**Source:** census 2001

**Table 1.7**  
**Districtwise Literacy Status in 2011**

<b>S.No.</b>	<b>District</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>
1	Uttarkashi	75.98	89.26	62.23
2	Chamoli	83.48	94.18	73.20
3	Rudraprayag	82.09	94.97	70.94
4	Tehri Garhwal	75.10	89.91	61.77
5	Dehradun	85.24	90.32	79.61
6	Pauri Garhwal	82.59	93.18	73.26
7	Pithoragarh	82.93	93.45	72.97
8	Bageshwar	80.69	93.20	69.59
9	Almora	81.06	93.57	70.44
10	Champawat	80.73	92.65	68.81
11	Nainital	84.85	91.09	78.21
12	Udham Singh Nagar	74.44	82.40	65.73
13	Haridwar	74.62	82.26	65.96
	<b>Uttarakhand</b>	<b>79.63</b>	<b>88.33</b>	<b>70.70</b>

Source: Census 2011

Land utilization data show that forest covered area in the State is very extensive. It is the largest land utilization covering almost 63% of the area of the State. The next important category is net shown

area, which covers about 14% of the State's area. In individual district forest area varies from a low of 23% (Haridwar) to a high of 89% (Uttarkashi), while net shown area varies from a low of 4 to 5 per cent of the total area (Uttarkashi and Chamoli) to 63 per cent (Hardwar).

Since inception, the area covered by the new State has seen a great change. The Terai and Bhabar areas of Kumaon stand transformed from malaria-infested and swampy wildernesses into modern advanced agricultural and trading regions. With the spread of the road network, most, but not all, of the interior areas are now linked to the main arteries of flow of trade and traffic, which is placed at the top of the present volume. As a result, their social and economic life stands transformed. However, access to the railway network is very limited, as only 24 block headquarters out of 95 in the State are within a distance of 0-49 km of a railhead. Awareness and literacy levels are uniformly high across the districts.

**Map showing rail connectivity in 13 districts.**

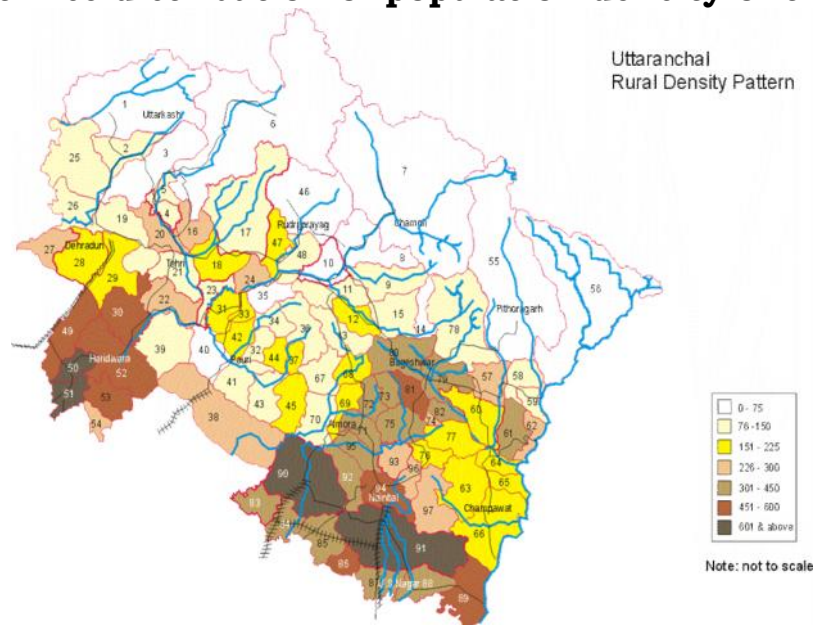


### **Population distribution**

Distribution of rural population in Uttarakhand is rather uneven. This is vividly brought out in the Map, which depicts the rural density pattern. The highest density of rural population is concentrated in the southern half of the State, encompassing the districts of Dehradun (Doon valley), Haridwar, Udham Singh Nagar and parts of Nainital, where the population density is 451 persons per sq. km. and more. The reason for high population density in these districts is quite obviously their location in the fertile plains areas of the Upper Doab, Terai-Bhabar, and the Doon Valley. In the inner Himalayas, there are many Blocks of average population density (between 151 and 300 persons per sq. km.) in Nainital, Almora, Pithoragarh, Champawat and Bageshwar districts and a few isolated pockets in Pauri Garhwal, Tehri Garhwal, Chamoli and Rudrapurayag

districts located in the Lesser Himalayas. Many of these places are situated in fertile mountain valleys, of which the larger number is in Kumaon region than in Garhwal. In the rest of the State, population density is low (less than 150 persons per sq. km.).

### District wise distribution of population density of the State



For understandable reasons, population is especially sparsely distributed in the Greater Himalayas spanning Uttarkashi, Rudraprayag, Chamoli and Pithoragarh districts, large parts of which are snow-bound, barren and inhospitable. When the population density map is read in conjunction with the map giving the location of Municipality and Block headquarters an interesting pattern emerges. Most of the towns housing municipalities are located either in the densely populated areas of the State located in the Upper Doab, Terai-Bhabar, and Doon Valley regions, or along major rivers, especially in Garhwal. The latter also happens to be important tourist centres, and halting places along the pilgrimage route to the Himalayan shrines. As a result, large parts of the State lying in the Lesser Himalayas are not served by municipalities, and the only form of development centres that they have are the Kshetra Panchayat (Development Block) headquarters. Of the 95 Kshetra Panchayats in Uttarakhand, the headquarters of only 29 have a municipal body. The KP headquarters, on the other hand, are fairly evenly spread out over the populated parts of the State. Rural density pattern is shown in the map. The importance of the geographical factors in Uttarakhand may be interpreted with the help of the relative distribution of the urban and rural population as well as Municipalities and Panchayats across the districts given in table below.

**Table 1.8 District Wise Distribution of Sub District Units**

District	% Rural population (2001 census)	No. of Kshetra Panchayats		% Urban Population (2001 census)	No. of Municipalities	
		Total	Within 0-49 Km of Rail head		Total	Within 0-49 Km of Rail head
Uttarkashi	92.21	6	None	7.79	3	None
Chamoli	86.57	9	None	13.43	6	None
Rudraprayag	98.80	3	None	1.2	2	None
Tehri	90.33	9	1	9.67	6	2
Dehradun	47.06	6	4	52.94	6	6
Pauri Garhwal	87.05	15	3	12.95	4	2
Pithoragarh	87.86	8	None	12.14	3	1
Champawat	85.42	4	None	14.58	3	None
Almora	91.44	11	None	8.56	2	None
Bageshwar	96.87	3	None	3.13	1	None
Nainital	64.64	8	6	35.36	7	7
U.S.Nagar	67.35	7	7	32.65	14	14
Haridwar	69.14	6	6	30.86	6	6
<b>Total</b>	<b>74.41</b>	<b>95</b>	<b>27</b>	<b>25.59</b>	<b>63</b>	<b>38</b>

It is important to recognize and take into account the demographic, natural and geographic features which characterize the State since they practically dominate the influence daily life, economy, culture and tradition of the people, and provide a clue to the underlying reality of the wide range and variety of settlement patterns, and greatly influence the nature of and prospects for social and economic development.

### **Economic Condition**

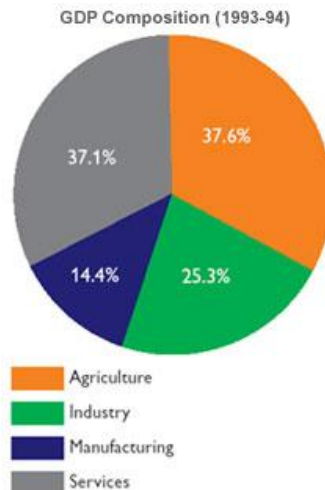
Uttarakhand is pre-dominantly rural with population usually concentrated in the valleys and mountain slopes, with a typical village/habitation consisting of 30-40 families who share common resources. In the rural areas, the socio-economic condition is primarily based on horticulture, sheep rearing and tourism. Agriculture has been adopted as means of livelihood. Paddy is the major crops in irrigated areas and white Maize is grown in higher un-irrigated slopes. Other locally grown cereals and millets are *Bhatt*, *Gahat* and *Mandua*. Villages are heavily dependent on the surrounding forests for compost and water. Individual landholdings are small and scattered. Animal draught power is utilized to plough the land wherever possible. Other alternative is human labour which is used for the purpose; mechanized farming is out of question in hill regions.

Inadequate production in the agricultural fields, increase in population, increasing demand on natural resources and lack of alternative employment opportunities within Uttarakhand together are responsible for out-migration of the men-folk from the villages to cities

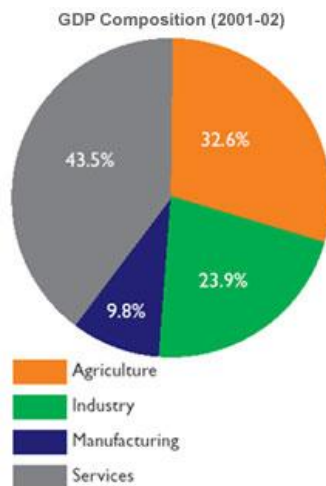
within State and outside. In the absence of men, customarily entire burden of managing household comes on women.

### **State Economic Profile: Tapping the Vast Potential**

Uttarakhand with its vast natural resource base, large forest cover and enormous power potential holds the potential of being one of the most prosperous states in the country. The state domestic product during 2001-02 was around USD 1647 millions with a per annum growth rate of 4.4 per cent during 1993-94 to 2001-02.



**Source:** CSO



**Source:** *Economic Survey 2003-04*

### **Infrastructure**

Infrastructure is in terms of power and road connectivity, health and drinking water facility is developing in fast pace since the formation of State. 94% of State has drinking water facility. Villages are being connected with the help of massive rural roads programme and other schemes, while power situation is being addressed through combination of power solutions. However since these tasks are time

consuming and become so more in the hills, infrastructural blocks still is an issue. Providing facilities in far-flung areas is still a challenging job. As a result clogged urban areas and sparsely populated rural hill areas pose good amount of challenge when it comes to project/programme management.

### Literacy Status:

In terms of literacy levels Uttarakhand has 14th position in the country. With the help of various government interventions there has been significant progress in the field of education in the State. Literacy percentage of the state is 79.63 against all India average of 74.04. Census data of 2011 shows that the gender gap is still an issue to be addressed in Uttarakhand with male and female literacy rates being 88.33 and 70.70 percent respectively.

**Table 1.9 Castwise Literacy Rate (2001)**

S. No	District	Literacy Rate									Rural Female Literacy Rate
		All Communities			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	2	3	4	5	6	7	8	9	10	11	15
1	Almora	90.15	61.43	75.79	78.32	48.69	63.51	82.71	61.94	72.33	61.96
2	Bageshwar	88.56	57.45	73.01	81.53	48.78	64.76	92.01	70.32	80.31	57.00
3	Chamoli	89.66	61.63	75.65	84.35	52.95	68.72	92.43	67.22	79.29	59.11
4	Champawat	87.49	51.22	69.36	80.56	44.34	62.57	76.27	50.57	64.59	51.22
5	Dehradun	76.50	61.02	68.76	75.13	55.67	66.06	69.91	42.79	57.04	60.55
6	Haridwar	73.83	52.10	62.97	70.69	41.87	57.25	59.22	29.71	46.33	42.76
7	Nainital	72.74	59.17	65.96	73.49	59.17	66.33	80.23	76.22	78.23	55.35
8	Pauri	90.91	65.70	78.31	64.51	42.19	53.35	96.00	64.70	80.35	57.32
9	Pithoragarh	90.57	63.14	76.86	73.20	43.56	58.38	74.71	47.59	61.15	63.14
10	Rudraprayag	90.73	59.98	75.36	60.70	35.12	47.91	91.60	78.30	84.95	59.42
11	Tehri	76.85	44.98	60.92	50.58	30.89	40.74	81.63	68.57	75.10	51.59
12	U.S. Nagar	75.22	53.35	64.29	68.53	40.72	55.62	78.52	48.97	63.95	62.20
13	Uttarkashi	83.60	46.69	65.15	36.35	25.26	30.81	65.70	55.04	60.37	43.49
<b>Total</b>		<b>84.01</b>	<b>60.26</b>	<b>72.28</b>	<b>77.30</b>	<b>48.70</b>	<b>63.40</b>	<b>76.40</b>	<b>49.40</b>	<b>63.20</b>	<b>55.78</b>

Source : Census 2001

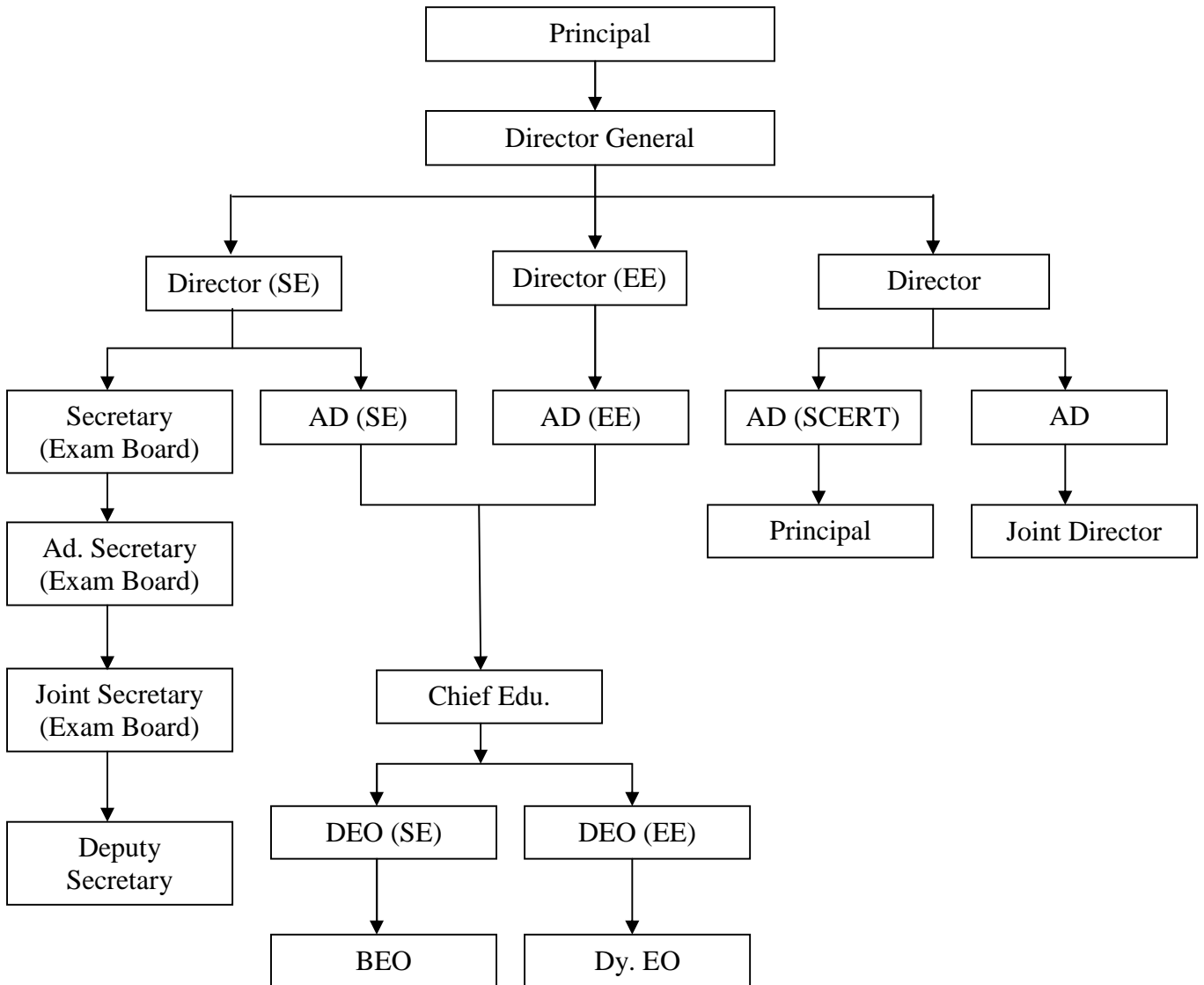
**Table 1.10 Literacy Rate (2011)**

<b>S.No.</b>	<b>District</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>
1	Uttarkashi	75.98	89.26	62.23
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<b>Uttarakhand</b>		<b>79.63</b>	<b>88.33</b>	<b>70.70</b>

*Source: Census 2011*

A key factor going in Uttarakhand's favour in attracting services and industrial investments is its significantly high level of literacy. The overall rate of literacy in the state jumped up to 79.63 per cent in 2011 from 72.28 percent in 2001. This endows it with large pool of educated labour that industry can draw from. Importantly, the spread of high level of literacy is even across the rural and urban sectors with the respective literacy rate of 77.11 and 85.20 percent. The total school enrolment ratio for Uttarakhand for the age group of 6-17 was at 87 percent, significantly higher than the all India ratio of 72 percent. The high level of literacy and existence of large number of good quality educational institutions, research and training institutes and institutes of excellence indicate the abundant availability of quality human resource base. This can be supported by the facts charted hereby. During 2002-03, state of Uttarakhand was amongst the few states with 100 percent trained teachers in all the levels of education.

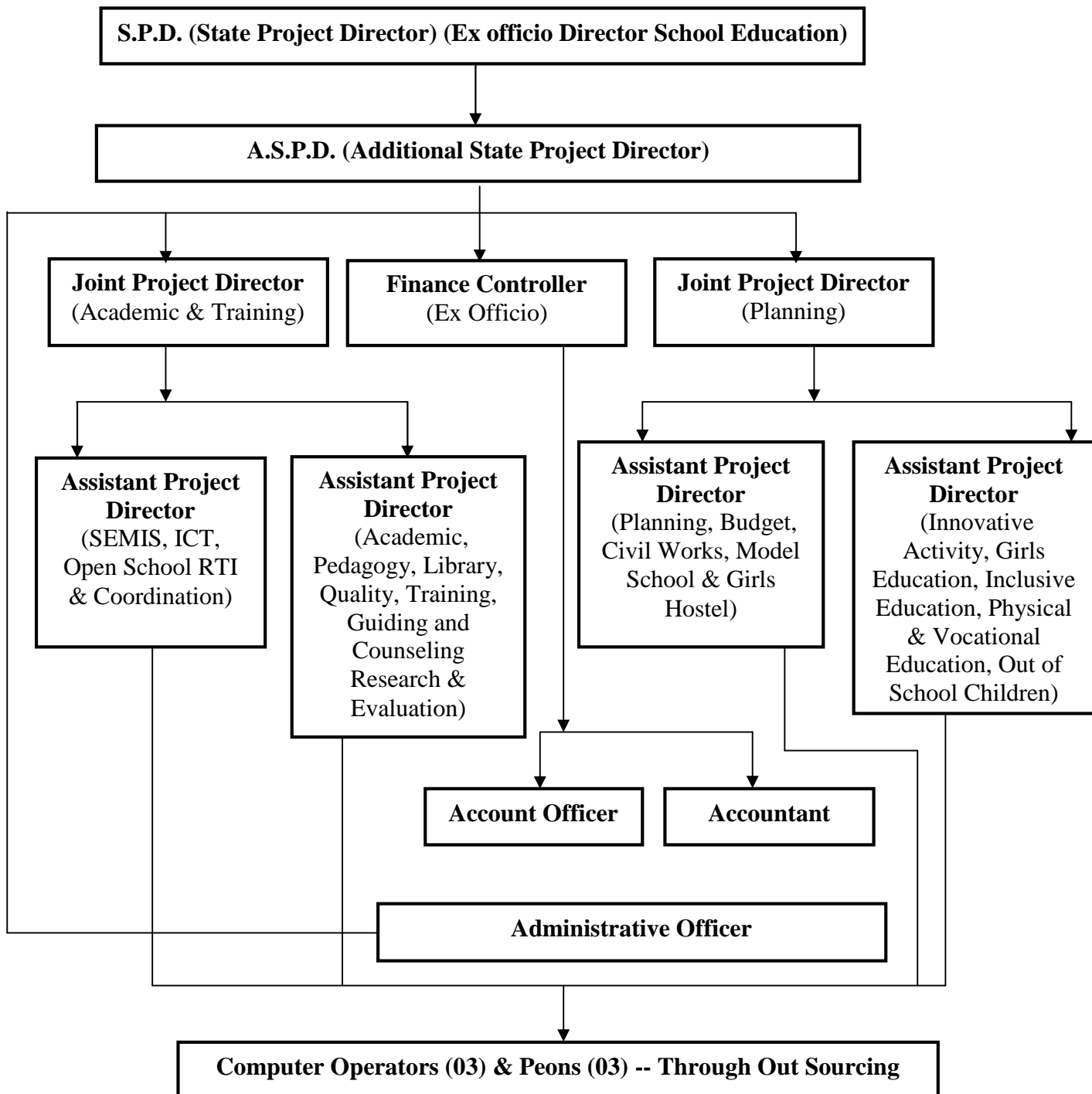
## Organisational Structure of Department of School Education, Uttarakahnd



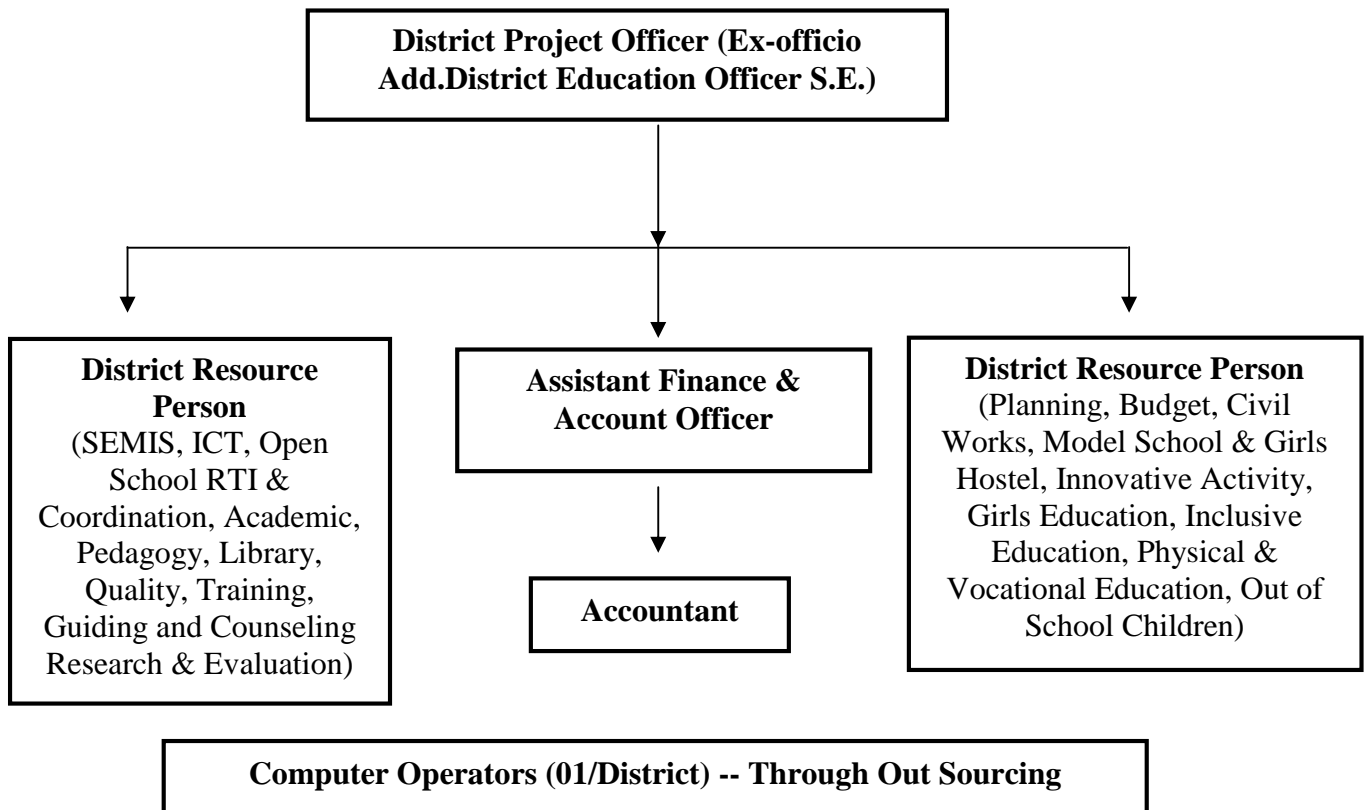




**RASTRIYA MADHYAMIK SHIKSHA ABHIYAN. UTTARAKHAND**  
**(Structural Organization)**  
**S.P.O. (State Project Office)**



**RASTRIYA MADHYAMIK SHIKSHA ABHIYAN. UTTARAKHAND**  
**(Structural Organization)**  
**D.P.O. (District Project Office)**



## Chapter II

### Brief introduction to RMSA

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#### **Vision, Aims and Objectives of RMSA at National Level**

Government of India has committed to the goal universalisation of secondary and higher secondary education. The 11<sup>th</sup> Five Year Plan document particularly emphasised on the universalisation of secondary and higher secondary education in the same line and committed for. The Hon'ble Prime Minister of India speech on Independence Day in 2007 has proposed to launch the Scheme for Universalisation of Access for Secondary Education (SUCCESS). A precursor to these initiatives was the National Policy on Education (NPE), 1986 which stated that access to secondary education should be widened. Then, the Tenth Plan Mid-Term Appraisal (MTA) document of the Planning Commission of India recommended for setting up of a new Mission for Secondary Education on the lines of SSA. Finally, it is the recommendation of the Central Advisory Board of Education (CABE) which is the highest deliberative and advisory forum on Education in the country, committee report 2005. In accordance with the goal of universalisation of secondary and higher secondary education, initiatives are made for the plan of action in this direction.

The Centrally Sponsored Scheme Rashtriya Madhyamik Shiksha Abhiyan (RMSA) is a modified version of SUCCESS. The RMSA scheme is for universalisation of access to and improvement of quality at the secondary and higher secondary stage. Since education is a state subject by Constitution in the Indian federal system and thereby the state governments are the policy/decision makers on this subject, the RMSA is to motivate the state government and prepare them to take up the goal of Universalisation of Secondary and Higher Secondary Education in their respective states. Unlike the Universalisation of Elementary Education which is by Constitution a mandate, the Universalisation of Secondary and Higher Secondary Education is not mandatory by Constitution but by morale and by need.

Under the RMSA the central government through the Ministry of Human Resource Development (MHRD) helps the states in mapping the secondary education system at present, approach and strategy for universalising the secondary and higher secondary education, setting the goal and targets, plan of action, programmes design and implementation and mobilising resources for all these activities. In this context, this document is to present the status and perspective framework plan for the secondary education in Uttarakhand.

#### **Vision**

The vision for secondary education is to make good quality education available, accessible and affordable to all young persons in the age group of 14-18years. With this vision in mind, the following is to be achieved:

- To provide a secondary school within a reasonable distance of any habitation, which should be 5 Kms for secondary schools and 7-10 Kms for higher secondary schools;

- Ensure universal access of secondary education by 2017 (GER of 100%), and Universal retention by 2020; and
- Providing access to secondary education with special references to economically weaker sections of the society, the educationally backward, the girls and the disabled children residing in rural areas and other marginalized categories like SC, ST, OBC and Educationally Backward Minorities (EBM).

### **Goals and Objectives**

The prime goal is universalisation of secondary education. In order to meet the challenge of universalisation of secondary education (USE), there is a need for a paradigm shift in the conceptual design of secondary education. The guiding principles in this regard are: universal access, equality and social justice, relevance and development and structural and curricular aspects. Universalisation of secondary education gives opportunity, to move towards equity. The concept of 'common school' will be encouraged. If these values are to be established in the system, all types of schools including unaided private schools will also contribute towards universalisation of secondary education by ensuring adequate enrolments for the children from under privileged society and the children of below poverty line (BPL) families. The goals translate into the following main objectives.

- i) To ensure that all secondary schools have physical facilities, staff and supplies at least according to the prescribed standards through financial support in case of Government/ Local Body and Government aided schools, and appropriate regulatory mechanism in the case of other schools;
- ii) To improve access to secondary schooling to all young persons according to norms – through proximate location (say, Secondary Schools within 5 kms, and Higher Secondary Schools within 7-10 kms), efficient and safe transport arrangements/residential facilities, depending on local circumstances including open schooling. However, in hilly and difficult areas, these norms can be relaxed. Preferably residential schools may be set up in such areas;
- iii) To ensure that no child is deprived of secondary education of satisfactory quality due to gender, socio-economic, disability and other barriers;
- iv) To improve quality of secondary education resulting in enhanced intellectual, social and cultural learning;
- v) To ensure that all students pursuing secondary education receive education of good quality; and
- vi) Achievement of the above objectives would also, inter-alia, signify substantial progress in the direction of the Common School System.

### **Approach and Strategy for Secondary Stage**

In the context of Universalisation of Secondary Education (USE), large-scale inputs in terms of additional schools, additional classrooms, teachers and other facilities need to be provided to meet the challenge of numbers, credibility and quality. It inter-alia requires assessment/ provision of educational needs, physical infrastructure, human resource, academic inputs and effective monitoring of implementation of the programmes. The scheme will initially

cover up to class X. Subsequently, the higher secondary stage will also be taken up, preferably within two years of the implementation. The strategy for universalizing access to secondary education and improving its quality are as under:

### **Access**

For providing universal access to quality secondary education it is imperative that especially designed broad norms are developed at the national level and provision may be made for each State/UT keeping in mind the geographical, socio-cultural, linguistic and demographic condition of not just the State/UT but also, wherever necessary, of the locality. Increased access will be achieved by:

- Expansion of existing Secondary Schools & Higher Secondary Schools;
- Upgradation of Upper Primary Schools based on micro planning exercise with all necessary infrastructure facilities and teachers. Ashram Schools will be given preference while upgrading upper primary schools;
- Upgradation of Secondary Schools in Higher Secondary Schools based upon the requirements;
- Opening of new Secondary Schools/ Higher Secondary Schools in so far unserved areas based on the school mapping exercise. All these buildings will have mandatory water harvesting system and will be disabled friendly;
- Rain Water harvesting systems will be installed in existing school buildings;
- Existing school buildings will also be made disabled friendly; and
- New schools will also be set up in PPP mode.

### **Quality**

This will be achieved by:

- Providing required infrastructure like, Black Board, furniture, Libraries, Science & Mathematics laboratories, computer labs, toilet cluster;
- Appointment of additional teachers and in-service training of teachers;
- Bridge courses for enhancing learning ability for students passing out of class VIII;
- Reviewing curriculum to meet the NCF, 2005 norms;
- Residential accommodation for teachers in rural and difficult hilly areas; and
- Preference will be given to accommodation for female teachers.
- Use of EDUSAT in teaching learning process and teacher training programme.

### **Equity**

This will be improved by:

- Free lodging/ boarding facilities for students belonging to SC,ST,OBC and minority communities;
- Hostels/ residential schools, cash incentive, uniform, books, separate toilets for girls.

- Providing scholarships to meritorious/ needy students at secondary level;
- Inclusive education will be the hallmark of all the activities. Efforts will be made to provide all necessary facilities for the differently abled children in all the schools; and
- Expansion of Open and Distance Learning needs to be undertaken, especially for those who cannot pursue full time secondary education, and for supplementation / enrichment of face-to-face instruction. This system will also play a crucial role for education of out of school children.

### **Institutional Reforms and Strengthening of Resource Institutions**

Necessary administrative reforms in each State will be a precondition for Central assistance. These Institutional reforms include:

- Reforms in school governance- Improve schools' performance by decentralizing their management and accountability;
- Adopting a rational policy of teacher recruitment, deployment, training, remuneration and career advancement;
- Undertaking reforms in educational administration including modernization / e-governance and delegation / de-centralization;
- Provision of necessary professional and academic inputs in the secondary education system at all levels, i.e., from the school level upwards; and streamlining financial procedures for speedy flow of funds and their optimal utilization.
- Necessary strengthening of resource institutions at various levels, e.g., NCERT (including RIEs), NIEPA and NIOS, at the national level; SCERTs, State Open Schools, SIEMATs, etc., at the State level; and University Departments of Education, Reputed Institutions of Science / Social Science / Humanities Education, and Colleges of Teacher Education (CTEs) / Institutions of Advanced Study in Education (IASEs) funded under the Centrally-sponsored Scheme of Teacher Education.

Involvement of Panchayati Raj and Municipal Bodies, Community, Teachers, Parents and other stakeholders in the management of Secondary Education, through bodies like School Management Committees and Parent – Teacher Associations will be ensured in planning process, implementation, monitoring and evaluation.

Central Government operates four Centrally Sponsored Schemes i.e. (i) ICT@ schools for providing assistance to State Governments for computer education and computer aided education in secondary and higher secondary schools; (ii) Integrated Education for Disabled Children (IEDC) for assisting State Governments and NGOs in mainstreaming the disabled children in school education; (iii) Strengthening of Boarding and Hostel facilities for Girl Students of Secondary and Higher Secondary Schools (Access and Equity) for providing assistance to NGOs to run Girls' Hostels in the rural areas; and (iv) Quality improvement in schools which included provision of assistance to State Governments for introduction of Yoga, for improvement of Science education in schools, for environment education and for population education in addition to supporting International Science Olympiads.

All these schemes, in the present or modified forms, will be subsumed in a new scheme and will include provision for earning while learning for financially weaker children by preparing them for self employment or part-time employment.

### Specific Targets at National Level

Under the RMSA scheme to universalise the secondary and higher secondary education by 2020, the government of India set specific targets for different components of the secondary and higher secondary education system. The short terms target year is 2012 and the long term is 2017. With respect to enrolment, it is targeted that the GER in the secondary and higher secondary in the short term should be 75 per cent by 2012 and reach 100 per cent in the long term by 2017.

**Table 2.1 The proposed investments can be captured in tabular form as indicated below**

Goal	Indicators	Source of Information
<p><b>To make secondary education of good quality available, accessible and affordable to all Indian adolescent girls and boys up to the age of 16 by 2020.</b></p>	<ul style="list-style-type: none"> <li>• Increase in the enrolment in secondary education of young people aged 14 to 16 years from 24 million in 2005 to 40 million by 2012; to 50 million by 2015; and to 56 million by 2020;</li> <li>• GER at Secondary level increases from 52% to 70% by 2011/12; to over 100% by 2017;</li> <li>• GER Higher secondary reaches over 70% by 2015</li> <li>• Enrolment shares of girls, SCs, STs and minorities in secondary education will increase in proportion to their share in the population at the national and State levels;</li> <li>• Drop out rate at secondary level will decrease to less than 3% by 2015</li> <li>• Transition rate from Class IX to X will increase from 85% in 2005 to over 90% in 2012;</li> <li>• Promotion rate to Class XI will increase to 75% by 2015</li> <li>• Learning levels at Classes IX and X will be improved and are adequately and regularly monitored;</li> <li>• Improvement in learning levels at Classes IX and X will be ensured.</li> </ul>	<p>Household surveys.</p> <p>All India School Education Survey</p> <p>SEMIS</p> <p>Selected Education Statistics</p> <p>NCERT quality monitoring and assessment data</p> <p>Class X Examination data</p>



Objectives	Indicators	Source of Information
<b>1 All secondary schools conform to prescribed norms.</b>	<ul style="list-style-type: none"> <li>All schools will have space and facilities according to prescribed norms of minimum quality standards, including one classroom for every 40 students; a laboratory and library; disabled access; separate toilets for girls and boys.</li> <li>Computer and other ICT facilities will be available in all secondary schools according to prescribed norms.</li> </ul>	
<b>2 Availability and access of secondary schooling to all Indian adolescent girls and boys up to the age of 16 by 2020.</b>	<ul style="list-style-type: none"> <li>All habitations will have access to a secondary school within a radius of 5km except those in special circumstances</li> <li>6,000 new model schools, including 2,500 KV template and 2,500 Public Private Partnership schools will be established by 2012;</li> <li>11,000 upper primary schools (with 44,000 additional secondary classrooms) in EBBs will be upgraded to secondary schools by 2012;</li> <li>Expanded capacity for 44,000 existing secondary schools in EBBs – 44000 x 2 = 88000 additional class rooms (ACR) by 2012;</li> <li>3,500 girls’ secondary school hostels for EBBs, including up-grading of 2,000 KGBVs in EBBs for secondary education.</li> <li>Transition rate between upper primary and secondary will improve from 85% to 92% by 2012 and to 95% by 2015.</li> <li>Dropout rate at secondary will reduce to less than 3% by 2015.</li> <li>Number of out of school children of secondary school age (14-16) will reduce to less than 5% of the age group by 2015.</li> </ul>	SEMIS State reports and State Norms Specially commissioned studies All India School Education Survey Selected Education Statistics NCERT Quality Monitoring
<b>3 Equity through the removal of regional, gender, socio-economic and disability gaps.</b>	<ul style="list-style-type: none"> <li>Disaggregated data for the enrolment of girls, SC, ST, Muslims and disabled at national and state levels will be available.</li> <li>Shares of girls, SCs, STs, Muslims and disabled in enrolment at secondary level will be increased in proportion to their share in the population at the national and state level.</li> <li>Means cum merit scholarships (100,000 a year of approx 6,000Rs) for specific disadvantaged groups will be taken up according to schedule.</li> <li>Incentives for girls (especially from disadvantaged groups, SC, ST) to promote their participation in secondary education will be implemented according to schedule.</li> </ul>	SEMIS

Objectives	Indicators	Source of Information
<b>4 Education of good quality for all students</b>	<ul style="list-style-type: none"> <li>• 180,000 additional secondary school teachers will be recruited for existing secondary schools and for upgraded upper primary schools by 2012.</li> <li>• Pupil-Teacher ratio at secondary level will improve from 33:1 to 30:1 by 2012, and to 25:1 by 2015.</li> <li>• % trained teachers in secondary schools will increase from 89% to 100% by 2012.</li> <li>• There will be improved availability of textbooks for secondary classes.</li> <li>• Availability of teaching learning materials will be improved.</li> <li>• NCF 2005 will be implemented.</li> <li>• Percentage of teachers receiving in-service training against annual targets will be improved.</li> <li>• Model schools will serve as pace setting institutions of excellence and also as resource centres for the professional development of secondary school teachers within each block.</li> <li>• DIETs and BRCs will be strengthened to support secondary school teacher professional development through the model schools/resource centres.</li> <li>• Change in classroom practices as measured by time spent on task.</li> <li>• Student attendance rates will be improved.</li> <li>• Teacher attendance rates will be improved.</li> <li>• Percentage of schools with functional management committees and village education committees with reporting role in school supervision will be increased to 100% by 2015.</li> <li>• Learning levels of Class IX and X will be improved on national monitoring tests by 5% a year.</li> </ul>	

The Government of India has launched, in 2007, a centrally sponsored scheme, Rashtriya Madhyamik Shiksha Abhiyan (RMSA), for universalisation of access to and improvement of quality at the secondary and higher secondary stage. Since education is a state subject by the constitution in the Indian federal system and state governments are policy and decision makers on this subject, RMSA is a crucial step to prepare the state governments to take up the goal of Universalisation of Secondary Education in each state and union territory of the country. Unlike Universalisation of Elementary Education, which is a constitutional mandate, Universalisation of Secondary Education (USE) is not mandatory by Constitution but by morale and by need. This means that well-thought out and practically possible goals and strategies for implementation must emerge from the states and union territories. While at the national level, the vision, aims, goals and objectives of RMSA and the approach and strategy to achieve the goal of USE were already developed. This Chapter presents the state specific vision, goals and objectives of Uttarakhand in the context of the national level vision, goals

and objectives of RMSA, and presents the approach and strategy that would be taken up in Uttarakhand.

### **Vision, Aims and Objectives of RMSA at National Level and State level**

At the national level, the vision for secondary education is to make good quality education available, accessible and affordable to all young persons in the age group of 14-18 years. With this vision in mind, the following is to be achieved:

- To provide a secondary school within a reasonable distance of any habitation, which should be 5 Kms for secondary schools (High School) and 7-10 Kms for higher secondary schools (Intermediate);
- Ensure universal access of secondary education by 2017 (GER of 100%), and universal retention by 2020; and
- Providing access to secondary education with special reference to economically weaker sections of the society, the educationally backward, the girls and the disabled children residing in rural areas and other marginalized categories like SC, ST, OBC and Educationally Backward Minorities (EBM).

The State vision is on the same lines as the national vision.

However, Uttarakhand has drawn up its vision statement in the following words:

“To ensure quality education that is available, accessible and affordable to every young person in the age group of 14-18 and prepare them to become global citizens with intellectual, scientific, social, cultural and humane outlook.”

The specific aims set thereby to make this vision a reality are:

- To make all secondary schools conform to the prescribed norms regarding physical facilities, qualified staff and academic matters through financial support in case of government and local body schools, and appropriate regulatory mechanism in the case of other schools;
- To make secondary schools fulfilling prescribed norms available to every person in the proximate location, with satisfactory infrastructure and transportation/residential facilities depending on local needs;
- To provide for access with equity in terms of gender, socio-economic status, CWSN and other marginalized groups, and good quality for all the secondary school aged population.

## **Goals and Objectives at National Level and State level**

The national policy document of RMSA has drawn up the following specific goals and objectives

- i) To ensure that all secondary schools have physical facilities, staff and supplies at least according to the prescribed standards through financial support in case of Government/ Local Body and Government aided schools, and appropriate regulatory mechanism in the case of other schools;
- ii) To improve access to secondary schooling to all young persons according to norms – through proximate location (say, Secondary Schools within 5 kms, and Higher Secondary Schools within 7-10 kms), efficient and safe transport arrangements/residential facilities, depending on local circumstances including open schooling. However, in hilly and difficult areas, these norms can be relaxed. Preferably residential schools may be set up in such areas;
- iii) To ensure that no child is deprived of secondary education of satisfactory quality due to gender, socio-economic, disability and other barriers;
- iv) To improve quality of secondary education resulting in enhanced intellectual, social and cultural learning;
- v) To ensure that all students pursuing secondary education receive education of good quality; and
- vi) Achievement of the above objectives would also, inter-alia, signify substantial progress in the direction of the Common School System.

The state abides by these broad national goals and objectives, and specifically adds on certain key qualitative objectives that would guide its progress towards meeting its vision and goal. They are:

- a. To equip and empower professional competence of the heads and teachers for school effectiveness and classroom processes;
- b. To provide opportunity to secondary level students to compare, collaborate, compete and contribute to the world at large; and
- c. To develop life-skills of students, and enhance overall quality of life.

The RMSA goals that the State has envisaged are:

- All secondary school age children in schools by 2013,
- All secondary school age children in secondary classes appropriate to their age by 2017, and
- All higher secondary age children will complete secondary school by 2020.

## **Approach and Strategy for Secondary Stage at National Level and State level**

The national policy document mentions that in the context of USE, large-scale inputs in terms of additional schools, additional classrooms, teachers and other facilities need to be provided to meet the challenge of numbers, credibility and quality. It inter-alia requires assessment and provision of educational needs, physical infrastructure, human resource, academic inputs and effective monitoring of implementation of the programmes. The scheme will initially cover up to class X. Subsequently, the higher secondary stage will also be taken up, preferably within two years of the implementation. The strategy for universalizing access to secondary education and improving its quality are as under:

### **Access**

For providing universal access to quality secondary education it is imperative that especially designed broad norms are developed at the national level and provision may be made for each State/UT keeping in mind the geographical, socio-cultural, linguistic and demographic condition of not just the State/UT but also, wherever necessary, of the locality. Increased access will be achieved by:

- Strengthening of existing Secondary Schools & Higher Secondary Schools;
- Upgradation of Upper Primary Schools in Secondary Schools based on micro planning exercise with all necessary infrastructure facilities and teachers. Ashram Schools will be given preference while upgrading upper primary schools;
- Upgradation of Secondary Schools in Higher Secondary Schools based upon the requirements;
- Opening of new Secondary Schools/ Higher Secondary Schools in so far unserved areas based on the school mapping exercise. All upgradation and new schools will have adequate physical infrastructure, man power and teaching learning equipments;
- Rain harvesting systems will be installed in existing school buildings;
- Existing school buildings will also be made disabled friendly; and
- New schools will also be set up in PPP mode.

While Uttarakhand has already ensured approximate 100% GAR in primary and upper primary levels to all habitations as per Norms, school mapping exercise has indicated that a number of districts have not yet provided adequate secondary schools within the 5km Norm. While residential schools should also be an option, up-gradation wherever relevant is to be preferred. Each Secondary and Higher Secondary School

will develop an institutional plan, and each block a micro-mapping exercise. Due regard should be given where needed to open schools in hilly terrain and with natural barriers.

### **Quality**

The national policy document states that quality will be achieved by:

- Providing required infrastructure like, Black Board, furniture, Libraries, Science and Mathematics laboratories, computer labs, toilet cluster;
- Appointment of additional teachers and in-service training of teachers;
- Bridge courses for enhancing learning ability for students passing out of class VIII;
- Reviewing curriculum to meet the NCF, 2005 norms;
- Residential accommodation for teachers in rural and difficult hilly areas; and
- Preference will be given to accommodation for female teachers.

In furthering these, the state aims to include availability of ICT infrastructure and intensive use of ICT in secondary education, provision of more number of days of in-service training to teachers, and overall improvement of performance of all schools by decentralizing their management and improving accountability. Uttarakhand aims to establish child-friendly schools with prescribed benchmarks of quality.

Providing infra-structure includes not only blackboards in usable well-polished conditions with chinks and dusters all round the year, but also SMART boards in schools, furniture that is both student-friendly and classroom friendly facilitating movement and group-work, libraries with books to kindle the interest of reading among children along with registers to maintain student-use and follow-up like book-reviews, and science, math and multi-media language laboratories with adequate equipments for active use by every student. Besides, adequate and appropriate provision of drinking water and toilets cannot be neglected.

Uttarakhand is keen to focus not just on the above quantitative inputs to quality but on qualitative teaching-learning processes in place. It follows the lines of the Secondary Education Commission, 1952 which defined curriculum as not just the academic subjects traditionally taught in the school but the totality of experiences of students in school, classrooms, library, laboratory, playgrounds and in the numerous informal contacts between teachers and pupils. Education is meaningful for children when adequate variety and elasticity in the curriculum allows for individual differences and adaptation to individual needs and interests. The state is also keen to turn a number of ideas provided in the National Curriculum Framework into reality.

## **Equity**

The national level document mentions that equity will be improved by:

- Free lodging/ boarding facilities for students belonging to SC,ST,OBC and minority communities;
- Hostels/ residential schools, cash incentive, uniform, books, separate toilets for girls.
- Providing scholarships to meritorious/ needy students at secondary level;
- Inclusive education will be the hallmark of all the activities. Efforts will be made to provide all necessary facilities for the differently abled children in all the schools; and
- Expansion of Open and Distance Learning needs to be undertaken, especially for those who cannot pursue full time secondary education, and for supplementation /enrichment of face-to-face instruction. This system will also play a crucial role for education of out-of-school children.

In Uttarakhand, which has been a forerunner in terms of socio-political movements for equity through education, equity will be an in-built priority within every strategy of access and quality. Besides, special care will also be taken for socially disadvantaged pockets. Despite the state's positive discrimination to disprivileged communities over time, some difficult-to-reach areas are inaccessible and isolated small habitations particularly in hilly and forest areas with lack of adequate qualified women teachers and adequate accommodations for students and teachers. There are also some pockets with frequent migration and with persisting high gender and social gaps. It is in this regard that the State's proactive policies for equity in secondary education will gain special consideration. First generation learners need special care in a number of areas.

## **Institutional Reforms and Strengthening of Resource Institutions**

Necessary administrative reforms in State will be a precondition for Central assistance. These Institutional reforms include:

- Reforms in school governance- Improve schools' performance by decentralizing their management and accountability;
- Adopting a rational policy of teacher recruitment, deployment, training, remuneration and career advancement;
- Undertaking reforms in educational administration including modernization/e-governance and delegation/de-centralization;
- Provision of necessary professional and academic inputs in the

secondary education system at all levels, i.e., from the school level upwards; and streamlining financial procedures for speedy flow of funds and their optimal utilization.

- Necessary strengthening of resource institutions at various levels, e.g., NCERT (including RIEs), NUEPA and NIOS, at the national level; SCERTs, State Open Schools, SIEMATs, etc., at the State level; and University Departments of Education, Reputed Institutions of Science/Social Science/Humanities Education, and Colleges of Teacher Education (CTEs)/ Institutions of Advanced Study in Education (IASEs) funded under the Centrally-sponsored Scheme of Teacher Education.
- Involvement of Panchayati Raj and Municipal Bodies, Community, Teachers, Parents and other stakeholders in the management of Secondary Education, through bodies like School Management Committees and Parent – Teacher Associations will be ensured in planning process, implementation, monitoring and evaluation.

In this regard, Uttarakhand has specific strategies in place. In terms of decentralising, the state government will appoint District Project Officers and 26 District Resource Persons in 13 districts to supervise and monitor RMSA indicators of progress and record needs and improvements in quality components. SMDC will monitor attendance of staff and students as well, besides involvement in civil and financial matters. The state will enhance the capacity of SCERT/DIET academic faculty in order that they can in turn enhance the training capacity of teacher educators at Block Centre in cascade mode. The linkage between School Education and SIEMAT will be strengthened. DIETs will be enhanced for the training of secondary education teachers and it will be the nodal agency for training at the district level.

Central Government operates four Centrally Sponsored Schemes i.e. (i) ICT@ schools for providing assistance to State Governments for computer education and computer aided education in secondary and higher secondary schools; (ii) Integrated Education for Disabled Children (IEDSS) for assisting State Governments and NGOs in mainstreaming the disabled children in school education; (iii) Strengthening of Boarding and Hostel facilities for Girl Students of Secondary and Higher Secondary Schools (Access and Equity) for providing assistance to NGOs to run Girls' Hostels in the rural areas; and (iv) Quality improvement in schools which included provision of assistance to State Governments for introduction of Yoga, for improvement of Science education in schools, for environment education and for population education in addition to supporting International Science Olympiads.

All these schemes, in the present or modified forms, will be subsumed in a new scheme and will include provision for earning while learning for financially weaker children by preparing them for self-employment or part-time employment.



## Educational Indicators

Goal	Indicators	Data Source
To make secondary education of good quality available, accessible and affordable to all adolescent girls and boys up to the age of 16 in Uttarakhand by 2020.	<p><b>1) Increase in the Enrolment</b></p> <ul style="list-style-type: none"> <li>Increase in the enrolment in secondary education of young people aged 14 to 15 years from</li> <li>3.26 lakhs in 2008 to 4.32 lakhs by 2012 after the intervention of 5% growth in GER. It will reach 5.59 lakhs by 2017.</li> </ul> <p><b>2) GER at Secondary Level</b></p> <ul style="list-style-type: none"> <li>GER at secondary will increase from 69.5% in 2009 to 84.98 % by 2012 after the intervention of 5% growth in GER. 100% by 2017.</li> </ul> <p><b>3) Enrolment share of Girls</b></p> <ul style="list-style-type: none"> <li>Enrolment shares of girls, SCs, STs and minorities in secondary classes increase in proportion to their share in the population in the state.</li> </ul> <p><b>4) Dropout rate at secondary level</b></p> <ul style="list-style-type: none"> <li>Dropout 10.45% Class IX–X for the year 2010-11.</li> </ul> <p><b>5) Transition rate</b></p> <ul style="list-style-type: none"> <li>Transition rate from Class VIII to IX 98.44% in 2010-11.</li> </ul> <p><b>6) Promotion rate to Class X</b></p> <ul style="list-style-type: none"> <li>Promotion rate from Class IX to X 77.86% in 2010-11.</li> </ul> <p><b>7) Learning levels</b></p> <ul style="list-style-type: none"> <li>Learning levels at Classes IX and X will be improved adequately and will be monitored regularly;</li> </ul>	All India School Education Survey; SEMIS; assessment data; Class X Examination data

Objectives	Indicators	Data Source
1. All secondary schools in the state conform to prescribed norms.	<p><b>(1) Facilities -</b></p> <ul style="list-style-type: none"> <li>All schools will have space and facilities according to prescribed norms of minimum quality standards, including one classroom for every 30 students; a laboratory and library; differently abled access; separate toilets for girls.</li> <li>Computer and other ICT facilities will be available in all secondary schools according to prescribed norms.</li> </ul>	SEMIS
2. Availability and access of secondary	<p><b>(2) Access -</b></p> <ul style="list-style-type: none"> <li>All habitations will have access to a</li> </ul>	SEMIS & DISE

<p>schooling to all adolescent girls and boys up to the age of 16 in Uttarakhand by 2020.</p>	<p>secondary school within a radius of 5 km except those in special circumstances.</p> <p><b>(i) UPS Upgradation -</b></p> <ul style="list-style-type: none"> <li>Up-gradation of 220 Upper Primary School by 2012 with 340 Upper Primary Schools by 2017 secondary classes.</li> </ul> <p><b>(ii) Expanded capacity -</b></p> <ul style="list-style-type: none"> <li>Expanded capacity for existing secondary schools with 1086 additional class rooms by 2011-12. 2994 additional class rooms by 2016-17.</li> </ul> <p><b>(iii) Transition rate from VIII to IX -</b></p> <ul style="list-style-type: none"> <li>Transition rate improves from 82.33% in 2007 to 95% by 2012 and 100% by 2017..</li> </ul> <p><b>(iv) Dropout rate -</b></p> <ul style="list-style-type: none"> <li>Dropout rate at secondary level reduces from 8.34% in 2008-09 to less than 1% by 2017.</li> </ul> <p><b>(v) Out of School Children -</b></p> <ul style="list-style-type: none"> <li>Number of out of school children of secondary school age (14-16) reduces to less than 5% of the age group by 2017.</li> </ul>	
<p>3. Equity through the removal of regional, gender, socio-economic and disability gaps.</p>	<p><b>(3) Equity -</b></p> <ul style="list-style-type: none"> <li>Disaggregated enrolment data for girls, SC, ST, Muslims and differently abled at the state and district level will be available.</li> </ul> <p><b>(i) Share of Disadvantaged groups in Enrolment-</b></p> <ul style="list-style-type: none"> <li>Share of girls 46%, SCs, STs, Muslims and differently abled in enrolment at secondary level will be increased in proportion to their share in the population at the state and district level.</li> </ul> <p><b>(ii) Means-cum-Merit Scholarships -</b></p> <ul style="list-style-type: none"> <li>Provision of means-cum-merit scholarships for specific disadvantaged groups according to schedule.-</li> </ul> <p><b>(iii) Incentives for Girls -</b></p> <ul style="list-style-type: none"> <li>Provision of incentives for 100% girls (especially from disadvantaged groups, SC, ST) to promote their</li> </ul>	<p>SEMIS &amp; DISE</p>

	participation in secondary education according to schedule.	
4. Education of good quality for all students	<p><b>4) Quality -</b></p> <ul style="list-style-type: none"> <li>About 176 additional teachers for upgraded upper primary schools by 2009-10 and about 2720 teachers will be recruited in secondary level and 2761 teachers will be recruited in higher secondary school to fill the shortage in the existing schools.</li> </ul> <p><b>(i) Trained Teachers -</b></p> <ul style="list-style-type: none"> <li>100% of teachers receiving in-service training will be improved against annual targets of 2010-11 and continued in every year till project period.</li> <li>DIETs, SIEMAT, SCERT will be strengthened to support secondary school teachers' professional development through the model schools/resource centres.</li> </ul> <p><b>(ii) Text Books -</b></p> <ul style="list-style-type: none"> <li>Availability of textbooks for all the enrolled children of secondary classes will be ensured.</li> </ul> <p><b>(iii) Teaching Learning Materials -</b></p> <ul style="list-style-type: none"> <li>Availability of teaching learning materials will be improved.</li> <li>NCF 2005 will be implemented.</li> </ul> <p><b>(iv) Others -</b></p> <ul style="list-style-type: none"> <li>Change in classroom practices as measured by time spent on task.</li> <li>Student attendance rates will be improved.</li> <li>Teacher attendance rates will be improved.</li> </ul> <p><b>(v) Supervision -</b></p> <ul style="list-style-type: none"> <li>Percentage of schools having functional management committees and village education committees with reporting role in school supervision will be improved.</li> </ul> <p><b>(vi) Learning levels -</b></p> <ul style="list-style-type: none"> <li>Learning levels of Class IX and X will be improved.</li> </ul>	SEMIS & DISE

## State Norms and RMSA Norms

The state norms with respect to universalisation of secondary education in Uttarakhand may be mostly in line with the national level RMSA norms. In some cases there are state specific norms which are different from that of the national level RMSA norms.

**Table 2.2 Norms of National and State**

	NATIONAL NORMS	STATE NORMS																																																																																																												
1. PHYSICAL INFRA STRUCTURE-NON-RECURRING	Classroom-pupil ratio:1:40 Minimum ratio:1:25 Classroom size as per state norm 1. Atleast two additional classroom should be built in one secondary school. 2. Atleast four additional class rooms, two sections each for class ix and x. 3. Should involve elements of community contribution. 4. Grants will be available only for those schools which have existing buildings of their own. 5. Cost of construction will include furniture, fixtures, fittings, circulation area (verandah) etc	A .Every secondary school should have class room pupil ratio 1:40 and minimum 1:30 B. Every secondary school should have the following: <b>Hill Area</b> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>No. of Units</th> <th>Room Size (Sq.Mtr.)</th> <th>Circulation Area (20% + Wall Area 15%) (In Sq. Mtr.)</th> <th>Total Plinth Area (Sq. Mtr.)</th> </tr> </thead> <tbody> <tr><td>1</td><td>Classroom</td><td>02/04</td><td>36</td><td>12.60</td><td>48.60</td></tr> <tr><td>2</td><td>Laboratory</td><td>01</td><td>54</td><td>18.90</td><td>72.90</td></tr> <tr><td>3</td><td>Principal Room</td><td>01</td><td>12</td><td>4.20</td><td>16.20</td></tr> <tr><td>4</td><td>Office and Staff Room</td><td>01</td><td>12</td><td>4.20</td><td>16.20</td></tr> <tr><td>5</td><td>Computer Lab</td><td>01</td><td>54</td><td>18.90</td><td>72.90</td></tr> <tr><td>6</td><td>Library</td><td>01</td><td>48</td><td>16.80</td><td>64.80</td></tr> <tr><td>7</td><td>Art and Craft Room</td><td>01</td><td>30</td><td>10.50</td><td>40.50</td></tr> <tr><td>8</td><td>Toilet Block</td><td>01</td><td></td><td>0.00</td><td>0.00</td></tr> </tbody> </table> <b>Plain Area</b> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>No. of Units</th> <th>Room Size (Sq. Meter)</th> <th>Circulation Area (20% + Wall Area 15%) (In Sq. Meter)</th> <th>Total Plinth Area (Sq. Meter)</th> </tr> </thead> <tbody> <tr><td>1</td><td>Classroom</td><td>02/04</td><td>48</td><td>16.80</td><td>64.80</td></tr> <tr><td>2</td><td>Laboratory</td><td>01</td><td>54</td><td>18.90</td><td>72.90</td></tr> <tr><td>3</td><td>Principal Room</td><td>01</td><td>12</td><td>4.20</td><td>16.20</td></tr> <tr><td>4</td><td>Office and Staff Room</td><td>01</td><td>12</td><td>4.20</td><td>16.20</td></tr> <tr><td>5</td><td>Computer Lab</td><td>01</td><td>54</td><td>18.90</td><td>72.90</td></tr> <tr><td>6</td><td>Library</td><td>01</td><td>48</td><td>16.80</td><td>64.80</td></tr> <tr><td>7</td><td>Art and Craft Room</td><td>01</td><td>30</td><td>10.50</td><td>40.50</td></tr> <tr><td>8</td><td>Toilet Block</td><td>01</td><td></td><td>0.00</td><td>0.00</td></tr> </tbody> </table>	S. No.	Particulars	No. of Units	Room Size (Sq.Mtr.)	Circulation Area (20% + Wall Area 15%) (In Sq. Mtr.)	Total Plinth Area (Sq. Mtr.)	1	Classroom	02/04	36	12.60	48.60	2	Laboratory	01	54	18.90	72.90	3	Principal Room	01	12	4.20	16.20	4	Office and Staff Room	01	12	4.20	16.20	5	Computer Lab	01	54	18.90	72.90	6	Library	01	48	16.80	64.80	7	Art and Craft Room	01	30	10.50	40.50	8	Toilet Block	01		0.00	0.00	S. No.	Particulars	No. of Units	Room Size (Sq. Meter)	Circulation Area (20% + Wall Area 15%) (In Sq. Meter)	Total Plinth Area (Sq. Meter)	1	Classroom	02/04	48	16.80	64.80	2	Laboratory	01	54	18.90	72.90	3	Principal Room	01	12	4.20	16.20	4	Office and Staff Room	01	12	4.20	16.20	5	Computer Lab	01	54	18.90	72.90	6	Library	01	48	16.80	64.80	7	Art and Craft Room	01	30	10.50	40.50	8	Toilet Block	01		0.00	0.00
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1.2 ADDITIONAL CLASSROOMS FOR EXISTING SCHOOLS	<p>1. Additional class rooms should be built in existing secondary school to maintain the classroom – pupil ratio 1:40</p> <p>2. Construction of additional classrooms should involve the elements of community contribution if possible</p> <p>3. Atleast two additional class rooms should be built at time</p> <p>4. Grants for additional classrooms will be available only for those schools which have existing buildings of their own</p>	<p>1. Additional class rooms should be built in existing secondary school to maintain the classroom –pupil ratio 1:40</p> <p>2. Construction of additional classrooms should involve the elements of community contribution.</p> <p>3. Atleast two additional class rooms should be built at a time.</p> <p>4. Grants for additional classrooms will be available only for those schools which have existing buildings of their own.</p>																																																																																																				
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1.4 LAB EQUIPMENTS	4.1 Science lab for secondary schools should have a necessary equipments (for Physics, Chemistry, Biology, Mathematics) to facilitate academic activities	Necessary equipment.																																																																																																				
1.5 PRINCIPAL ROOM	1. Every secondary school should have one room for principal.	<p>1. Every secondary school should have one room for principal.</p> <p>2. Room will also be used for staff meeting.</p>																																																																																																				

	<p>2. Room will also be used for staff meeting.</p> <p>3. Principal room size should be 57 sq.mt</p> <p>4. Grants for Principal room will be available only for those schools which have existing building of their own.</p> <p>5. Grants for principal room will also be available for New schools with their building budget</p>	<p>3. Principal room size should be 16.20 sq.mt</p> <p>4. Grants for principal room will be available for New schools and upgraded school with their building budget</p>
1.6 Office room	<p>1. Every secondary school should have one separate room for office and office staff</p> <p>2. Office room size should be 57 sq.mt</p> <p>3. Grants for Office room will be available only for those schools which have existing building of their own.</p> <p>4. Grants for Office room will also be available for New schools with their building budget</p>	<p>1. Every secondary school should have one separate room for office and office staff</p> <p>2. Office room size should be 16.20 sq.mt</p> <p>3. Only for those schools which have existing building of their own.</p> <p>4. Grants for Office room will also be available for New schools and upgraded schools with their building budget.</p>
1.7GIRLS ACTIVITY ROOM	<p>1. Every secondary school should have one separate Girls activity room</p> <p>2. Girls activity room sizes should be 57 sq.mt</p> <p>3. Grants for girls activity room will be available only for those schools which have existing building of their own.</p> <p>4. Grants for girls activity room will also be available for New schools with their building budget</p>	<p>1. Every secondary school should have one separate Girls activity room</p> <p>2. Girls activity room sizes should be 66 sq.mt</p> <p>3. Grants for girls activity room will be available only for those schools which have existing building of their own.</p> <p>4. Grants for girls activity room will also be available for New schools with their building budget.</p>
1.8 COMPUTER ROOM/ LABORATORY	<p>1. Every secondary school should have one room for Computer laboratory.</p> <p>2. Room will be used exclusively for learning purposes</p> <p>3. Computer lab room size should be 104 sq.mt</p> <p>4. Grants for computer lab will be available only for those schools which have existing building of their own.</p> <p>5. Grants for computer lab will also be available for New schools with their building budget .</p>	<p>1. Every secondary school should have one room for Computer laboratory.</p> <p>2. Room will be used exclusively for learning purposes</p> <p>3. Computer lab room size should be 73 sq.mt</p> <p>4. Grants for computer lab will be available only for those schools which have existing building of their own.</p> <p>5. Grants for computer lab will also be available for new schools with their building budget.</p> <p>6. Laboratory Room size should be 73 sq.mt.</p> <p>7. Grants for laboratory will be available for the existing schools.</p>
1.9 ART/ CRAFT/ CULTURAL ROOM	<p>1. Every secondary school should have one room for Art/craft.</p> <p>2. Room will be used for art/craft activities</p> <p>3. Art/craft room size should be 57 sq.mt</p> <p>4. Grants for art/craft room will be available only for those schools which have existing building of their own.</p> <p>5. Grants for art/craft will also be available for New schools with their building budget</p>	<p>1. Every secondary school should have one room for Art/craft.</p> <p>2. Room will be used for art/craft activities</p> <p>3. Art/craft room size should be 66 sq.mt</p> <p>4. Grants for art/craft room will be available only for those schools which have existing building of their own.</p> <p>5. Grants for art/craft will also be available for New schools with their building budget</p>

1.10. LIBRARY	<ol style="list-style-type: none"> <li>Every secondary school should have one room for library.</li> <li>Room should be used for reading and library purpose.</li> <li>Library room size should be 104 sq.mt</li> <li>Grants for Library will be available only for those schools which have existing building of their own.</li> <li>Grants for library will also be available for New schools with their building budget</li> </ol>	<ol style="list-style-type: none"> <li>Every secondary school should have one room for library.</li> <li>Room should be used for reading and library purpose.</li> <li>Library room size should be 65 sq.mt</li> <li>Grants for Library will be available only for those schools which have existing building of their own.</li> <li>Grants for library will also be available for New schools with their building budget</li> </ol>						
1.11 TOILET BLOCK	<ol style="list-style-type: none"> <li>Every secondary school should have toilet blocks for Boys and Girls separately. They should be suitable for the physically challenged.</li> <li>Separate toilet block available for male and female teachers</li> </ol>	<ol style="list-style-type: none"> <li>One toilet cluster for every 200 children .The unit cost of toilet cluster as per PWD norms are detailed below: <table border="1"> <thead> <tr> <th>Component</th> <th>Plain (Lakhs)</th> <th>Hilly (Lakhs)</th> </tr> </thead> <tbody> <tr> <td>Toilet cluster</td> <td>2.25</td> <td>2.75</td> </tr> </tbody> </table> </li> </ol>	Component	Plain (Lakhs)	Hilly (Lakhs)	Toilet cluster	2.25	2.75
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1.12 DRINKING WATER FACILITY	<ol style="list-style-type: none"> <li>Every school should have drinking water facility adequately.</li> <li>Proper drainage system should be there in every secondary school</li> </ol>	<ol style="list-style-type: none"> <li>One Sintex tank with water tap for every 200 children. The unit cost of the water tank with one OHT as per PWD norms are detailed below:</li> </ol>						
1.13 FURNITURE AND FIXTURES	<ol style="list-style-type: none"> <li>Furniture for class room</li> <li>Existing furniture to be repaired</li> <li>In case of condemnation, or due to deficiency, purchase of furniture for the following ,subject to the ceiling of Rs.1.00 lakh per school</li> <li>Furniture for Principal room, office room and teacher staff room.</li> <li>Luxury items should not be purchased.</li> <li>Purchases if any will be done through state owned small scale industries.</li> </ol>	<ol style="list-style-type: none"> <li>Furniture for class room</li> <li>Existing furniture to be repaired</li> <li>In case of condemnation, or due to deficiency, purchase of furniture for the following ,subject to the ceiling of Rs.1.00 lakh per school</li> <li>Furniture for Principal room office room and teacher staff room.</li> <li>Luxury items should not be purchased.</li> <li>Purchases if any will be done through state Govt. Procurement Act.</li> <li>SMDC will be fully responsible for purchase of furniture and fixtures at school level.</li> </ol>						
1.14 DEVELOPMENT OF PLAY GROUND	<ol style="list-style-type: none"> <li>Cost for development of play ground will not exceed Rs.20,000/- per school</li> <li>Schools not having playground will use play ground in neighborhood schools or the community play ground</li> <li>Community PRIs, MP, MLA development fund can also be mobilized for the development and maintenance. Ministry of youth affairs and sports will also be approached.</li> </ol>	<ol style="list-style-type: none"> <li>Cost for development of play ground will not exceed Rs.20,000/- per school</li> <li>Schools not having playground will use play ground in neighborhood schools or the community play ground</li> <li>Community PRIs, MP, MLA development fund can also be mobilized for the development and maintenance. Ministry of youth affairs and sports will also be approached.</li> </ol>						
1.15 BOUNDARY WALL	<ol style="list-style-type: none"> <li>Boundary wall will be constructed, if not already constructed.</li> <li>Community, PRI's, MP's, MLA's development funds can be utilized for maintenance and construction of boundary wall</li> <li>Department of Environment and forests will be approached to develop social forestry in the schools.</li> </ol>	<ol style="list-style-type: none"> <li>Boundary wall will be constructed, if not already constructed.</li> <li>Community, PRI's, MP's, MLA's development funds can be utilized for maintenance and construction of boundary wall.</li> <li>Department of Environment and forests will be approached to develop social forestry in the schools.</li> </ol> <p>PWD norms for conventional compound wall / running meter.</p> <table border="1"> <thead> <tr> <th>Component</th> <th>Plain (Lakhs)</th> <th>Hilly (Lakhs)</th> </tr> </thead> <tbody> <tr> <td>Compound wall</td> <td>0.025</td> <td>0.040</td> </tr> </tbody> </table>	Component	Plain (Lakhs)	Hilly (Lakhs)	Compound wall	0.025	0.040
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1.16 Repairing and	1. Repairing and renovations	1. Repairing and renovations will primarily be undertaken						

Renovations-Major and Minor	<p>will primarily be undertaken through community participation.</p> <p>2. On the basis of approved estimate by the department following grants may be considered under special circumstances:</p> <p>3. Major repairing: One time total amount of expenditure should not exceed Rs.2.00 lakh per school in case of two sections in school and Rs.4.00lakh per school in case of four sections in school</p> <p>Minor repairing:-Total amount of expenditure should not exceed Rs.50,000 in a year.</p> <p>Following repair works can be undertaken school building, toilets, tanks, play ground, campus, conservancy services, electrical fittings, Sanitary and other fittings furniture and fixtures</p> <p>4. Expenditure on repair and maintenance of building would not be included for calculating civil works.</p> <p>5. Grants will be available for schools which have existing buildings of their own</p>	<p>through community participation.</p> <p>2. On the basis of approved estimate by the department following grants may be considered under special circumstances:</p> <p>3. Major repairing: One time total amount of expenditure should not exceed Rs.2.00 lakh per school in case of two sections in school and Rs.4.00lakh per school in case of four sections in school.</p> <p>4. School specific estimates should be prepared and actual cost will be measured than after.</p> <p>5. SMDC will do all kind of major repair works.</p> <p><b>Minor repairing:-</b>Total amount of expenditure should not exceed Rs.50,000 in a year.</p> <p>Following repair works can be undertaken school building, toilets, tanks, play ground, campus, conservancy services, electrical fittings, Sanitary and other fittings furniture and fixtures</p> <p>6. Expenditure on repair and maintenance of building would not be included for calculating civil works.</p> <p>5.Grants will be available for schools which have existing buildings of their own</p>
1.17 Repair/ replacement of laboratory Equipments, purchase of lab consumable article	<p>1. Fund will be available for science lab</p> <p>2. Replacement and repairing of laboratory equipments.</p> <p>3. Purchase of consumables, chemicals.</p> <p>4. Upkeep of laboratories</p> <p>5. Any other lab activity relating to science and mathematics Annual grant of Rs. 25,000/- per school per annum or as per actual requirements.</p>	<p>1. Fund will be available for science lab</p> <p>2. Replacement and repairing of laboratory equipments.</p> <p>3. Purchase of consumables, chemicals.</p> <p>4. Upkeep of laboratories</p> <p>5. Any other lab activity relating to science and mathematics Annual grant of Rs. 25,000/- per school per annum or as per actual requirements.</p> <p>6. Purchase and repair of lab equipments and consumable article will be done by SMDC at school level.</p>
1.18 Purchase of books, periodicals, news papers etc.	<p>1. Purchase of books with due reference to the lists of books recommended by the Department and SCERT</p> <p>2. Rs. 10,000 per annum or the actual expenditure whichever is less</p> <p>3. Text books and reference books for teachers should also be included.</p> <p>4. One time grant for purchase of books is Rs. 1.00 lakh in case of newly upgraded school or those school which do not have library.</p>	<p>1. Purchase of books with due reference to the lists of books recommended by the Department</p> <p>2. Rs.10,000 per annum or the actual expenditure whichever is less</p> <p>3. Text books and reference books for teachers should also be included.</p> <p>4. One time grant for purchase of books is Rs. 1.00 lakh in case of newly upgraded school or those schools which do not have library.</p> <p>5. SRG will be prepared a list of books.</p> <p>6. Procurement will be done by SMDC.</p>
1.19 STUDY TOURS/ EXCURSION TRIPS	<p>1. State Govt./community/parents/private sector may sponsor or contribute</p> <p>2. Study tours will be organized by the schools every year.</p> <p>3. All the willing students will be allowed to participate</p> <p>4. Adequate measures for safety and security of the students, especially girls will be made.</p> <p>5. An amount of Rs.5000/-</p>	<p>1. State Govt./community/parents/private sector may sponsor or contribute</p> <p>2. Study tours will be organized by the schools every year.</p> <p>3. All the willing students will be allowed to participate</p> <p>4. Adequate measures for safety and security of the students, especially girls will be made.</p> <p>5. An amount of Rs. 5000/- may be allocated for the purpose.</p>



	may be allocated for the purpose.	
1.20 SCHOOL ANNUAL GRANTS RECURRING COST	<p><b>1.1 SPORTS:</b> 1. Sports equipments, uniforms etc., 2. Music/dance/cultural activity 3. Painting. Grants of Rs. 5000/- will be allocated for the purpose.</p> <p><b>1.2. TEACHING AIDS:-</b> 1. Equipments for teaching geography, elective subjects Drawing equipments and painting materials. 2. Maps, charts, Grants of Rs. 2000/- per teacher per annum 3. To meet petty and contingent expenditure for organizing meetings, conveyance, stationeries grants of Rs.5000/- per annum 4. Water, electricity charges, telephone charges, internet charges/ other grant and taxes 5. Grant of Rs.20,000/- per annum or actual expenditure, whichever is less to meet water and electricity charges. 6. petty repairs and maintenance –Grant for Rs.5000/- per annum 7. Other expenditure-Grant of Rs. 5000/- should be given to each school 8. community/PRI/ Private sector may also to contribute</p>	<p><b>1.1 SPORTS:</b> 1. Sports equipments, uniforms etc., 2. Music/ dance/ cultural activity 3. Painting. Grants of Rs. 5000/- will be allocated for the purpose.</p> <p><b>1.2. TEACHING AIDS:-</b> 1. Equipments for teaching geography, elective subjects Drawing equipments and painting materials. 2. Maps, charts, Grants of Rs.2000/- per teacher per annum 3. To meet petty and contingent expenditure for organizing meetings, conveyance, stationeries grants of Rs.5000/- per annum 4. Water, electricity charges, telephone charges, internet charges/ other grant and taxes 5. Grant of Rs.15,000/- per annum or actual expenditure, whichever is less to meet water and electricity charges. 6. petty repairs and maintenance –Grant for Rs.5000/- per annum 7. Other expenditure-Grant of Rs. 5000/- should be given to each school 8. community/PRI/ Private sector may also to contribute</p>
1.21 TEACHERS, STAFFS AND LAB ATTENDANTS	<p><b>TEACHER</b> 1. Every school should have atleast one subject teacher for each subject, two language teachers, one each for mathematics, physical science, biological science, social studies, computer science. 2. Every school should have one physical education and music and craft teacher 3. Every secondary school should have a minimum of 7 subject teachers and two special teachers 4. Every teacher appointed should possess minimum graduation and a B.Ed. for teaching 5. Every school should maintain PTR of 30:1 or less Teacher will be employed by the society implementing RMSA</p> <p><b>LAB ATTENDANT:</b> 1. One lab attendant should be employed by the society implementing RMSA.</p> <p><b>OFFICE ASSISTANT:</b> 1. Every secondary school should have one clerk (ASSISTANT GRADE III) and one peon for office works.</p>	<p><b>TEACHER</b> 1. Every Secondary School should have atleast one head master, one subject teacher for each subject, two language teacher, one each for mathematics, physical science, biological science, social studies, 2. Every school should have one physical education and one teacher music/Drawing/craft/computer teacher. 3. Every secondary school should have a minimum of 7 subject teachers. 4. Every teacher appointed should possess minimum graduation and a B.Ed. for teaching. 5. Every school should maintain PTR of 40:1 or less Teacher will be employed by the society implementing RMSA.</p> <p><b>LAB ATTENDANT:</b> 1. One lab attendant should be employed by the society implementing RMSA.</p> <p><b>OFFICE ASSISTANT/LIBRARIAN:</b> 1. Every secondary school should have one clerk (ASSISTANT GRADE III) and one peon for office works.</p>

	<p><b>WATCHMAN:</b> Every secondary school should have one night watchman may be appointed by community/ PRI/parent teacher Association.</p>	<p><b>WATCHMAN:</b> Every secondary school should have one night watchman. <b>PEON:</b> Every Secondary School should have one Forth Class/Peon.</p>
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## Chapter III

### Status of Secondary Education in Uttarakhand

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This chapter presents the analysis of the status of secondary education in Uttarakhand to assess the starting points for RMSA in the state and identify the main issues for policy and practice.

#### Data sources and limitations

The status report on secondary education in the state of Uttarakhand used the data source from the Census of India, Statistical Abstract of Uttarakhand, Selected Educational Statistics (SES) of Uttarakhand, and data collected through the data capture formats of Secondary Education Management Information System (SEMIS) and DISE.

In 2007, when MHRD was fine tuning RMSA, the National University of Educational Planning and Administration (NUEPA) was roped in to create a Sarva Shiksha Abhiyan (SSA) like monitoring system wherein the District Information on School Education (DISE) is instrumental. The NUEPA first developed a software viz., Secondary Education Management Information System (SEMIS) to prepare a baseline status report so that the planning for secondary education could be made at district level onwards. The SEMIS database while mapping secondary schools, it is having profile of schools, enrolment figures, teachers profile and infrastructure related information.

#### Population

According to the Census 2011, the size of the state population was about 101.16 lakhs.

**Table 3.1 Population and Growth Rate**  
(Figures in lakhs)

<b>Year</b>	<b>Population</b>	<b>Growth</b>	<b>Growth Rate</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>1981</b>	57.72	-	-
<b>1991</b>	71.27	13.55	23.48
<b>2001</b>	84.89	13.61	19.20
<b>2011</b>	101.16	16.27	19.17

Table 1.2 indicates the population figure at a glance this shows that there are 963 females per 1000 male according to Census 2011. The female share in the total population of the state is about 49.05 percent. Table 1.2 shows that density of population is 189 per sq.km according to Census 2011. Population density in the 13 district of the State varies from a high of 817 per sq.km in Haridwar to a low of 41 per sq.km. in district Uttarkashi. The population is sparsely populated

in hilly area and densely populated in plain areas. In terms of urbanization, about 30.91 lakhs consisting of 30.55 percent of the total population in the state are located in urban localities. The decadal population growth rate of population is 19.17% between 2001 and 2011. The geographical area of the state is about 53,483 sq.km.

**Table 3.2 Status of Educational Institutions in Uttarakhand  
No. of Primary and Upper Primary Schools**

S. No.	Type Of School	No. of Schools		
		Primary School/Sections	Upper Primary School/Sections	Primary with Upper Primary
1	Governments	12511	2948	9
2	Govt. Aided	6	212	6
3	Un Aided	2911	661	769
	<b>Total</b>	<b>15428</b>	<b>3821</b>	<b>784</b>

*Source: SSA, DISE Data 2011-12*

**Table 3.3 District wise Secondary and Hr./Sr. Secondary Schools  
by School Category**

S. No.	District	Secondary	Higher Secondary	Degree College (With +2 Classes)	Post Graduate College (With +2+3 Classes)	Total
1	Almora	109	167	0	0	276
2	Bageshwar	47	51	1	0	99
3	Chamoli	96	105	1	3	205
4	Champawat	46	47	1	0	94
5	Dehradun	129	232	2	0	363
6	Haridwar	75	115	0	0	190
7	Nainital	101	149	0	0	250
8	Pauri	150	240	2	1	393
9	Pithoragarh	84	115	0	0	199
10	Rudraprayag	49	77	0	0	126
11	Tehri	100	160	0	1	261
12	U.S. Nagar	102	138	0	1	241
13	Uttarkashi	48	67	0	2	117
	<b>Total</b>	<b>1136</b>	<b>1663</b>	<b>7</b>	<b>8</b>	<b>2814</b>

*Source: SEMIS - 2010-11*

**Table 3.4**  
**District-wise Secondary and Hr./Sr. Secondary Schools by Funding**

S. No.	District	State Govt.		Local Body	Central Govt.	Private Aided	Private Un-aided	Un-aided (Sec./Hr.Sec Section)	Total
		Dept. of Education	Tribal/Social Welfare Dept.						
1	Almora	213	0	1	3	36	19	4	276
2	Bageshwar	71	0	0	2	16	10	0	99
3	Chamoli	159	1	0	4	18	19	4	205
4	Champawat	71	0	0	4	4	12	3	94
5	Dehradun	140	4	0	11	58	150	0	363
6	Haridwar	53	0	0	4	35	95	3	190
7	Nainital	161	0	0	3	23	53	10	250
8	Pauri	279	0	1	3	74	29	7	393
9	Pithoragarh	156	3	0	4	9	27	0	199
10	Rudraprayag	92	0	0	2	16	16	0	126
11	Tehri	223	0	0	0	12	26	0	261
12	U.S. Nagar	92	4	0	2	25	118	0	241
13	Uttarkashi	97	0	0	3	3	14	0	117
<b>Total</b>		<b>1807</b>	<b>12</b>	<b>2</b>	<b>45</b>	<b>329</b>	<b>588</b>	<b>31</b>	<b>2814</b>

*Source: SEMIS - 2010-11*

**Table 3.5**  
**Total Enrolment Status at Elementary Level Year 2010-11**

Age	Total Population			School Going			Out of School		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
6-11 Age	590702	533085	1123787	588001	530931	1118932	2701	2154	4855
11-14 Age	320610	298958	619568	318879	297373	616252	1731	1582	3313
<b>Total</b>	<b>911312</b>	<b>832043</b>	<b>1743355</b>	<b>906880</b>	<b>828304</b>	<b>1735184</b>	<b>4432</b>	<b>3736</b>	<b>8168</b>

*Source: SSA, Basic Education Data 2010-11.*

**Table 3.6**  
**Total Enrolment Status at Elementary Level (Class 1 to 8) Year 2010-2011**

SN	Level	Enrollment		
		Boys	Girls	Total
1	Primary (Class 1 to 5)	567181	717079	1084260
2	Upper Primary (Class 6 to 8)	285093	269139	554232
<b>Total (Class 1 to 8)</b>		<b>852274</b>	<b>986218</b>	<b>1638492</b>

*Source: SSA, Basic Education Data 2010-11.*

**Table 3.7 GER, NER, Co hart Drop Out and Overall Repetition at Elementary Level**

S.N.	Indicators	Primary	Upper Primary
1	Gross Enrollment Ratio (GER)	99.00	87.99
2	Net Enrollment Ratio (NER)	79.81	64.45
3	Dropout Rate	12.84	NA
4	Retention Rate	94.94	93.21
5	Transition Rate (Primary to Upper Primary)	94.58	
6	Gender Parity Index (GPI)	0.90	0.94

*Source: SSA, Basic Education Data 2010-11.*

**Table 3.8 Total Enrolment Status at Secondary Level (Class IX to X) Year 2009-10 & 2010-11**

SN	District	Enrolment in Classes IX-X in 2009-10			Enrolment in Classes IX-X in 2010-11		
		Boys	Girls	Total	Boys	Girls	Total
1	Almora	15087	13599	28686	15052	13968	29020
2	Bageshwar	6034	5114	11148	5999	5594	11593
3	Chamoli	9350	8090	17440	9895	8367	18262
4	Champawat	5448	4270	9718	5834	4832	10666
5	Dehradun	24398	21391	45789	26045	22877	48922
6	Haridwar	24695	19074	43769	27273	21273	48546
7	Nainital	18366	15264	33630	19199	16450	35649
8	Pauri	14840	13582	28422	16865	14978	31843
9	Pithoragarh	11742	9510	21252	12115	10498	22613
10	Rudraprayag	5848	5055	10903	6356	5270	11626
11	Tehri Garhwal	13290	12211	25501	13574	13537	27111
12	U.S. Nagar	27310	22445	49755	30045	24535	54580
13	Uttarkashi	7314	6673	13987	7446	7006	14452
<b>Total</b>		<b>183722</b>	<b>156278</b>	<b>340000</b>	<b>195698</b>	<b>169185</b>	<b>364883</b>
<b>State Govt.</b>		<b>94867</b>	<b>96426</b>	<b>191293</b>	<b>98215</b>	<b>103238</b>	<b>201453</b>

*Source: Data collected through Data Capture Format 2009-10 & 2010-11.*

**Table 3.9 Total Enrollment Status at Hr. Sr. Secondary Level (Class XI to XII) Year 2009-10 & 2010-11**

SN	District	Enrolment in Classes XI-XII in 2009-10			Enrolment in Classes XI-XII in 2010-11		
		Boys	Girls	Total	Boys	Girls	Total
1	Almora	10118	8436	18554	11379	9921	21300
2	Bageshwar	4237	3283	7520	4572	3616	8188
3	Chamoli	6768	5942	12710	7198	6126	13324
4	Champawat	3224	2547	5771	3517	2870	6387
5	Dehradun	17557	16777	34334	21697	19849	41546
6	Haridwar	12906	8897	21803	18477	13968	32445
7	Nainital	12383	10934	23317	13065	12747	25812
8	Pauri	10300	9262	19562	14078	12631	26709
9	Pithoragarh	7903	6669	14572	9271	7473	16744
10	Rudraprayag	4122	3683	7805	4575	4156	8731
11	Tehri Garhwal	8171	7752	15923	10009	10009	20018
12	US Nagar	17136	15089	32225	19085	16323	35408
13	Uttarkashi	4230	3345	7575	5839	4693	10532
<b>STATE</b>		<b>119055</b>	<b>102616</b>	<b>221671</b>	<b>142762</b>	<b>124382</b>	<b>267144</b>
<b>State Govt.</b>		<b>63460</b>	<b>62956</b>	<b>126416</b>	<b>70322</b>	<b>72531</b>	<b>142853</b>

*Source: Data collected through Data Capture Format 2009-11 & 2010-11.*

## Size of the Secondary School-Age Population

In Uttarakhand the size of the secondary school (including higher secondary) age population particularly that of 14 to 17 year age, is about 7.72 lakhs consisting of 9.19 percent of the total population in the state in 2001 (Census 2001). The RGI projections indicate that the size of the 14-17 age group population would increase to 8.51 lakhs in 2006, 9.05 lakhs in 2009 and to 9.62 lakhs in 2012. Thereafter, by 2016, the sizes of the 14-17 age group population will 10.45 lakhs. For the secondary school age group (14-15) and higher secondary school age group (16-17), the population size was 4.13 lakhs and 3.60 lakhs respectively in 2001. The projected size would be 4.54 and 3.97 lakhs in 2006 and will increase to 5.14 and 4.48 lakhs for the respective age groups in 2012 with annual average growth rate of 1.92% for both groups.

**Table 3.10 Projected Population of 14-17 age group in Uttarakhand**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Boys	399024	406821	414787	422926	431242	439739	448421	458978	468406	478067	487967	498112	508510	519166	530088	541282	552757
Girls	373602	380797	388146	395654	403323	411158	419162	428388	436996	445814	454849	464106	473592	483311	493270	503477	513936
<b>Total</b>	<b>772626</b>	<b>787618</b>	<b>802934</b>	<b>818580</b>	<b>834565</b>	<b>850897</b>	<b>867582</b>	<b>887366</b>	<b>905402</b>	<b>923881</b>	<b>942816</b>	<b>962219</b>	<b>982101</b>	<b>1002477</b>	<b>1023358</b>	<b>1044759</b>	<b>1066692</b>

**Table 3.11 DISTRICT-WISE (YEAR-WISE) TOTAL CHILD POPULATION (Age 14 & 15)**

S N	District	A.G. Rate	Year-wise																	
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
1	Almora	0.314	B	16800	16857	16915	16972	17030	17088	17147	17205	17264	17323	17382	17441	17500	17560	17620	17680	17740
			G	17221	17280	17339	17398	17457	17517	17576	17636	17696	17757	17817	17878	17939	18000	18062	18123	18185
			<b>T</b>	<b>34021</b>	<b>34137</b>	<b>34253</b>	<b>34370</b>	<b>34487</b>	<b>34605</b>	<b>34723</b>	<b>34841</b>	<b>34960</b>	<b>35079</b>	<b>35199</b>	<b>35319</b>	<b>35440</b>	<b>35560</b>	<b>35682</b>	<b>35803</b>	<b>35925</b>
2	Bageshwar	1.756	B	5983	6088	6195	6304	6414	6527	6642	6758	6877	6998	7121	7246	7373	7502	7634	7768	7905
			G	5939	6043	6149	6257	6367	6479	6593	6709	6826	6946	7068	7192	7319	7447	7578	7711	7846
			<b>T</b>	<b>11922</b>	<b>12131</b>	<b>12344</b>	<b>12561</b>	<b>12782</b>	<b>13006</b>	<b>13235</b>	<b>13467</b>	<b>13703</b>	<b>13944</b>	<b>14189</b>	<b>14438</b>	<b>14692</b>	<b>14950</b>	<b>15212</b>	<b>15479</b>	<b>15751</b>
3	Chamoli	1.351	B	9586	9716	9847	9980	10115	10251	10390	10530	10672	10817	10963	11111	11261	11413	11567	11724	11882
			G	9212	9336	9463	9590	9720	9851	9984	10119	10256	10395	10535	10677	10822	10968	11116	11266	11418
			<b>T</b>	<b>18798</b>	<b>19052</b>	<b>19309</b>	<b>19570</b>	<b>19835</b>	<b>20103</b>	<b>20374</b>	<b>20649</b>	<b>20928</b>	<b>21211</b>	<b>21498</b>	<b>21788</b>	<b>22082</b>	<b>22381</b>	<b>22683</b>	<b>22990</b>	<b>23300</b>
4	Champawat	0.921	B	5604	5656	5708	5760	5813	5867	5921	5975	6030	6086	6142	6199	6256	6313	6371	6430	6489
			G	5110	5157	5205	5252	5301	5350	5399	5449	5499	5550	5601	5652	5704	5757	5810	5863	5917
			<b>T</b>	<b>10714</b>	<b>10813</b>	<b>10912</b>	<b>11013</b>	<b>11114</b>	<b>11217</b>	<b>11320</b>	<b>11424</b>	<b>11529</b>	<b>11636</b>	<b>11743</b>	<b>11851</b>	<b>11960</b>	<b>12070</b>	<b>12181</b>	<b>12293</b>	<b>12407</b>
5	Dehradun	2.471	B	31438	32215	33011	33827	34662	35519	36397	37296	38218	39162	40130	41121	42137	43179	44245	45339	46459
			G	28244	28942	29657	30390	31141	31910	32699	33507	34335	35183	36053	36943	37856	38792	39750	40732	41739
			<b>T</b>	<b>59682</b>	<b>61157</b>	<b>62668</b>	<b>64216</b>	<b>65803</b>	<b>67429</b>	<b>69095</b>	<b>70803</b>	<b>72552</b>	<b>74345</b>	<b>76182</b>	<b>78065</b>	<b>79994</b>	<b>81970</b>	<b>83996</b>	<b>86071</b>	<b>88198</b>
6	Haridwar	2.63	B	35636	36573	37535	38522	39535	40575	41642	42738	43862	45015	46199	47414	48661	49941	51254	52602	53986
			G	32277	33126	33997	34891	35809	36751	37717	38709	39727	40772	41844	42945	44074	45233	46423	47644	48897
			<b>T</b>	<b>67913</b>	<b>69699</b>	<b>71532</b>	<b>73413</b>	<b>75344</b>	<b>77326</b>	<b>79359</b>	<b>81447</b>	<b>83589</b>	<b>85787</b>	<b>88043</b>	<b>90359</b>	<b>92735</b>	<b>95174</b>	<b>97677</b>	<b>100246</b>	<b>102883</b>
7	Nainital	3.288	B	19290	19924	20579	21256	21955	22677	23422	24193	24988	25810	26658	27535	28440	29375	30341	31339	32369
			G	17631	18211	18809	19428	20067	20727	21408	22112	22839	23590	24366	25167	25994	26849	27732	28643	29585
			<b>T</b>	<b>36921</b>	<b>38135</b>	<b>39389</b>	<b>40684</b>	<b>42022</b>	<b>43403</b>	<b>44830</b>	<b>46304</b>	<b>47827</b>	<b>49399</b>	<b>51024</b>	<b>52701</b>	<b>54434</b>	<b>56224</b>	<b>58073</b>	<b>59982</b>	<b>61954</b>
8	Pauri	0.387	B	17572	17640	17708	17777	17846	17915	17984	18054	18123	18194	18264	18335	18406	18477	18548	18620	18692

			G	17399	17466	17534	17602	17670	17738	17807	17876	17945	18014	18084	18154	18224	18295	18366	18437	18508
			T	<b>34971</b>	<b>35106</b>	<b>35242</b>	<b>35379</b>	<b>35516</b>	<b>35653</b>	<b>35791</b>	<b>35929</b>	<b>36068</b>	<b>36208</b>	<b>36348</b>	<b>36489</b>	<b>36630</b>	<b>36772</b>	<b>36914</b>	<b>37057</b>	<b>37200</b>
9	Pithoragarh	1.092	B	11453	11578	11704	11832	11962	12092	12224	12358	12493	12629	12767	12906	13047	13190	13334	13479	13627
			G	10633	10749	10866	10985	11105	11226	11349	11473	11598	11725	11853	11982	12113	12245	12379	12514	12651
			T	<b>22086</b>	<b>22327</b>	<b>22571</b>	<b>22817</b>	<b>23067</b>	<b>23319</b>	<b>23573</b>	<b>23831</b>	<b>24091</b>	<b>24354</b>	<b>24620</b>	<b>24889</b>	<b>25160</b>	<b>25435</b>	<b>25713</b>	<b>25994</b>	<b>26278</b>
10	Rudraprayag	1.344	B	5646	5722	5799	5877	5956	6036	6117	6199	6282	6367	6452	6539	6627	6716	6806	6898	6991
			G	5687	5763	5841	5919	5999	6080	6161	6244	6328	6413	6499	6587	6675	6765	6856	6948	7041
			T	<b>11333</b>	<b>11485</b>	<b>11640</b>	<b>11796</b>	<b>11955</b>	<b>12115</b>	<b>12278</b>	<b>12443</b>	<b>12610</b>	<b>12780</b>	<b>12952</b>	<b>13126</b>	<b>13302</b>	<b>13481</b>	<b>13662</b>	<b>13846</b>	<b>14032</b>
11	Tehri Garhwal	1.615	B	15271	15518	15768	16023	16282	16545	16812	17083	17359	17640	17924	18214	18508	18807	19111	19419	19733
			G	14827	15066	15310	15557	15808	16064	16323	16587	16854	17127	17403	17684	17970	18260	18555	18855	19159
			T	<b>30098</b>	<b>30584</b>	<b>31078</b>	<b>31580</b>	<b>32090</b>	<b>32608</b>	<b>33135</b>	<b>33670</b>	<b>34214</b>	<b>34766</b>	<b>35328</b>	<b>35898</b>	<b>36478</b>	<b>37067</b>	<b>37666</b>	<b>38274</b>	<b>38892</b>
12	US Nagar	2.779	B	31726	32608	33514	34445	35402	36386	37397	38437	39505	40603	41731	42891	44083	45308	46567	47861	49191
			G	29057	29864	30694	31547	32424	33325	34251	35203	36181	37187	38220	39282	40374	41496	42649	43835	45053
			T	<b>60783</b>	<b>62472</b>	<b>64208</b>	<b>65993</b>	<b>67827</b>	<b>69711</b>	<b>71649</b>	<b>73640</b>	<b>75686</b>	<b>77790</b>	<b>79951</b>	<b>82173</b>	<b>84457</b>	<b>86804</b>	<b>89216</b>	<b>91695</b>	<b>94244</b>
13	Uttarkashi	2.272	B	7166	7329	7495	7666	7840	8018	8200	8386	8577	8772	8971	9175	9383	9597	9815	10038	10266
			G	6406	6552	6700	6853	7008	7168	7330	7497	7667	7841	8020	8202	8388	8579	8774	8973	9177
			T	<b>13572</b>	<b>13880</b>	<b>14196</b>	<b>14518</b>	<b>14848</b>	<b>15185</b>	<b>15530</b>	<b>15883</b>	<b>16244</b>	<b>16613</b>	<b>16991</b>	<b>17377</b>	<b>17772</b>	<b>18175</b>	<b>18588</b>	<b>19011</b>	<b>19442</b>
TOTAL STATE	1.92	B	213171	217264	221435	225687	230020	234436	238938	243512	250250	255413	260704	266126	271682	277377	283214	289197	295329	
		G	199643	203476	207383	211365	215423	219559	223774	229120	233753	238500	243363	248347	253453	258686	264049	269545	275178	
		T	<b>412814</b>	<b>420740</b>	<b>428818</b>	<b>437052</b>	<b>445443</b>	<b>453995</b>	<b>462712</b>	<b>474332</b>	<b>484003</b>	<b>493913</b>	<b>504067</b>	<b>514472</b>	<b>525136</b>	<b>536064</b>	<b>547263</b>	<b>558742</b>	<b>570507</b>	

Source : RGI

Note : Projection are as on 1<sup>st</sup> March 2010 on Annual Growth Rate

The above table depicts that in district U.S. Nagar the annual average growth rate is high i.e. 2.78 and in district Almora the annual average growth rate is lowest i.e. 0.31 between year 1991 to 2001. In 2001 the population of 14-15 age group children is 0.68 lakhs in district Haridwar, which is highest between all the 13 districts and 0.11 lakhs in district Champawat which is lowest between all the 13 districts of Uttarakhand.

**Table 3.12 DISTRICT-WISE (YEAR-WISE) TOTAL CHILD POPULATION (Age 16 & 17)**

S N	District	A.G. Rate		Year-wise																
				2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1	Almora	0.314	B	13590	13636	13683	13730	13776	13823	13870	13918	13965	14013	14061	14109	14157	14205	14253	14302	14351
			G	14889	14940	14991	15042	15093	15145	15196	15248	15300	15352	15405	15457	15510	15563	15616	15669	15722
			T	<b>28479</b>	<b>28576</b>	<b>28674</b>	<b>28771</b>	<b>28869</b>	<b>28968</b>	<b>29067</b>	<b>29166</b>	<b>29265</b>	<b>29365</b>	<b>29465</b>	<b>29566</b>	<b>29666</b>	<b>29768</b>	<b>29869</b>	<b>29971</b>	<b>30073</b>
2	Bageshwar	1.756	B	5111	5201	5292	5385	5480	5576	5674	5773	5875	5978	6083	6190	6298	6409	6521	6636	6753
			G	5117	5207	5298	5391	5486	5582	5680	5780	5882	5985	6090	6197	6306	6416	6529	6644	6760
			T	<b>10228</b>	<b>10408</b>	<b>10590</b>	<b>10776</b>	<b>10966</b>	<b>11158</b>	<b>11354</b>	<b>11553</b>	<b>11756</b>	<b>11963</b>	<b>12173</b>	<b>12387</b>	<b>12604</b>	<b>12825</b>	<b>13051</b>	<b>13280</b>	<b>13513</b>
3	Chamoli	1.351	B	8525	8640	8757	8875	8995	9117	9240	9365	9491	9619	9749	9881	10015	10150	10287	10426	10567
			G	8702	8820	8939	9059	9182	9306	9432	9559	9688	9819	9952	10086	10222	10361	10501	10642	10786
			T	<b>17227</b>	<b>17460</b>	<b>17696</b>	<b>17935</b>	<b>18177</b>	<b>18423</b>	<b>18671</b>	<b>18924</b>	<b>19179</b>	<b>19438</b>	<b>19701</b>	<b>19967</b>	<b>20237</b>	<b>20510</b>	<b>20787</b>	<b>21068</b>	<b>21353</b>
4	Champawat	0.921	B	4423	4464	4505	4546	4588	4630	4673	4716	4760	4803	4848	4892	4937	4983	5029	5075	5122
			G	4284	4323	4363	4403	4444	4485	4526	4568	4610	4652	4695	4739	4782	4826	4871	4916	4961
			T	<b>8707</b>	<b>8787</b>	<b>8868</b>	<b>8950</b>	<b>9032</b>	<b>9115</b>	<b>9199</b>	<b>9284</b>	<b>9370</b>	<b>9456</b>	<b>9543</b>	<b>9631</b>	<b>9720</b>	<b>9809</b>	<b>9899</b>	<b>9991</b>	<b>10083</b>
5	Dehradun	2.471	B	28835	29548	30278	31026	31792	32578	33383	34208	35053	35919	36807	37716	38648	39603	40582	41585	42612
			G	25801	26439	27092	27761	28447	29150	29870	30609	31365	32140	32934	33748	34582	35436	36312	37209	38129
			T	<b>54636</b>	<b>55986</b>	<b>57369</b>	<b>58787</b>	<b>60240</b>	<b>61728</b>	<b>63254</b>	<b>64817</b>	<b>66418</b>	<b>68059</b>	<b>69741</b>	<b>71464</b>	<b>73230</b>	<b>75040</b>	<b>76894</b>	<b>78794</b>	<b>80741</b>
6	Haridwar	2.63	B	30411	31211	32032	32874	33739	34626	35537	36471	37430	38415	39425	40462	41526	42618	43739	44890	46070
			G	26433	27128	27842	28574	29325	30097	30888	31701	32534	33390	34268	35169	36094	37044	38018	39018	40044
			T	<b>56844</b>	<b>58339</b>	<b>59873</b>	<b>61448</b>	<b>63064</b>	<b>64723</b>	<b>66425</b>	<b>68172</b>	<b>69965</b>	<b>71805</b>	<b>73693</b>	<b>75631</b>	<b>77621</b>	<b>79662</b>	<b>81757</b>	<b>83907</b>	<b>86114</b>
7	Nainital	3.28	B	17073	17634	18214	18813	19432	20071	20730	21412	22116	22843	23594	24370	25171	25999	26854	27737	28649



			G	15155	15653	16168	16700	17249	17816	18402	19007	19632	20277	20944	21632	22344	23078	23837	24621	25430
			T	<b>32228</b>	<b>33288</b>	<b>34382</b>	<b>35513</b>	<b>36680</b>	<b>37886</b>	<b>39132</b>	<b>40419</b>	<b>41748</b>	<b>43120</b>	<b>44538</b>	<b>46003</b>	<b>47515</b>	<b>49077</b>	<b>50691</b>	<b>52358</b>	<b>54079</b>
8	Pauri	0.387	B	16757	16822	16887	16952	17018	17084	17150	17216	17283	17350	17417	17484	17552	17620	17688	17757	17825
			G	16535	16599	16663	16728	16792	16857	16923	16988	17054	17120	17186	17253	17319	17386	17454	17521	17589
			T	<b>33292</b>	<b>33421</b>	<b>33550</b>	<b>33680</b>	<b>33810</b>	<b>33941</b>	<b>34073</b>	<b>34204</b>	<b>34337</b>	<b>34470</b>	<b>34603</b>	<b>34737</b>	<b>34871</b>	<b>35006</b>	<b>35142</b>	<b>35278</b>	<b>35414</b>
9	Pithoragarh	1.092	B	9884	9992	10101	10211	10323	10436	10550	10665	10781	10899	11018	11138	11260	11383	11507	11633	11760
			G	9063	9162	9262	9363	9465	9569	9673	9779	9886	9994	10103	10213	10325	10437	10551	10667	10783
			T	<b>18947</b>	<b>19154</b>	<b>19363</b>	<b>19575</b>	<b>19788</b>	<b>20004</b>	<b>20223</b>	<b>20444</b>	<b>20667</b>	<b>20893</b>	<b>21121</b>	<b>21351</b>	<b>21584</b>	<b>21820</b>	<b>22058</b>	<b>22299</b>	<b>22543</b>
10	Rudraprayag	1.344	B	5294	5365	5437	5510	5584	5659	5736	5813	5891	5970	6050	6131	6214	6297	6382	6468	6555
			G	5414	5487	5561	5635	5711	5788	5866	5944	6024	6105	6187	6270	6355	6440	6527	6614	6703
			T	<b>10708</b>	<b>10852</b>	<b>10998</b>	<b>11146</b>	<b>11295</b>	<b>11447</b>	<b>11601</b>	<b>11757</b>	<b>11915</b>	<b>12075</b>	<b>12237</b>	<b>12402</b>	<b>12569</b>	<b>12737</b>	<b>12909</b>	<b>13082</b>	<b>13258</b>
11	Tehri	1.615	B	12969	13178	13391	13608	13827	14051	14278	14508	14742	14981	15222	15468	15718	15972	16230	16492	16758
			G	13458	13675	13896	14121	14349	14580	14816	15055	15298	15545	15796	16052	16311	16574	16842	17114	17390
			T	<b>26427</b>	<b>26854</b>	<b>27287</b>	<b>27728</b>	<b>28176</b>	<b>28631</b>	<b>29093</b>	<b>29563</b>	<b>30041</b>	<b>30526</b>	<b>31019</b>	<b>31520</b>	<b>32029</b>	<b>32546</b>	<b>33072</b>	<b>33606</b>	<b>34149</b>
12	US Nagar	2.779	B	26787	27531	28297	29083	29891	30722	31576	32453	33355	34282	35234	36214	37220	38254	39317	40410	41533
			G	23409	24060	24728	25415	26122	26848	27594	28360	29149	29959	30791	31647	32526	33430	34359	35314	36296
			T	<b>50196</b>	<b>51591</b>	<b>53025</b>	<b>54498</b>	<b>56013</b>	<b>57569</b>	<b>59169</b>	<b>60813</b>	<b>62503</b>	<b>64240</b>	<b>66026</b>	<b>67861</b>	<b>69746</b>	<b>71685</b>	<b>73677</b>	<b>75724</b>	<b>77829</b>
13	Uttarkashi	2.272	B	6194	6335	6479	6626	6776	6930	7088	7249	7414	7582	7754	7930	8111	8295	8483	8676	8873
			G	5699	5828	5961	6096	6235	6377	6521	6670	6821	6976	7135	7297	7462	7632	7805	7983	8164
			T	<b>11893</b>	<b>12163</b>	<b>12440</b>	<b>12722</b>	<b>13011</b>	<b>13307</b>	<b>13609</b>	<b>13918</b>	<b>14235</b>	<b>14558</b>	<b>14889</b>	<b>15227</b>	<b>15573</b>	<b>15927</b>	<b>16289</b>	<b>16659</b>	<b>17037</b>
<b>TOTAL STATE</b>		<b>1.92</b>	B	185853	189557	193352	197239	201222	205302	209483	213767	218156	222654	227263	231987	236827	241789	246874	252086	257428
			G	173959	177321	180763	184289	187900	191599	195387	199268	203242	207314	211486	215760	220138	224625	229221	233932	238758
			T	<b>359812</b>	<b>366878</b>	<b>374115</b>	<b>381529</b>	<b>389122</b>	<b>396901</b>	<b>404870</b>	<b>413034</b>	<b>421398</b>	<b>429968</b>	<b>438749</b>	<b>447746</b>	<b>456966</b>	<b>466413</b>	<b>476095</b>	<b>486017</b>	<b>496186</b>

Source : RGI

Note : Projection are as on 1<sup>st</sup> March 2010 on Annual Growth Rate.

The above table depicts that in district U.S. Nagar the annual average growth rate is high i.e. 2.78 and in district Almora the annual average growth rate is lowest i.e. 0.31 between 1991 to 2001. In 2001 the population of 16-17 age group children is 0.57 lakhs in district Haridwar and 0.55 lakhs in Dehradun, which is highest between all the 13 districts and 0.09 lakhs in district Champawat which is lowest between all the 13 districts of Uttarakhand. The proportion of girls population is 48.35% in 2001, 48.26% in 2006 and 48.19% in 2012 which indicate that the share of girls population is slightly declining year by year in Uttarakhand.

### Population of Social Groups

The total population of Uttarakhand, according to Census 2001 is 84.89 lakhs, out of which 4.86% children are from 14-15 age group. The percentage of the children of social group (SC/ST) is 21.39% out of the total population of children belonging the age group of 14-15.

**Table 3.13 District-wise Social Group wise 14-15 age group population**

S N	District	Dac d G.R.Rate	Total Population			Population 14 & 15 Age Group (Location Wise) 2001									Population 14 & 15 Age Group (Cast Wise) 2001					
						Rural			Urban			Total			SC			ST		
			Male	Female	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1	Almora	3.14	293848	336719	630567	15494	16096	31590	1306	1125	2431	16800	17221	34021	3947	3957	7904	31	29	60
2	Bageshwar	17.56	118510	130952	249462	5802	5774	11576	181	165	346	5983	5939	11922	1672	1559	3231	39	47	86
3	Chamoli	13.51	183745	186614	370359	8210	8134	16344	1376	1078	2454	9586	9212	18798	1877	1751	3628	249	237	486
4	Champawat	9.21	111084	113458	224542	4694	4364	9058	910	746	1656	5604	5110	10714	917	847	1764	17	13	30
5	Dehradun	24.71	679583	602560	1282143	15230	13832	29062	16208	14412	30620	31438	28244	59682	4451	3955	8406	2438	2337	4775
6	Haridwar	26.30	776021	671166	1447187	24647	22448	47095	10989	9829	20818	35636	32277	67913	7723	6939	14662	77	52	129
7	Nainital	32.88	400254	362655	762909	12010	11360	23370	7280	6271	13551	19290	17631	36921	3721	3575	7296	127	112	239
8	Pauri	3.87	331061	366017	697078	15344	15523	30867	2228	1876	4104	17572	17399	34971	2821	2815	5636	31	32	63
9	Pithoragarh	10.92	227615	234674	462289	9870	9361	19231	1583	1272	2855	11453	10633	22086	2796	2464	5260	447	427	874
10	Rudraprayag	13.44	107535	119904	227439	5580	5657	11237	66	30	96	5646	5687	11333	1053	983	2036	1	1	2
11	Tehri	16.15	295168	309579	604747	13862	13771	27633	1409	1056	2465	15271	14827	30098	2245	2179	4424	8	6	14
12	US Nagar	27.79	649484	586130	1235614	21011	19420	40431	10715	9637	20352	31726	29057	60783	4162	3806	7968	3115	3000	6115
13	Uttarkashi	22.72	152016	142997	295013	6501	5937	12438	665	469	1134	7166	6406	13572	1620	1450	3070	70	58	128
	<b>STATE</b>		<b>4325924</b>	<b>4163425</b>	<b>8489349</b>	<b>158255</b>	<b>151677</b>	<b>309932</b>	<b>54916</b>	<b>47966</b>	<b>102882</b>	<b>213171</b>	<b>199643</b>	<b>412814</b>	<b>39005</b>	<b>36280</b>	<b>75285</b>	<b>6650</b>	<b>6351</b>	<b>13001</b>

Source : Census 2001

The above table indicates that 67.72% 14 to 15 age group children are from rural areas and only 32.28 % children belongs to urban areas in the State in 2001. The preposition of SC community children among the State is 18.24% and ST children is 3.15% out of the total population of 14 to 15 age group children.

**Table 3.14 Age Group 16-17 child population**

S N	District	Dac d G.R.Rate	Total Population			Population 16 & 17 Age Group (Location Wise) 2001									Population 16 & 17 Age Group (Cast Wise) 2001					
						Rural			Urban			Total			SC			ST		
			Male	Female	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1	Almora	3.14	293848	336719	630567	12195	13916	26111	1395	973	2368	13590	14889	28479	2920	3098	6018	22	16	38
2	Bageshwar	17.56	118510	130952	249462	4939	4955	9894	172	162	334	5111	5117	10228	1282	1209	2491	29	45	74
3	Chamoli	13.51	183745	186614	370359	7179	7670	14849	1346	1032	2378	8525	8702	17227	1588	1513	3101	257	273	530
4	Champawat	9.21	111084	113458	224542	3600	3664	7264	823	620	1443	4423	4284	8707	698	604	1302	14	13	27
5	Dehradun	24.71	679583	602560	1282143	13519	12282	25801	15316	13519	28835	28835	25801	54636	3988	3656	7644	1989	1916	3905
6	Haridwar	26.30	776021	671166	1447187	20153	17748	37901	10258	8685	18943	30411	26433	56844	6416	5514	11930	60	46	106
7	Nainital	32.88	400254	362655	762909	10688	9605	20293	6385	5550	11935	17073	15155	32228	3302	2801	6103	128	129	257
8	Pauri	3.87	331061	366017	697078	14451	14678	29129	2306	1857	4163	16757	16535	33292	2509	2335	4844	24	19	43
9	Pithoragarh	10.92	227615	234674	462289	8317	7911	16228	1567	1152	2719	9884	9063	18947	2352	1928	4280	393	417	810
10	Rudraprayag	13.44	107535	119904	227439	5231	5379	10610	63	35	98	5294	5414	10708	931	860	1791	3	2	5
11	Tehri	16.15	295168	309579	604747	11642	12512	24154	1327	946	2273	12969	13458	26427	1743	1703	3446	11	10	21
12	US Nagar	27.79	649484	586130	1235614	17684	15592	33276	9103	7817	16920	26787	23409	50196	3553	2783	6336	2537	2710	5247
13	Uttarkashi	22.72	152016	142997	295013	5538	5261	10799	656	438	1094	6194	5699	11893	1360	1214	2574	79	62	141
	<b>STATE</b>		<b>4325924</b>	<b>4163425</b>	<b>8489349</b>	<b>135136</b>	<b>131173</b>	<b>266309</b>	<b>50717</b>	<b>42786</b>	<b>93503</b>	<b>185853</b>	<b>173959</b>	<b>359812</b>	<b>32642</b>	<b>29218</b>	<b>61860</b>	<b>5546</b>	<b>5658</b>	<b>11204</b>

Source : Census 2001

The above table indicate that 74.01% 16 to 17 age group children are from rural areas and only 25.99% children belongs to urban areas in the State in 2001. The proposition of SC community children among the State is 16.94% and proposition of ST children is 3.06% out of the total population of 16 to 17 age group children.

**Table 3.15 Age Group 14-17 child population**

S N	District	Dacard G.Rate	Total Population			Population 14 & 17 Age Group (Location Wise) 2001									Population 14 & 17 Age Group (Cast Wise) 2001					
						Rural			Urban			Total			SC			ST		
			Male	Female	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1	Almora	3.14	293848	336719	630567	27689	30012	57701	2701	2098	4799	30390	32110	62500	6867	7055	13922	53	45	98
2	Bageshwar	17.56	118510	130952	249462	10741	10729	21470	353	327	680	11094	11056	22150	2954	2768	5722	68	92	160
3	Chamoli	13.51	183745	186614	370359	15389	15804	31193	2722	2110	4832	18111	17914	36025	3465	3264	6729	506	510	1016
4	Champawat	9.21	111084	113458	224542	8294	8028	16322	1733	1366	3099	10027	9394	19421	1615	1451	3066	31	26	57
5	Dehradun	24.71	679583	602560	1282143	28749	26114	54863	31524	27931	59455	60273	54045	114318	8439	7611	16050	4427	4253	8680
6	Haridwar	26.30	776021	671166	1447187	44800	40196	84996	21247	18514	39761	66047	58710	124757	14139	12453	26592	137	98	235
7	Nainital	32.88	400254	362655	762909	22698	20965	43663	13665	11821	25486	36363	32786	69149	7023	6376	13399	255	241	496
8	Pauri	3.87	331061	366017	697078	29795	30201	59996	4534	3733	8267	34329	33934	68263	5330	5150	10480	55	51	106
9	Pithoragarh	10.92	227615	234674	462289	18187	17272	35459	3150	2424	5574	21337	19696	41033	5148	4392	9540	840	844	1684
10	Rudraprayag	13.44	107535	119904	227439	10811	11036	21847	129	65	194	10940	11101	22041	1984	1843	3827	4	3	7
11	Tehri	16.15	295168	309579	604747	25504	26283	51787	2736	2002	4738	28240	28285	56525	3988	3882	7870	19	16	35
12	US Nagar	27.79	649484	586130	1235614	38695	35012	73707	19818	17454	37272	58513	52466	110979	7715	6589	14304	5652	5710	11362
13	Uttarkashi	22.72	152016	142997	295013	12039	11198	23237	1321	907	2228	13360	12105	25465	2980	2664	5644	149	120	269
	<b>STATE</b>		<b>4325924</b>	<b>4163425</b>	<b>8489349</b>	<b>293391</b>	<b>282850</b>	<b>576241</b>	<b>105633</b>	<b>90752</b>	<b>196385</b>	<b>399024</b>	<b>373602</b>	<b>772626</b>	<b>71647</b>	<b>65498</b>	<b>137145</b>	<b>12196</b>	<b>12009</b>	<b>24205</b>

Source : Census 2001

The above table shows that 74.61% of 14 to 17 age group children are from rural areas and only 25.39 % children belongs to urban areas in the State in 2001. The proposition of SC community children among the State is 17.75% and ST children are 3.11% out of the total population of 14 to 17 age group children. In district Haridwar the percentage of SC children is highest and in Champawat it is lowest. The percentage of ST children is highest in U.S. Nagar and lowest in district Rudraprayag of Uttarakhand.

### **Participation and Enrolments in Uttarakhand**

The participation of concerned age group (14/15 and 16/17) children in the secondary and higher secondary education is indicated by their enrolment and attendance. The table given below presents the rate of enrolment in the secondary and higher secondary classes of boys and girls in Uttarakhand. Herein, it is to be noted that the enrolment figures includes both over-aged and under-aged to the concerned age groups.

**Table 3.16 Yearwise enrolment in secondary and higher secondary level**

Class	2008-09			2009-10			2010-11		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
IX	89517	74137	163654	92092	76410	168502	98149	85968	184117
X	88418	74420	162838	91630	79868	171498	97549	83217	180766
<b>Total</b>	<b>177935</b>	<b>148557</b>	<b>326492</b>	<b>183722</b>	<b>156278</b>	<b>340000</b>	<b>195698</b>	<b>169185</b>	<b>364883</b>
XI	58018	51633	109651	62325	51121	113446	70846	64369	135215
XII	45999	41709	87708	56730	51495	108225	71916	60013	131929
<b>Total</b>	<b>104017</b>	<b>93342</b>	<b>197359</b>	<b>119055</b>	<b>102616</b>	<b>221671</b>	<b>142762</b>	<b>124382</b>	<b>267144</b>

**Source:** SEMIS, 2009-10

This reveals that the total enrolment at secondary level is 245229 in 2006-07 and it increased 364883 in 2010-11. The percentage of girls is 44.45% in year 2006-07 and it increased 49.50% in 2010-11, which shows slight incensement in girls enrolment at secondary level. The total enrolment at higher secondary level was 142796 with 45.61% of girls share in 2006-07. This has increased to 267144 with 49.38% of girls share in 2010-11.

**Table 3.17 Enrolment by Class, Gender and Social Category**

Cate gory	Class IX			Class X			Class XI			Class XII		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>As on 30th Sept 2009</b>												
SC	20813	15927	36740	19475	15638	35113	10986	7935	18921	9061	7643	16704
ST	3356	2861	6217	3065	2986	6051	2262	1940	4202	2007	2064	4071
OBC	13223	11125	24348	13027	11060	24087	8278	6597	14875	7133	6167	13300
Others	54700	46497	101197	56063	50184	106247	40799	34649	75448	38549	35621	74170
<b>Total</b>	<b>92092</b>	<b>76410</b>	<b>168502</b>	<b>91630</b>	<b>79868</b>	<b>171498</b>	<b>62325</b>	<b>51121</b>	<b>113446</b>	<b>56750</b>	<b>51495</b>	<b>108245</b>
<b>As on 30th Sept 2010</b>												
SC	22282	19043	41325	20976	16946	37922	12611	10820	23431	12164	9111	21275
ST	3715	3417	7132	3529	3314	6843	2506	2499	5005	2437	2149	4586
OBC	15248	13499	28747	14849	12459	27308	10165	8902	19067	10104	7880	17984
Others	56904	50009	106913	58195	50498	108693	45564	42148	87712	47211	40873	88084
<b>Total</b>	<b>98149</b>	<b>85968</b>	<b>184117</b>	<b>97549</b>	<b>83217</b>	<b>180766</b>	<b>70846</b>	<b>64369</b>	<b>135215</b>	<b>71916</b>	<b>60013</b>	<b>131929</b>
<b>Growth between 2009 and 2010</b>												
SC	7.06	19.56	12.48	7.71	8.36	8.00	14.79	36.36	23.84	34.25	19.21	27.36
ST	10.70	19.43	14.72	15.14	10.98	13.09	10.79	28.81	19.11	21.43	4.12	12.65
OBC	15.31	21.34	18.07	13.99	12.65	13.37	22.80	34.94	28.18	41.65	27.78	35.22
Others	4.03	7.55	5.65	3.80	0.63	2.30	11.68	21.64	16.25	22.47	14.74	18.76
<b>Total</b>	<b>6.58</b>	<b>12.51</b>	<b>9.27</b>	<b>6.46</b>	<b>4.19</b>	<b>5.40</b>	<b>13.67</b>	<b>25.91</b>	<b>19.19</b>	<b>26.72</b>	<b>16.54</b>	<b>21.88</b>

**Source:** SEMIS, 2010-11

The enrolment of SC children in 2009-10 is 15.35%, ST children 3.74% and OBC is 12.60% in the higher secondary level. This is increased by 16.70% of SC, 3.60% of ST and 13.90% of OBC in year 2010-11.

**Table 3.18 Age Specific enrolment in secondary**

Age	Class 9			Class 10			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
14	35542	30301	65843	26508	22476	48984	62050	52777	114827
15	18741	16333	35074	33886	28127	62013	52627	44460	97087

**Source :** SEMIS 2010-11

The share of 14 and 15 year age children in total enrolment at secondary level is 62.32%. The population of girls enrolment in 14 and 15 age group children out of the total enrolment is 28.50%.

**Table 3.19 Age Specific enrolment in higher secondary level**

Age	Class 11			Class 12			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
16	24068	21535	45603	19157	16674	35831	43225	38209	81434
17	13572	12125	25697	23610	20244	43854	37182	32369	69551

**Source :** SEMIS 2010-11

The share of 16 and 17 year age children in total enrolment at higher secondary level is 56.50%. The share of girls enrolment in total 16 and 17 age group children out of the total enrolment is 26.41%.

**Table 3.20 ENROLMENT, UTTARAKHAND  
Class IX & X Enrolment, 2010-11**

S.No.	Year	Total			Govt.			As % of Total Enrolment
		Boys	Girls	Total	Boys	Girls	Total	
1	2010-11	195698	169185	364883	98215	103238	201453	55.21

**Source :** SEMIS, 2010-11

Shows that at the secondary level the percentage of government schools enrolled is 55.21%.

**Table 3.21 ENROLMENT, UTTARAKHAND  
Class XI & XII Enrolment, 2010-11**

S.No.	Year	Total			Govt.			As % of Total Enrolment
		Boys	Girls	Total	Boys	Girls	Total	
1	2010-11	142762	124382	267144	70322	72531	142853	53.47

**Source :** SEMIS, 2010-11

Shows that at the Higher Secondary Level the Percentage of students enrolled in Govt. School is 53.47%.

It can also be observed that there is a gender divide in the enrolment of secondary and higher secondary schools differentiated by the management. Though the sex ratio of enrolment in both the secondary and higher secondary classes is against the female children

across the schools distinguished by management, the sex ratio is relatively better in government i.e. 46.30% at Secondary Level and 46.50% at Higher Secondary Level. It indirectly indicates that the parents' choice/preference between the government/public and private schools is different for son and daughter's schooling. In other words, government/public schools are preferred for the daughter's schooling and private schools are preferred for son's schooling. This phenomenon clearly requires a policy response in the form of expansion and strengthening of government/public schools for the development of girl's education.

**Gross and Net Enrolment Ratio (GER and NER) of Secondary Classes in Uttarakhand for year 2010-11**

This table shows that the Gross enrolment ratio (GER) of secondary classes is the percentage of students enrolled (all ages) in the secondary classes to the secondary school age population (14/15 years age) in a year. According to SEMIS data, there are about 3.64 lakhs children enrolled during 2010-11 for the secondary (IX and X) classes in Uttarakhand. By gender break-up, there are 195698 and 169185 respectively of male and female children enrolled for the secondary classes in the state during 2010-11. The RGI projections for the secondary school age population are as on 1<sup>st</sup> March. Taking the projections of secondary school age population for years 2010 and 2011.

The gross enrolment ratio (GER) of secondary schooling in the state is about 73.88 percent during 2010-11. The gender-wise gross enrolment ratio (GER) of secondary school age male and female children is 76.62% and 70.94% respectively in the state.

The GER of Higher Secondary school of the State is about 62.13%. The Gender-wise GER of male and female at Higher Secondary is 64.12% and 60.00% respectively.

**Table 3.22 GER, Uttarakhand**

Particulars		Year	
		2009-10	2010-11
Projected Child Population 14-15 Age	Boys	250250	255413
	Girls	233753	238500
	<b>Total</b>	<b>484003</b>	<b>493913</b>
Enrolment IX & X	Boys	183722	195698
	Girls	156278	169185
	<b>Total</b>	<b>340000</b>	<b>364883</b>
GER (14-15 Age)	Boys	73.42	76.62
	Girls	66.86	70.94
	<b>Total</b>	<b>70.25</b>	<b>73.88</b>

Projected Child Population 16-17 Age	Boys	218156	222654
	Girls	203242	207314
	<b>Total</b>	<b>421398</b>	<b>429968</b>
Enrolment XI & XII	Boys	119055	142762
	Girls	102616	124382
	<b>Total</b>	<b>221671</b>	<b>267144</b>
GER (16-17 Age)	Boys	54.57	64.12
	Girls	50.49	60.00
	<b>Total</b>	<b>52.60</b>	<b>62.13</b>

**Source :** SEMIS 2010-11

The above table shows that the GER at secondary level increased year by year 70.25% to 73.88% from year 2009-10 to 2010-11 respectively. The GER of girls increased approximately 4.08% from 2009-10 to 2010-11 and the boys GER increased approximately 3.20% respectively. The GER at higher secondary level increased 52.60% to 62.13% from year 2009-10 to 2010-11.

**Table 3.23 NER, Uttarakhand**

Particulars		Year	
		2009-10	2010-11
Projected Child Population 14-15 Age	Boys	250250	255413
	Girls	233753	238500
	<b>Total</b>	<b>484003</b>	<b>493913</b>
Enrolment in Class IX & X Age 14 & 15	Boys	101371	114677
	Girls	87398	97237
	<b>Total</b>	<b>188769</b>	<b>211914</b>
NER (14-15 Age)	Boys	40.51	44.90
	Girls	37.39	40.77
	<b>Total</b>	<b>39.00</b>	<b>42.91</b>
Projected Child Population 16-17 Age	Boys	218156	222654
	Girls	203242	207314
	<b>Total</b>	<b>421398</b>	<b>429968</b>
Enrolment in Class XI & XII, Age 16 & 17	Boys	70670	80407
	Girls	62226	70578
	<b>Total</b>	<b>132896</b>	<b>150985</b>
NER (16-17 Age)	Boys	32.39	36.11
	Girls	30.62	34.04
	<b>Total</b>	<b>31.54</b>	<b>35.12</b>

**Source :** SEMIS 2010-11

The net enrolment ratio at secondary level was 39.00% in year 2009-10 and it increased by 3.91% annual growth rate and become 42.91% in year 2010-11 at secondary level in Uttarakhand. The NER of girls is increasing with 3.38% which is slightly less than boys

4.39%. Which indicate that there is need of improvement in girls enrolment at secondary level of the age 14-15.

The net enrolment ratio at higher secondary level was 31.54% in year 2009-10 and it increased by 3.78% and become 35.12% in year 2010-11 at higher secondary level in Uttarakhand. The NER of girls is 30.62% which is slightly less than boys net growth rate of 34.04%. There is need of increase in age specific enrolment at higher secondary level in Uttarakhand. State proposed more targeted strategies for improve in transition from secondary to higher secondary level which accessibility, infrastructure development, upgradation of secondary school in higher secondary schools and quality improvement at secondary level.

### ***Repetition and Dropout rates***

The repetition and dropout rates are indicators of grade-to-grade flow rates of the educational system. They indicate the stagnation and wastage in the system where the minimization of which increases the efficiency. Repetition rate is the percentage of repeaters in the current school year in grade to the previous school year's total enrolment in the same grade.

The enrollment at secondary and higher secondary level (Class 9-12) is satisfactory in the State in comparison of overall enrolment at country level but the repetition at secondary and higher secondary level is much more higher. The following table shows the repeaters and dropout in secondary and higher secondary level in Uttarakhand.

**Table 3.24 Repeaters & Drop Out % At Secondary Level**

<b>SN</b>	<b>Particulars</b>	<b>Boys</b>	<b>Girls</b>	<b>Total</b>
1	Total Enrolled In Class IX In 2009-10	92092	76410	168502
2	Total Appeared in Class-X in 2010-11	81292	72287	153579
	<b>% Appeared in Class-X in 2010-11</b>	<b>88.27</b>	<b>94.60</b>	<b>91.14</b>
3	Repeaters in Class-IX in 2010-11	8100	4463	12563
	<b>% Repeaters in Class-IX in 2010-11</b>	<b>8.80</b>	<b>5.84</b>	<b>7.46</b>
4	Total Drop-out in Class-IX in 2009-10	2700	-340	2360
	<b>% Drop-out in Class-IX in 2009-10</b>	<b>2.93</b>	<b>-0.44</b>	<b>1.40</b>
<hr/>				
1	Total Enrolled In Class X In 2009-10	91630	79868	171498
2	Total Pass-outs in Class-X in 2009-10	58176	52981	111157
	<b>% Pass-outs in Class-X in 2009-10</b>	<b>63.49</b>	<b>66.34</b>	<b>64.82</b>
3	Repeaters in Class-X in 2010-11.	16257	10930	27187
	<b>% Repeaters in Class-X in 2010-11</b>	<b>17.74</b>	<b>13.69</b>	<b>15.85</b>
4	Total Drop-out in Class-X in 2009-10	17197	15957	33154
	<b>% Drop-out in Class-X in 2009-10</b>	<b>18.77</b>	<b>19.98</b>	<b>19.33</b>



1	Total Enrolled In Class IX & X In 2009-10	183722	156278	340000
2	Total Promoted in Next Class	139468	125268	264736
	<b>% Promoted in Next Class</b>	<b>75.91</b>	<b>80.16</b>	<b>77.86</b>
3	Repeaters in Class-IX & X in 2010-11	24357	15393	39750
	<b>% Repeaters in Class-IX &amp; X in 2010-11</b>	<b>13.26</b>	<b>9.85</b>	<b>11.69</b>
4	Total Drop-out in Class-IX & X in 2009-10	19897	15617	35514
	<b>% Drop-out in Class-IX &amp; X in 2009-10</b>	<b>10.83</b>	<b>9.99</b>	<b>10.45</b>

Source: SEMIS 2010-11

The above table reveals that in year 2010-11 the total percentage of repeaters in class IX is 7.46% and percentage of repeaters in Class X is 15.85%. The total percentage of repeaters at secondary level is 11.69%. This indicated that there is need to reduce the repetition at secondary level. The percentage of girls repeaters at secondary level (9.85%) is less than boys repeaters (13.26%) at secondary level.

The dropout rate in class IX in 2009-10 is 1.40% with high dropout rate 2.93% of boys in comparison of -0.44% of girls.

**Table 3.25 Repeaters & Drop Out % At Hr. Secondary Level**

SN	Particulars	Boys	Girls	Total
1	Total Enrolled In Class XI In 2009-10	62325	51121	113446
2	Total Appeared in Class-XII in 2010-11	63970	55228	119198
	<b>% Appeared in Class- XII in 2010-11</b>	<b>102.64</b>	<b>108.03</b>	<b>105.07</b>
3	Repeaters in Class-XI in 2010-11	3354	1745	5099
	<b>% Repeaters in Class-XI in 2010-11</b>	<b>5.38</b>	<b>3.41</b>	<b>4.49</b>
4	Total Drop-out in Class-XI in 2009-10	-4999	-5852	-10851
	<b>% Drop-out in Class-XI in 2009-10</b>	<b>-8.02</b>	<b>-11.45</b>	<b>-9.56</b>
1	Total Enrolled In Class XII In 2009-10	56750	51495	108245
2	Total Pass-outs in Class-XII in 2009-10	33531	34302	67833
	<b>% Pass-outs in Class-XII in 2009-10</b>	<b>59.09</b>	<b>66.61</b>	<b>62.67</b>
3	Repeaters in Class-XII in 2010-11	7946	4785	12731
	<b>% Repeaters in Class-XII in 2010-11</b>	<b>14.00</b>	<b>9.29</b>	<b>11.76</b>
4	Total Drop-out in Class-XII in 2009-10	15273	12408	27681
	<b>% Drop-out in Class-XII in 2009-10</b>	<b>26.91</b>	<b>24.10</b>	<b>25.57</b>
1	Total Enrolled In Class XI & XII In 2009-10	119075	102616	221691
2	Total Promoted in Next Class	97501	89530	187031
	<b>% Promoted in Next Class</b>	<b>81.88</b>	<b>87.25</b>	<b>84.37</b>
3	Repeaters in Class-XI & XII in 2010-11	11300	6530	17830
	<b>% Repeaters in Class-XI &amp; XII in 2010-10</b>	<b>9.49</b>	<b>6.36</b>	<b>8.04</b>
4	Total Drop-out in Class-XI & XII in 2009-10	10274	6556	16830
	<b>% Drop-out in Class-XI &amp; XII in 2009-10</b>	<b>8.63</b>	<b>6.39</b>	<b>7.59</b>

Source: SEMIS 2010-11

The above table reveals that in year 2010-11 the total percentage of repeaters in class XI is 4.49% and percentage of repeaters in Class XII is 11.76%. The total percentage of repeaters at higher secondary level is 8.04. This indicated that there is need to reduce the repetition at higher secondary level. The percentage of girls repeaters at higher secondary level (6.36%) is less than boys repeaters (9.49%) at higher secondary level.

The dropout rate in class XI in 2009-10 is -9.56% with high dropout rate -8.02% of boys in comparison of -11.45% of girls. The dropout rate in Class XII is 25.57% with girls dropout 24.10% and boys dropout 26.91%. The total dropout rate at higher secondary level is 7.59% with higher dropout of boys (8.63%) in comparison of girls dropout (6.39%).

### **Transition rates (Class VIII/IX and X/XI)**

The transition rate indicates a grade to grade flow or passing through of students within a level or one level to another level over the school years. The promotion rate, repetition and drop-out rate presented above are grade-to-grade transition rates. Also elsewhere in the above analysis we have mentioned about the crude form of transition rate from elementary to the secondary level and the secondary to the higher secondary level i.e. ratio of enrolment in class VIII to class IX and class X to class XI. Herein we have a more refined version of transition rate while discounting the repeaters. The transition rate from elementary to the secondary is a ratio of the new entrance in class IX (after excluding the repeaters in the class IX) in the year of reference (say 2010) to the enrolment in class VIII in the previous year of the reference year (i.e. 2009).

**Table 3.26 Transition Rate (Year 2010-11)**

District	Class VIII Enrolment Year 2009-10			Class IX, Enrollment Year 2009-10									Transition Rate Class VIII to Class IX		
				Total Enrolment 2010-11			Total Repeater 2010-11			New Admission 2010-11					
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Almora	7404	7475	14879	7626	6962	14588	726	393	1119	6900	6569	13469	93.19	87.88	90.52
Bageshwar	2959	3068	6027	2876	2949	5825	198	63	261	2678	2886	5564	90.50	94.07	92.32
Chamoli	4496	4315	8811	4707	4088	8795	412	195	607	4295	3893	8188	95.53	90.22	92.93
Champawat	2927	2859	5786	2967	2564	5531	371	231	602	2596	2333	4929	88.69	81.60	85.19
Dehradun	10508	10065	20573	13054	11572	24626	1249	773	2022	11805	10799	22604	112.34	107.29	109.87
Haridwar	10942	9630	20572	13575	10685	24260	732	553	1285	12843	10132	22975	117.37	105.21	111.68
Nainital	8354	7984	16338	9738	8313	18051	1004	421	1425	8734	7892	16626	104.55	98.85	101.76
Pauri	7721	7427	15148	8161	7393	15554	461	332	793	7700	7061	14761	99.73	95.07	97.45
Pithoragarh	5980	5722	11702	6230	5484	11714	561	275	836	5669	5209	10878	94.80	91.03	92.96
Rudraprayag	2831	2728	5559	3017	2626	5643	282	126	408	2735	2500	5235	96.61	91.64	94.17
Tehri	7072	7038	14110	6586	6641	13227	435	260	695	6151	6381	12532	86.98	90.66	88.82
US Nagar	14464	13312	27776	16044	13294	29338	1413	708	2121	14631	12586	27217	101.15	94.55	97.99
Uttarkashi	3483	3503	6986	3568	3397	6965	256	133	389	3312	3264	6576	95.09	93.18	94.13
<b>Uttarakhand</b>	<b>89141</b>	<b>85126</b>	<b>174267</b>	<b>98149</b>	<b>85968</b>	<b>184117</b>	<b>8100</b>	<b>4463</b>	<b>12563</b>	<b>90049</b>	<b>81505</b>	<b>171554</b>	<b>101.02</b>	<b>95.75</b>	<b>98.44</b>

**Source:** SEMIS/DISE 2010-11

According to DISE source, the enrolment in class VIII during 2009-10 was 1.74 lakhs in Uttarakhand and from the SEMIS data we have the total enrolment with repeater in class IX as 1.84 lakhs respectively during 2010-11. With these numbers the new entrants in class IX is derived as 1.71 lakhs after excluding the repeaters. Then the transition rate for the reference year 2009-10 from elementary to secondary level is 98.44%.

### ***Enrolment of Children with special needs in the Secondary Schools***

When examined participation of disabled children in the educational development process especially in the secondary and higher secondary school education, there are about 3007 children with special needs enrolled for the secondary and higher secondary classes in Uttarakhand during 2010-11. Of which 1986 are enrolled for the secondary schooling classes (IX and X) and the other 1021 are enrolled for the higher secondary classes (XI and XII). The children with special needs accounts about 0.54% and 0.38% of the total enrolled in the secondary and higher secondary classes respectively.

**Table 3.27 Children with special needs Enrolled in Secondary Classes in Uttarakhand, 2010-11**

<b>Class</b>	<b>IX</b>	<b>X</b>	<b>IX-X</b>	<b>XI</b>	<b>XII</b>	<b>XI-XII</b>	<b>IX-XII</b>
Boys	603	589	1192	297	275	572	1764
Girls	388	406	794	234	215	449	1243
Total	991	995	1986	531	490	1021	3007
Sex Ratio	0.64	0.68	0.66	0.78	0.78	0.78	0.70

**Source:** SEMIS, 2010-11

The gender distribution of the physically challenged children enrolled for the secondary and higher secondary classes indicate that the female children account about 50.10% of the total of children with special needs for secondary level and 47.99% for higher secondary level. The status of physically challenged for the female children seems to be increasing their disadvantage with respect to education.

### ***Enrolment in Secondary Schools by Age: Under-aged and Over-aged***

The distribution of total enrolled children in the secondary classes by age shows that about 58.07% are of concerned age group (14/15) and of the rest 41.92% are over-aged and under-aged, together.

Similarly, the distribution of total enrolled children in the higher secondary classes by age shows that about 56.51% are of concerned age group (16/17) and of the rest 43.48% are over-aged and under-aged, together.

### Schooling facility as per population

The first strategy to achieve the goal of universalization of secondary education is universalization of access to school with child population. The SEMIS data shows that 39 secondary level schools serve per lakh population while only 21 government secondary schools served per lakh population. At higher secondary level only 19 schools are available for per lakh population but only 11 government higher secondary school available for per lakh population.

**Table 3.28 No. of School per lakh population**

SN	Name of the District	Total No. of Schools		Total Population In 2001	No. of School Per Lakh Population		Ave. Population ( In Thousand) Served By Per School	
		Secondary ( Class IX & X)	Hr. Secondary ( Class XI & XII)		Secondary ( Class IX & X)	Hr. Secondary ( Class XI & XII)	Secondary ( Class IX & X)	Hr. Secondary ( Class XI & XII)
1	Almora	109	167	630567	17	26	6	4
2	Bageshwar	47	52	249462	19	21	5	5
3	Chamoli	96	109	370359	26	29	4	3
4	Champawat	46	48	224542	20	21	5	5
5	Dehra Dun	129	234	1282143	10	18	10	5
6	Haridwar	75	115	1447187	5	8	19	13
7	Nainital	101	149	762909	13	20	8	5
8	Pauri	150	243	697078	22	35	5	3
9	Pithoragarh	84	115	462289	18	25	6	4
10	Rudraprayag	49	77	227439	22	34	5	3
11	Tehri	100	161	604747	17	27	6	4
12	US Nagar	102	139	1235614	8	11	12	9
13	Uttarkashi	48	69	295013	16	23	6	4
<b>Total</b>		<b>1136</b>	<b>1678</b>	<b>8489349</b>	<b>13</b>	<b>20</b>	<b>7</b>	<b>5</b>
<b>Only Govt. School</b>		<b>808</b>	<b>999</b>	<b>8489349</b>	<b>10</b>	<b>12</b>	<b>11</b>	<b>8</b>

Source: SEMIS 2010-11

In district Chamoli the highest number of secondary and in district Pauri highest number of higher secondary school available for per lakh population while in district Haridwar the lowest number of school available for per lakh population. This analysis shows that in urban areas there is need of more schools as per population norms.

**Table 3.29 Districtwise served and unserved habitation in Uttarakhand**

SN	District	No. of Habitations	Served habitation in Secondary school facility Within radius of 5 km	Served habitation in Secondary school facility above radius of 5 km	GAR
1	Almora	3225	2822	403	87.50
2	Bageshwar	962	865	97	89.92
3	Chamoli	1453	1263	190	86.92
4	Champawat	1289	883	406	68.50

5	Dehradun	1725	1478	247	85.68
6	Haridwar	823	642	181	78.01
7	Nainital	1834	1698	136	92.58
8	Pauri	3661	3538	123	96.64
9	Pithoragarh	3115	112	3003	3.60
10	Rudraprayag	938	877	61	93.50
11	Tehri	2455	1977	478	80.53
12	U.S. Nagar	1214	1165	49	95.96
13	Uttarkashi	1174	873	301	74.36
<b>Total</b>		<b>23868</b>	<b>18193</b>	<b>5675</b>	<b>76.22</b>

**Source:** District Plan 2012-13.

This table shows that out of total 23868 habitations 18193 habitations are covered with secondary education facility within radius of 5 km. and rest 5675 habitations are without secondary school facilities. Total 99 UPS are proposed for upgradation during perspective plan 2012-13. Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad (USKLMSP) decided to conduct HHS and GIS mapping exercise for upgradation of UPS and opening for new school in the state. The MOU for this mapping has been signed with Uttarakhand Satellite Application Centre (USAC).

### **Planning for universalization of Physical Access**

The school mapping in Uttarakhand was done by household survey for upgrading the upper primary schools. In RMSA norms GIS mapping is proposed, Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad has signed MOU with USAC and the school GIS mapping exercise is going on.

### **Basic Facility**

When examined the presence of important facilities in school with secondary and higher secondary classes like availability of drinking water, urinals, science lab and others in the state. From the SEMIS source it is observed that about 18.58% of the schools are without drinking water facility. It may appear as a small percentage but by the norm that each and every school must have the basic minimum facility, it is an unavoidable shortage.

The children enrolled in schools with secondary classes in Uttarakhand are more disadvantaged in case of the other basic minimum facilities. In case of toilet for common use, the percentage of schools without toilet facility is 22.87% and 30.93% in Govt. schools.

**Table 3.30 School with having No. of Class Rooms**

S. No.	District	Number of Classrooms								Total Schools
		0	1	2	3	4-6	7-10	11-15	More than 15	
1	ALMORA	30	2	66	13	118	41	5	1	276
2	BAGESHWAR	15	3	22	3	38	16	2	0	99

3	CHAMOLI	2	12	69	9	89	21	3	0	205
4	CHAMPAWAT	8	0	34	5	30	13	4	0	94
5	DEHRADUN	0	3	97	8	107	95	32	21	363
6	HARDWAR	9	11	40	9	42	41	19	19	190
7	NAINITAL	4	11	71	11	70	59	18	6	250
8	PAURI GARHWAL	44	22	86	9	172	51	6	3	393
9	PITHORAGARH	14	5	61	7	70	32	9	1	199
10	RUDRAPRAYAG	3	2	33	3	61	24	0	0	126
11	TEHRI GARHWAL	0	5	63	16	122	52	3	0	261
12	U.S. NAGAR	7	2	53	11	66	63	25	14	241
13	UTTARKASHI	9	11	25	5	37	30	0	0	117
<b>Total</b>		<b>145</b>	<b>89</b>	<b>720</b>	<b>109</b>	<b>1022</b>	<b>538</b>	<b>126</b>	<b>65</b>	<b>2814</b>
<b>Govt. Schools</b>		<b>143</b>	<b>83</b>	<b>525</b>	<b>64</b>	<b>669</b>	<b>284</b>	<b>31</b>	<b>8</b>	<b>1807</b>

The above table shows that 5.15% schools do not have any room as 3.16% schools have only one room for the teaching purpose to class IX & X. While in the Govt. schools 7.91% schools do not have any room & 4.59% school have only one room.

**Table 3.31 Schools having its own School Building**

S. No.	Districts	Sec. Only	Hr.Sec. only	Degree college with +2 level	Post graduate college with +2 level and +3 level	Total Schools
1	ALMORA	80	166	0	0	246
2	BAGESHWAR	36	51	1	0	88
3	CHAMOLI	93	102	1	3	199
4	CHAMPAWAT	36	42	1	0	79
5	DEHRADUN	128	232	2	0	362
6	HARDWAR	66	107	0	0	173
7	NAINITAL	86	142	0	0	228
8	PAURI GARHWAL	128	238	2	1	369
9	PITHORAGARH	70	110	0	0	180
10	RUDRAPRAYAG	46	77	0	0	123
11	TEHRI GARHWAL	74	154	0	1	229
12	U.S. NAGAR	97	135	0	1	233
13	UTTARKASHI	38	62	0	2	102
<b>Total</b>		<b>978</b>	<b>1618</b>	<b>7</b>	<b>8</b>	<b>2611</b>

In the above table shows 92.79% schools have their own building. So, 7.21% schools do not have their own building.

**Table 3.32 Schools having Toilet Facility**

S. No.	Districts	Sec. Only	Hr.Sec. only	Degree college with +2 level	Post graduate college with +2 level and +3 level	Total Schools
1	ALMORA	78	153	0	0	231
2	BAGESHWAR	33	50	1	0	84
3	CHAMOLI	85	92	1	3	181
4	CHAMPAWAT	34	37	1	0	72
5	DEHRADUN	93	113	0	0	206
6	HARDWAR	55	62	0	0	117
7	NAINITAL	78	96	0	0	174
8	PAURI GARHWAL	120	215	1	1	337
9	PITHORAGARH	65	95	0	0	160
10	RUDRAPRAYAG	46	73	0	0	119
11	TEHRI GARHWAL	74	153	0	1	228
12	U.S. NAGAR	79	90	0	0	169
13	UTTARKASHI	34	58	0	2	94
<b>Total</b>		<b>874</b>	<b>1287</b>	<b>4</b>	<b>7</b>	<b>2172</b>
<b>Govt. Schools</b>		<b>439</b>	<b>808</b>	<b>0</b>	<b>0</b>	<b>1248</b>

From the above table it shows that 22.87% schools do not have toilet facility within the schools. While in the Govt. sector schools 30.93% do not have toilet facility for the student.

**Table 3.33 Schools having Drinking Water Facility**

S. No.	Districts	Sec. Only	Hr.Sec. only	Degree college with +2 level	Post graduate college with +2 level and +3 level	Total Schools
1	ALMORA	60	136	0	0	196
2	BAGESHWAR	38	47	1	0	86
3	CHAMOLI	62	75	0	3	140
4	CHAMPAWAT	33	33	1	0	67
5	DEHRADUN	108	226	2	0	336
6	HARDWAR	70	113	0	0	183
7	NAINITAL	64	137	0	0	201
8	PAURI GARHWAL	100	197	1	1	299
9	PITHORAGARH	63	99	0	0	162
10	RUDRAPRAYAG	32	63	0	0	95
11	TEHRI GARHWAL	63	135	0	1	199
12	U.S. NAGAR	100	138	0	1	239
13	UTTARKASHI	29	57	0	2	88
<b>Total</b>		<b>822</b>	<b>1456</b>	<b>5</b>	<b>8</b>	<b>2291</b>

Table 3.33 shows that 18.58% schools do not have drinking water facility within the school premises.

**Table 3.34 Schools having Electricity Connection**

S. No.	Districts	Sec. Only	Hr.Sec. only	Degree college with +2 level	Post graduate college with +2 level and +3 level	Total Schools
1	ALMORA	77	163	0	0	240
2	BAGESHWAR	33	41	0	0	74
3	CHAMOLI	54	93	0	3	150
4	CHAMPAWAT	29	43	0	0	72
5	DEHRADUN	95	224	1	0	320
6	HARDWAR	55	101	0	0	156
7	NAINITAL	89	135	0	0	224
8	PAURI GARHWAL	82	228	1	1	312
9	PITHORAGARH	54	108	0	0	162
10	RUDRAPRAYAG	24	66	0	0	90
11	TEHRI GARHWAL	46	132	0	1	179
12	U.S. NAGAR	96	135	0	1	232
13	UTTARKASHI	24	54	0	1	79
	<b>Total</b>	<b>758</b>	<b>1523</b>	<b>2</b>	<b>7</b>	<b>2290</b>

The above table shows that 18.62% schools do not have electricity connection in the school.

**Table 3.35 Schools having Head Master Room**

S. No.	Districts	Sec. Only	Hr.Sec. only	Degree college with +2 level	Post graduate college with +2 level and +3 level	Total Schools
1	ALMORA	20	57	0	0	77
2	BAGESHWAR	17	32	1	0	50
3	CHAMOLI	26	42	0	1	69
4	CHAMPAWAT	7	14	1	0	22
5	DEHRADUN	36	84	0	0	120
6	HARDWAR	32	53	0	0	85
7	NAINITAL	31	50	0	0	81
8	PAURI GARHWAL	27	105	1	1	134
9	PITHORAGARH	16	51	0	0	67
10	RUDRAPRAYAG	19	27	0	0	46
11	TEHRI GARHWAL	28	68	0	1	97
12	U.S. NAGAR	41	74	0	0	115
13	UTTARKASHI	12	34	0	2	48
	<b>All Districts</b>	<b>312</b>	<b>691</b>	<b>3</b>	<b>5</b>	<b>1011</b>

The above table shows that 64.07% schools have only head master room. So, the large no. of schools does not have head master room.



### **Classroom / Pupil Ratio**

Given the number of schools with the secondary and higher secondary classes, the adequacy/sufficiency in terms of number of class rooms available in these schools is matter of concern. An analysis of current status is useful for the future planning to improve the secondary and higher secondary while expanding number of classrooms available.

In Uttarakhand, the total number of classrooms available for the teaching activity for secondary classes in those schools with secondary classes is 7948 during 2009-10. In terms of classroom availability for the enrolled children, there are 23 classrooms available for every thousand enrolled children in the secondary classes.

### **Teachers in Secondary grade Teaching Schools in Uttarakhand**

Teachers play important role in education system wherein they are front-runners of service delivery. Adequacy in terms of number of teachers available and the commitment influences the learning process in the schools.

#### **Number of Teachers**

According to SEMIS data shown in table 3.36 indicates that there are about 14178 full-time regular teachers in government schools in Uttarakhand for the year 2010-11. The total number of teachers available for secondary classes in the state is 23393.

**Table 3.36 Teachers Position In Secondary School, 2010-11**

Particulars	Govt.			Others			Total		
	M	F	Total	M	F	Total	M	F	Total
No. of Working Teachers	10812	3366	14178	5215	4000	9215	<b>16027</b>	<b>7366</b>	<b>23393</b>
% Of Female Teacher	23.74			43.41			<b>31.49</b>		

Source: SEMIS 2010-11

It can also be seen that 23.74% female teachers are working in government secondary schools. In total 31.49% o female teachers are working in secondary school.

**Pupil Teacher Ratio :** According to the SEMIS data, the pupil teacher ratio (PTR) is 16:01 as a whole. The pupil teacher ratio seems to be high i.e. 29:01 in aided school as compared to government and other schools i.e. 15:01 and 17:01.

**Table 3.37 PTR**

SN	Type of School	Total Enrolment	No. of Working Teacher	PTR
1	Govt. School	205836	14178	01:15
2	Aided School	52568	1834	01:29
3	Other School	123628	7381	01:17
	<b>Total School</b>	<b>382032</b>	<b>23393</b>	<b>01:16</b>

### **Learning Outcomes of Secondary School Education in Uttarakhand-**

In a systematic approach the inputs and outputs have always been a matter of concern. In the education system given the inputs in terms of educational infrastructure, the output in terms of learning outcomes is evaluated.

### ***Enrolled, Appeared and Passed in Class X Exam***

When we examine the learning outcomes of secondary education in Uttarakhand in terms of children graduating from the final grade of secondary schooling i.e. Class X, it is observed from the Uttarakhand, Board of Secondary (Board Exam conducting body) source that there are about 1.68 lakhs children appeared in class X board exam in the state during 2009-10 and 1.20 lakhs (71.42%) children were passed out.

**Table 3.38 Secondary School Board (Class X) Examination by district wise & by Social Group in Govt. Schools**

		Number of Students Appeared in the Class X Board Examination			Number of Students Passed in the Class X Board Examination		
		Boys	Girls	Total	Boys	Girls	Total
District :	ALMORA						
	SC	1728	1445	3173	991	976	1967
	ST	11	8	19	8	22	30
	OBC	188	188	376	130	130	260
	Others	5286	5489	10775	3643	3949	7592
	Total	7213	7130	14343	4772	5077	9849
District :	BAGESHWAR						
	SC	783	548	1331	489	401	890
	ST	14	9	23	21	16	37
	OBC	140	120	260	99	95	194
	Others	1842	1720	3562	1344	1384	2728
	Total	2779	2397	5176	1953	1896	3849
District :	CHAMOLI						
	SC	1024	762	1786	584	541	1125
	ST	100	82	182	82	71	153
	OBC	98	81	179	62	62	124

	Others	3826	3532	7358	2503	2626	5129
	Total	5048	4457	9505	3231	3300	6531
District :	CHAMPAWAT						
	SC	418	286	704	183	204	387
	ST	8	1	9	7	1	8
	OBC	160	124	284	79	116	195
	Others	2004	1595	3599	1278	1239	2517
	Total	2590	2006	4596	1547	1560	3107
District :	DEHRADUN						
	SC	1610	1568	3178	849	1108	1957
	ST	1252	1397	2649	803	924	1727
	OBC	1550	1521	3071	869	1156	2025
	Others	6195	5679	11874	4311	4845	9156
	Total	10607	10165	20772	6832	8033	14865
District :	HARDWAR						
	SC	3339	2513	5852	1773	1396	3169
	ST	57	74	131	23	67	90
	OBC	4505	3554	8059	2754	2503	5257
	Others	3680	3061	6741	2567	2468	5035
	Total	11581	9202	20783	7117	6434	13551
District :	NAINITAL						
	SC	1915	1616	3531	890	1079	1969
	ST	74	41	115	46	29	75
	OBC	582	571	1153	299	395	694
	Others	6619	5504	12123	4595	4285	8880
	Total	9190	7732	16922	5830	5788	11618
District :	PAURI GARHWAL						
	SC	1495	1240	2735	961	984	1945
	ST	15	13	28	10	10	20
	OBC	159	174	333	104	129	233
	Others	6568	5973	12541	4967	5081	10048
	Total	8237	7400	15637	6042	6204	12246
District :	PITHORAGARH						
	SC	1522	1046	2568	969	741	1710
	ST	215	179	394	167	154	321
	OBC	541	405	946	391	327	718
	Others	3706	3180	6886	2749	2557	5306
	Total	5984	4810	10794	4276	3779	8055
District :	RUDRAPRAYAG						
	SC	551	390	941	330	296	626
	ST	0	0	0	0	0	0
	OBC	43	29	72	35	24	59
	Others	2428	2249	4677	1714	1857	3571
	Total	3022	2668	5690	2079	2177	4256
District :	TEHRI GARHWAL						
	SC	989	800	1789	643	532	1175
	ST	6	8	14	6	6	12
	OBC	707	640	1347	527	506	1033
	Others	4837	4905	9742	3407	3717	7124
	Total	6539	6353	12892	4583	4761	9344

District :	U.S. NAGAR						
	SC	2421	2067	4488	1441	1559	3000
	ST	1114	1223	2337	635	880	1515
	OBC	3605	3097	6702	2440	2457	4897
	Others	5580	4656	10236	4377	4020	8397
	Total	12720	11043	23763	8893	8916	17809
District :	UTTARKASHI						
	SC	878	789	1667	549	454	1003
	ST	57	32	89	52	27	79
	OBC	1174	1101	2275	783	746	1529
	Others	1566	1580	3146	1209	1184	2393
	Total	3675	3502	7177	2593	2411	5004
<b>State</b>	<b>UTTARAKHAND</b>						
	<b>SC</b>	<b>18673</b>	<b>15070</b>	<b>33743</b>	<b>10652</b>	<b>10271</b>	<b>20923</b>
	<b>ST</b>	<b>2923</b>	<b>3067</b>	<b>5990</b>	<b>1860</b>	<b>2207</b>	<b>4067</b>
	<b>OBC</b>	<b>13452</b>	<b>11605</b>	<b>25057</b>	<b>8572</b>	<b>8646</b>	<b>17218</b>
	<b>Others</b>	<b>54137</b>	<b>49123</b>	<b>103260</b>	<b>38664</b>	<b>39212</b>	<b>77876</b>
	<b>Total</b>	<b>89185</b>	<b>78865</b>	<b>168050</b>	<b>59748</b>	<b>60336</b>	<b>120084</b>

**Source: SEMIS 2010-11**

The SEMIS data shows that 57.04 % boys and 68.15% girls passed in SC category, where as in ST category 63.63% boys and 60.93% girls passed, in the other category 58.95% boys and 71.95% girls passed in class X exam. This table shows that the girls passing percent is comparatively high in all categories.

### ***Incentives for Teachers: teacher award, housing, and quotas for women***

In Uttarakhand, there are many schemes designed in the form of incentives for teachers. State Government started Sailesh Matyani award from year 2009-10 and Pandit Deendayal Upadhaya Award for good performing teachers. The State Government also awarded teachers through State teacher award in every year. There is no housing facility for the teachers. The government of Uttarakhand has designed a policy for the recruitment of teachers where 50% of the total teacher posts are reserved for women. However, the male and female ratio in the total teachers available for the secondary classes indicates it is against the female teachers.

### **Public Expenditure on Secondary Education in Uttarakhand**

Allocation of adequate financial resources to education is a crucial factor in the educational development of a country/state/region. This section, therefore, examines the level of financial resources allocated to the primary, secondary and higher secondary education in Uttarakhand.

## **Expenditure on School Education**

### **Trends**

The table 3.39 indicates the budget expenditure in Uttarakhand. It reflects that the expenditure on total education has increased from Rs. 1195.78 crores in 2006-07 to Rs. 2900.46 in the last budget allocation during 2010-11. The expenditure on secondary school education has increased from Rs. 654.89 crores to Rs. 1396.45 crores during the same period. The rate of increase (i.e. annual average growth) in the expenditure on the secondary education during the period in the state is almost at the same rate by which GSDP and the total expenditure has grown. Moreover, the rate of increase in the expenditure on total education is same as elementary and secondary education.

**Table 3.39 State Budget Expenditure in Uttarakhand**

<b>S N</b>	<b>Item</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>
1	GSDP	35111.00	42619.00	50674.00	59584.00	68292.00
2	Total Expenditure	9192.00	10486.00	11564.00	14196.95	16914.74
3	Total School Education	1195.78	1508.40	1703.68	23662.32	2900.46
4	Elementary Education	540.89	762.19	763.01	1411.59	1504.01
5	Secondary School	654.89	746.21	940.67	954.61	1396.45

**Note : Figures are in crore**

### **Unit Costs**

Given the facts presented above as there are a large number of existing schools having secondary classes in the state but they do not have basic infrastructure like science laboratory, sufficient number of classroom. A large number of children in the state could not avail school with secondary classes in the nearby vicinity. There is a large number of schools do not have own building and many of the school are running in building structures which are neither pucca nor semi-pucca. It needs the construction of additional classrooms wherever insufficient and construction of science laboratory in a school which does not have such facility so far. Construction of new schools in places wherever it is not there but required.

**Table 3.40  
Physical Infrastructure for Construction of New Schools**

<b>Hill Area</b>				
<b>S. No.</b>	<b>Particulars</b>	<b>Room Size (Sq. Mtr.)</b>	<b>Circulation Area (20% + Wall Area 15%) (Sq. Mtr.)</b>	<b>Total Plinth Area (Sq. Mtr.)</b>
1	Classroom	36	12.60	48.60
2	Laboratory	54	18.90	72.90
3	Principal Room	12	4.20	16.20
4	Office and Staff Room	12	4.20	16.20
5	Computer Lab	54	18.90	72.90

6	Library	48	16.80	64.80
7	Art and Craft Room	30	10.50	40.50
8	Toilet Block		0.00	0.00

**Plain Area**

S. No.	Particulars	Room Size (Sq. Mtr.)	Circulation Area (20% + Wall Area 15%) (Sq. Mtr.)	Total Plinth Area (Sq. Mtr.)
1	Classroom	48	16.80	64.80
2	Laboratory	54	18.90	72.90
3	Principal Room	12	4.20	16.20
4	Office and Staff Room	12	4.20	16.20
5	Computer Lab	54	18.90	72.90
6	Library	48	16.80	64.80
7	Art and Craft Room	30	10.50	40.50
8	Toilet Block		0.00	0.00

As per state PWD the cost of construction rates are below:

1. Plain Area - Rs. 12330 Per Sq. Mtrs.
2. Hill Area - Rs. 14100 Per Sq. Mtrs.

**Table 3.41 State PWD Construction Rate**

Item	Rates Per Sq. Mtr.	
	Hilly Area	Plain Area
<b>basic rate for ordinary non residential building</b>	<b>6810.00</b>	<b>6810.00</b>
Add for additional plinth height above 0.60 m @ RS. 200.00 per 0.30 m	400.00	400.00
Add for extra depth of foundation above 1.20 m @ RS. 300.00 per 0.30 m	600.00	600.00
Add for one subsequent floor	410.00	410.00
Add for extra height over 3 m	210.00	210.00
Add for earthquake resistant structure	370.00	370.00
Add for ant termite treatment	180.00	180.00
Add for rain water harvesting @ 1%	68.10	68.10
Add for internal water supply & sewerage works @ 8.00%	544.80	544.80
Add for internal electrical works @ 11.00%	749.10	749.10
Add for ceiling fan @ 4.00%	272.40	272.40
Add for power wiring & plug @ 3.00%	204.30	204.30
Add for site development @ 10.00%	1362.00	681.00
Add for distance index (average distance taking 40km) @ 1% per 10 km	1021.50	272.40
Add for height index (average height being below 1000 m)	340.50	0.00
<b>Charges for concept planning, sketch, drawings, specifications, DPR, working drawings, soil investigations, utility shifting etc @ 4%</b>	<b>352.00</b>	<b>352.00</b>
<b>Contingency @ 3%</b>	<b>204.30</b>	<b>204.30</b>
<b>Total</b>	<b>14099.00</b>	<b>12328.40</b>
<b>Add 20% extra for inflation for 2 years</b>	<b>16918.80</b>	<b>14794.08</b>

**Table 3.42 Unit cost as per revised state PWD Norms**

<b>Hill Area</b>				
<b>S. No.</b>	<b>Particulars</b>	<b>Total Plinth Area (Sq. Mtr.)</b>	<b>Construction Cost/ Sq. Mtr.) (In Rs.)</b>	<b>Unit Cost for Construction (in Rs.)</b>
1	Classroom	685260.000	100000.00	785260.000
2	Laboratory	1027890.000	150000.00	1177890.000
3	Principal Room	228420.000	40000.00	268420.000
4	Office and Staff Room	228420.000	40000.00	268420.000
5	Computer Lab	1027890.000	40000.00	1067890.000
6	Library	913680.000	100000.00	1013680.000
7	Art and Craft Room	571050.000	40000.00	611050.000
8	Toilet Block	275000.000	0.00	275000.000

<b>Plain Area</b>				
<b>S. No.</b>	<b>Particulars</b>	<b>Total Plinth Area (Sq. Mtr.)</b>	<b>Construction Cost/ Sq. Mtr.) (In Rs.)</b>	<b>Unit Cost for Construction (in Rs.)</b>
1	Classroom	798984.00	100000.00	898984.000
2	Laboratory	898857.00	150000.00	1048857.000
3	Principal Room	199746.00	40000.00	239746.000
4	Office and Staff Room	199746.00	40000.00	239746.000
5	Computer Lab	898857.00	40000.00	938857.000
6	Library	798984.00	100000.00	898984.000
7	Art and Craft Room	499365.00	40000.00	539365.000
8	Toilet Block	225000.00	0.00	225000.000

In this regard, for construction of additional classroom, a science lab, computer lab, art/craft room and new schools for secondary classes in the state, the unit cost of each item is presented in the above table.

**Table 3.43 Civil Work - Cost**

<b>Hill Area</b>					
<b>S. No.</b>	<b>Particulars</b>	<b>Total Plinth Area (Sq. Mtr.)</b>	<b>Unit Cost for Construction (in Rs.)</b>	<b>Furniture Cost (in Rs.)</b>	<b>Unit Cost for C.W. (in Rs.)</b>
1	Classroom	48.60	685260.000	100000.00	785260.000
2	Laboratory	72.90	1027890.000	150000.00	1177890.000
3	Principal Room	16.20	228420.000	40000.00	268420.000
4	Office and Staff Room	16.20	228420.000	40000.00	268420.000
5	Computer Lab	72.90	1027890.000	40000.00	1067890.000
6	Library	64.80	913680.000	100000.00	1013680.000
7	Art and Craft Room	40.50	571050.000	40000.00	611050.000
8	Toilet Block	0.00	275000.000	0.00	275000.000

<b>Plain Area</b>					
<b>S. No.</b>	<b>Particulars</b>	<b>Total Plinth Area (Sq. Mtr.)</b>	<b>Unit Cost for Construction (in Rs.)</b>	<b>Furniture Cost (in Rs.)</b>	<b>Unit Cost for C.W. (in Rs.)</b>
1	Classroom	64.80	798984.00	100000.00	898984.000
2	Laboratory	72.90	898857.00	150000.00	1048857.000
3	Principal Room	16.20	199746.00	40000.00	239746.000
4	Office and Staff Room	16.20	199746.00	40000.00	239746.000
5	Computer Lab	72.90	898857.00	40000.00	938857.000
6	Library	64.80	798984.00	100000.00	898984.000
7	Art and Craft Room	40.50	499365.00	40000.00	539365.000
8	Toilet Block	0.00	225000.00	0.00	225000.000

## **Summary Statement of Status and Issues of Secondary Education in Uttarakhand**

This section is intended to present the summary statement of the status of secondary education in Uttarakhand and issues arising out of the analysis.

In year 2011-12 we have proposed the unit cost for civil works as per state Govt. PWD scheduled rates, but GOI sanctioned the unit cost as per RMSA norms Uttarakhand. After discussion with construction agency not a single agency agreed for construction on the unit cost. In meeting of finance committee and executive committee of USKLMSP, the state govt. agreed to borne the additional unit cost for civil works state in 2009-10 and also directed to USKMSPP that the new AWP&B for 2012-13 will proposed on the revised scheduled rates of state PWD of GOI not sanctioned the unit cost as state PWD scheduled rates then it will be difficult to construction in secondary level. It is also note the unit cost for civil work is as per state PWD scheduled rates in SSA sanctioned by GOI.



## Chapter IV

### Planning Process

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For Effective Planning of RMSA the state decided to adopt four tier planning process.

1. Creation of Planning Core Group at different level.
2. Orientation and Capacity building of planning core groups.
3. Plan preparation exercise.
4. Implementation and Mentoring.

#### **Creation of Planning Core Groups-**

A Core Group of Governmental and Non-Governmental officials constituted at different level to adopt the micro planning concept for involvement of local authorities/PRTs/NGO's and other departments in planning process.

**(a) School Level** – A Core Group including SMDC and PRIs members, constituted at school level. The composition of school level planning team is as follows-

1. President SMDCs and O2 SMDC members.
2. Elected member of PRIs/Urban local bodies (nominated by Gram Pradhan/chairman urban area).
3. O5 -Teachers of school (O1 Science, O1 Language and O1 Social Science, O1 Maths, and O1 Other) nominated by principal.
4. Civil work experts (Local civil work agency members).
5. School level construction and academic committee members.

The School level planning Team did "Micro planning" exercise at school level with the help of SMDC, School Building Supervision Committee and School Academic Committee. This team also updated the child tracking register and co-ordinated with block level planning team. The school level planning team also prepared the school improvement plan (SIP), after analyzing the physical and academic needs of schools. This team also suggested the possible strategies, organization and use of local resources for improvement of physical and academic infrastructure of school.

**(b) Block level planning team** – Block Project Office is first monitoring and supervision agency for RMSA. This is also agency for scrutinizing and appraisal for school improvement plan. Block level planning team is constituted at Block level by following members.

1.	Block Education Officer	Chairman
2.	Deputy Block Education Officer	Member
3.	BRC Coordinator, SSA	Member

4.	Junior Engineer (Block level)	Member
5.	DIET faculty	Member
6.	Two principal GIC/GHSS	Member
7.	Two elected Chhetra Panchyat member (Nominated by Block Pramukh one from SC/ST/OBC communities).	Member
8.	One NGO representative	Member

The Block level planning team analyzed the school improvement plan and approved the requirements/strategies proposed by schools as per actual needs of school. These teams prepared consolidated Block Secondary Education Plan (BSEP) on the basis of school improvement plan and send to district project office.

**(c) District Level Planning Team** – District Plan is basic documentary plan for RMSA, which indicate the actual progress, requirements, implementation strategies, monitoring and management structure and budgetary provisions.

A Core Group of governmental and non-governmental person constituted at the district level. Composition of District planning team is as follows.

1.	District Education Officer	Chairman.
2.	District Project Officer/ADEO (M)	Member Secretary
3.	ADEO (Basic)	Member
4.	District Resource persons (RMSA)	Member
5.	Assistant Account officer (RMSA)	Member
6.	District Coordination (Planning SSA)	Member
7.	Principal DIET	Member
8.	Two BEO (One Female)	Member
9.	Teachers Association representative	Member
10.	District Health Officer	Member
11.	Two Zila Panzhayat Member (One SC/ST/OBC/minority)	Member
12.	One NGO representative (Working in education field)	Member

District planning team prepared District Secondary Education Plan (DSEP) after analyzing BSEP. This team also discussed the BSEP and prioritized the needs. District planning team disproved all issues of secondary education in respective district and suggestion gave to state authority for improvement and reforms in secondary education. This team prepared activity and monitoring calendar in district for implementation of RMSA.

**(d) State Planning Team** – There is a state planning team at state level comprised as follows.

1	Secretary, School Education	President
2	State Project Director/Director School Education	Member Secretary
3	State Project Director (SSA)	Member
4	Additional Project Director (RMSA/SSA)	Member
5	Finance Controller, RMSA	Member
6	Additional Director, SIEMAT	Member
7	Additional Director SCERT	Member
8	Secretary, Uttarakhand Education Board	Member
9	JPD (Planning/Quality) (RMSA)	Member
10	All Asst. P. D. RMSA	Member
11	Faculty Member, SIEMAT	Member
12	Faculty Member, SCERT	Member
13	Faculty Member, Education Board	Member
14	Representative of State Social Welfare Dept.	Member
15	Representative of State health department	Member
16	Executive engineer (Civil work agency)	Member
17	Representation of CBRI	Member
18	Two DEO (One Female and one SC/ST/OBC)	Member
19	Representative of NGO	Member

(It is necessary that atleast O3 female members and O1 SC, O1 ST, O1 Ministry Members should be there in State Planning Team).

State planning team prepared state secondary education plan (SSEP). This team suggests the reforms in curriculum, examination, and policy making to Education department of State Government in secondary education. State planning team also take care of preparation of district level plan, this team analyzed the district plan and suggest necessary improvement in district plan. State planning team is fully responsible for annual setting target, need analysis, implementation strategies and budgetary provision.

**2. Process of Plan Preparation** – The following activities have been done for plan preparation-

S. No.	Activity	Duration/ Place	Participants Sources	Major Issues
1	Orientation of State Planning Team.	SPO	All State Planning Team members and State level Education Officers.	<ul style="list-style-type: none"> <li>About RMSA norms.</li> <li>Plan preparation exercise.</li> <li>Introduction of RMSA.</li> <li>Implementation of RMSA at different level.</li> </ul>
3	Introduction and format filling of SEMIS (State level)	O1 day, SPO	SPO, SIEMAT representative DPO, Data entry operator	<ul style="list-style-type: none"> <li>Introduction of SEMIS.</li> <li>Filling of SEMIS Format.</li> </ul>

4	Participation are School Mapping Workshop	01-04 Aug. 2011, Chennai, NUEPA	JSPD (Planning), DRP	<ul style="list-style-type: none"> <li>Orientation about School Mapping</li> </ul>
5	Workshop on School Mapping exercise	20-21 Sep. 2011, SPO, DDN	DRPs/DPOs/SPO Members	<ul style="list-style-type: none"> <li>Discussion of School Mapping formats.</li> <li>Orientation about School Mapping.</li> </ul>
6	Workshop on School Mapping exercise	26-27 Sep. 2011, SPO Level	BEOs, BRCs	<ul style="list-style-type: none"> <li>Orientation about School Mapping.</li> <li>Discussion of School Mapping formats.</li> </ul>
7	Workshop on School Mapping exercise	29 Sep. 2011, Block Level	BRCs, CRCs	<ul style="list-style-type: none"> <li>Orientation about School Mapping.</li> <li>Discussion of School Mapping formats.</li> </ul>
8	School Mapping Exercise	01-30 Nov. 2011, CRC Level	CRC/School Principal/School Mapping Core team members	<ul style="list-style-type: none"> <li>Filling School Mapping formats.</li> <li>Prepared Grade Matrix.</li> </ul>
9	School Mapping Data Analysis	20-30 Dec. 2011, Block Level	BEOs, DRP and School Mapping Block team members	<ul style="list-style-type: none"> <li>Data analysis and preparation of block level Grade Matrix and Distance Matrix.</li> </ul>
10	School Mapping Data Analysis	01-15 Jan. 2012, District Level	DRPs and School Mapping District Team	<ul style="list-style-type: none"> <li>Data analysis and preparation of block level Grade Matrix and Distance Matrix.</li> </ul>
11	Introduction and data filling of SEMIS (District level)	04 Nov. 2011	All BEOs, DPO, DEO, Data Entry operators.	<ul style="list-style-type: none"> <li>Introduction of SEMIS.</li> <li>Filling of SEMIS Format.</li> </ul>
12	Introduction and data filling of SEMIS (Block level)	12 Nov. 2011	All principals of Secondary Schools.	<ul style="list-style-type: none"> <li>Introduction of SEMIS.</li> <li>Filling of SEMIS Format.</li> </ul>
13	Orientation of District Planning Team.	03 days, SPO/SEMAT Sept. 2011	All DPT members.	<ul style="list-style-type: none"> <li>Data analysis.</li> <li>Need analysis.</li> <li>Strategies for implementation</li> </ul>
14	Micro planning exercise (School level) and meeting with SMDC	School level Nov. 2011 to Dec. 2011	School planning Team.	<ul style="list-style-type: none"> <li>Meeting and School level need analysis.</li> <li>Target setting for school.</li> <li>Strategies for implementation.</li> </ul>
15	Data collection an SEMIS format.	12-15 Nov. 2011	- Principal - School Staff	<ul style="list-style-type: none"> <li>Fill the SEMIS format.</li> </ul>
16	Checking of SEMIS data	Block Level 18-26 Nov. 2011	- BEO/BPT	<ul style="list-style-type: none"> <li>Detail checking of SEMIS format.</li> </ul>
17	Computerization of SEMIS data and compilation	DPO 27 Nov. 2011 to 01 Dec. 2011	- DPO - Data entry Operator - DRPs	<ul style="list-style-type: none"> <li>Compile the SEMIS data.</li> <li>Compilation of district SEMIS data.</li> </ul>
18	Analysis of SEMIS data	SPO 07-10 Jan. 2012	- Asst. PDs. - Data Entry Operator	<ul style="list-style-type: none"> <li>Compilation of district SEMIS data.</li> </ul>
19	Collection of secondary data	BPT, DPT, SPT Nov. 2011 to Dec. 2011	- School Record - SSA, DISE data - Board Exam result - SCERT/SIEMAT/Direc	<ul style="list-style-type: none"> <li>Different kind of Secondary data collection at different level.</li> </ul>

			torate education records - Other records	
20	Preparation of SIP	School Level 01 Nov. 2011 to 31 Dec. 2011	School Level Planning Team	<ul style="list-style-type: none"> <li>• Micro Planning and new analysis.</li> <li>• SIP preparation.</li> </ul>
21	Training on Annual plan	SPO/SIEMAT 06 days (05 - region wise) Garhwal/ Kumaon) 06-11 Feb. 2012	<ul style="list-style-type: none"> <li>- BPT</li> <li>- DPT</li> <li>- SPT</li> </ul>	<ul style="list-style-type: none"> <li>• Data analysis</li> <li>• Need analysis</li> <li>• Target settings</li> <li>• Strategies proposed</li> <li>• Budget provision</li> </ul>
22	Preparation of Annual Plan	Feb/March 2012 DPO	<ul style="list-style-type: none"> <li>- BPT</li> <li>- DPT</li> </ul>	<ul style="list-style-type: none"> <li>• All activity for Plan preparation</li> </ul>
23	Analysis of district plan	SPO Mar. 2012	- SPO/SIEMAT/SCERT / Education Board faculty	<ul style="list-style-type: none"> <li>• Plan analysis</li> <li>• Suggestion for improvement</li> </ul>
24	Meeting of SPT for state Plan	O3 days SPO Apr. 2012	- SPT member	<ul style="list-style-type: none"> <li>• Discussion on all relative issues</li> <li>• Data analysis SEMIS (district wise)</li> </ul>
25	Improvement of district plan	DPO/SPO Apr. 2012	- DPT members	<ul style="list-style-type: none"> <li>• Include suggestions and correction in district plan.</li> </ul>
26	Appraisal of District/State Plan	SIEMAT/SPO 14-26 May 2012	- State Appraisal Team	<ul style="list-style-type: none"> <li>• Appraisal process.</li> </ul>
27	Discursion on plan in Executive committee in plan	EC office	<ul style="list-style-type: none"> <li>- EC members.</li> <li>- SPT members.</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion on all requirement and strategies proposed.</li> </ul>
28	Improvement of State plan	SPO May 2012	- SPT member	<ul style="list-style-type: none"> <li>• Add major suggestions given by EC and appraisal team</li> </ul>
29	submission of plan	MHRD May 2012	- SPT member	<ul style="list-style-type: none"> <li>• Plan submission to GOI.</li> </ul>

**Constraints in Plan Formulation** – In above plan formulation process there were many constraints which are following:-

- Prejudiced attitude about educational system of stake holders.
- Poor quality of data.
- Low participation of planning, team member rather than educational personals.
- Lack of experience in school based planning.
- Lack of physical infrastructure and man power at DPO and SPO level.
- Lack of Academic support for secondary education at district level or DIET.

### **Appraisal of DSEP**

District Secondary Education Plan (DSEP) are appraised at state level by State Level Appraisal Team. State Level Appraisal Committee members are following:

1. State Project Director (RMSA) - Chairman
2. Assistant State Project Director (RMSA) - Member

- |   |          |
|---|----------|
| 3. Assistant State Project Director (SSA)                   | - Member |
| 4. Additional Director, School Education or his/her nominee | - Member |
| 5. Additional Director, SCERT or his/her nominee            | - Member |
| 6. Additional Director, SIEMAT or his/her nominee           | - Member |
| 7. Secretary, School Education Board                        | - Member |
| 8. Finance Controller (RMSA)                                | - Member |
| 9. Joint State Project Director (RMSA)                      | - Member |
| 10. Finance Officer (RMSA)                                  | - Member |
| 11. Assistant State Project Director (RMSA)                 | - Member |
| 12. Executive Engineer (SSA/RMSA)                           | - Member |
| 13. Executive Engineer (Construction Agency)                | - Member |

Appraisal team analysed the need of district on the basis of SEMIS data and actual requirement of school. Team also take care the implementing strategy, monitoring mechanism and financial and manpower resource of district. Team also analysed the physical and financial progress of previous year of the district. Team given the suggestion for approval of DSEP.

After appraisal of AWP&B the district project team revised the district plan.

## Chapter V

### Alternative Development Scenario and Plan Targets for the Expansion of Secondary Education in Uttarakhand

Given the status of secondary education in Uttarakhand as on 30<sup>th</sup> September 2009, an attempt is made to explore the future prospects of secondary education in the state while taking up the national goal of universalisation of secondary education by 2020 at the state level. Herein the target indicator by which the prospects explored is the gross enrolment ratio (GER) in secondary classes in the state over the years in future.

#### Projection Models

The state of Uttarakhand has three alternative possibilities for the projections of enrolment in secondary classes in the state. One way of exploring future prospects of growth in enrolment is its past growth. Based on which one can project the future enrolment in secondary classes in the state over the years. This exercise applies the rate of growth in the past as it is. It assumes that the enrolment in secondary classes in the state will grow by this rate in future.

**Table 5.1 Year wise growth in enrolment in secondary and higher secondary level**

Annual Growth Rate in Enrolment and Projected Enrolment																						
Class	2006-07			2007-08			2008-09			2009-10			2010-11			2012-13			2016-17			
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	
IX	71679	56094	127773	72261	58679	130940	89517	74137	163654	91061	75632	166693	98149	85968	184117	93361	80542	173836	98137	91339	189052	
X	64541	52915	117456	68053	58055	126108	88418	74420	162838	90625	79050	169675	97549	83217	180766	97643	91106	188656	113353	121014	233224	
Total	136220	109009	245229	140314	116734	257048	177935	148557	326492	181686	154682	336368	195698	169185	364883	190847	171480	362208	210577	210748	419996	
Growth Rate	2006-07 to 2007-08			2007-08 to 2008-09			2008-09 to 2009-10			AAGR 2006-07 & 2009-10			2009-10 to 2010-11									

Annual Growth Rate in Enrolment and Projected Enrolment																						
Class	2006-07			2007-08			2008-09			2009-10			2010-11			2012-13			2016-17			
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	
GR IX	0.81	4.41	2.42	19.28	20.85	19.99	1.70	1.98	1.82	1.26	3.20	2.12	7.78	13.67	10.45							
GR X	5.16	8.85	6.86	23.03	21.99	22.56	2.44	5.86	4.03	3.80	7.36	5.45	7.64	5.27	6.54							
Total	2.92	6.62	4.60	21.14	21.42	21.27	2.06	3.96	2.94	2.49	5.29	3.77	7.71	9.38	8.48							
XI	42159	34943	77102	36890	33394	70284	58018	51633	109651	62171	51030	113201	70846	64369	135215	69697.8	62027.4	131725	83728.8	74514.3	158243	
XII	35508	30186	65694	39226	34277	73503	45999	41709	87708	56582	51358	107940	71916	60013	131929	55259.2	50105.6	105365	66383.6	60192.4	126576	
Total	77667	65129	142796	76116	67671	143787	104017	93342	197359	118753	102388	221141	142762	124382	267144	124957	112133	237090	150112	134707	284819	
Growth Rate	2006-07 to 2007-08			2007-08 to 2008-09			2008-09 to 2009-10			AAGR 2006 to 2009			2009-10 to 2010-11									
Growth Rate XI	-14.3	-4.64	-9.7	36.42	35.32	35.9	6.68	-1.18	3.14	9.6	9.83	9.78	13.95	26.14	19.45							
Growth Rate XII	9.48	11.9	10.6	14.7	17.8	16.2	18.7	18.8	18.7	14.3	16.2	15.2	27.10	16.85	22.22							
Total	-2.04	3.76	0.69	26.8	27.5	27.1	12.4	8.84	10.8	12.4	13.4	12.9	20.22	21.48	20.80							

**Source:** SEMIS 2010-11

**Note:** AAGR- Annual Average Growth Rate calculated by Annually Growth and average of all three years growth rate.

Here we have five years SEMIS data for enrolment in secondary classes for Uttarakhand. The enrolment figures of the secondary classes in the state are 2.45 lakhs in 2006-07, 2.57 lakhs in 2007-08, 3.26 lakhs in 2008-09, 3.36 lakhs in 2009-10 & 3.64 lakhs in 2010-11. It gives an annual rate of growth for enrolment in secondary classes in the state as 4.60 percent between 2006-07 and 2007-08, 21.27 percent between 2007-08 and 2008-09, 2.94 percent between 2008-09 and 2009-10 & 8.48 percent between 2009-10 and 2010-11. The average annual growth rate between 2006-07 to 2010-11 is 9.32%. It is interesting to note that by gender groups, the rate of growth in enrolment of secondary classes is relatively higher for the girl children when compared to that of boys.



We have five years SEMIS data for enrolment in higher secondary classes for Uttarakhand. The enrolment figures of the higher secondary classes in the state are 1.42 lakhs in 2006-07, 1.44 lakhs in 2007-08, 1.97 lakhs in 2008-09, 2.21 lakhs in 2009-10 & 2.67 lakhs in 2010-11. It gives an annual rate of growth for enrolment in higher secondary classes in the state as 0.69 percent between 2006-07 and 2007-08, 27.14 percent between 2007-08 and 2008-09, 10.75 percent between 2008-09 and 2009-10 & 20 percent between 2009-10 and 2010-11. The average annual growth rate between 2006-07 to 2010-11 is 14.85%. It is interesting to note that by gender groups, the rate of growth in enrolment of higher secondary classes is relatively higher for the girl children when compared to that of boys.

Given the facts one has to make a subjective judgment out of the four figures (4.60% or 21.27% or 2.94% or 9.60%) while considering past rate of growth for the future projections. Herein we have considered the last four years average annual rate of growth (9.60%) for the projections at secondary level and 12.86% at higher secondary level.

The second alternative is while following the national level norms of achieving the goal of universalisation of secondary education by 2020, the state may have to take-up the national level RMSA targets of reaching GER=75% by 2012 and GER=100% by 2017. GER for secondary level in year 2007-08 is 35.51% in year 2008-09 is 47.78% and in year 2009-10 is 52.48%. To comply with the national RMSA target by the GER indicator, the enrolment of secondary classes in the state has to grow at a rate 9 per cent per annum during the next two years i.e. 2007-12 and 6 percent per annum during 2012-17.

The third alternative future prospects can be based on its achievement in elementary education. The state of Uttarakhand has made a remarkable achievement in terms of enrolment in the elementary classes. The performance of the state with respect to the enrolment in elementary classes especially those who are reaching class VIII is crucial input for the secondary level. The following analysis presents the performance of Uttarakhand in terms of enrolment at elementary level.

**Table 5.2 Year wise Enrollment at elementary level**

S. No.	Year	Class I	Class II	Class III	Class IV	Class V	Class VI	Class VII	Class VIII	Total
1	2006-07	235477	203267	196478	183722	166632	155820	140255	131417	<b>1413068</b>
2	2007-08	237979	221030	214486	199090	166203	171237	158615	146524	<b>1515164</b>
3	2008-09	243016	218859	220915	206287	193639	185173	173694	164578	<b>1606161</b>
4	2009-10	239670	209556	207758	205317	194398	184776	177947	174267	<b>1593689</b>
5	2010-11	251154	218632	210065	204177	200232	191108	183626	178498	<b>1638492</b>

In terms of the number of children enrolled in each class/grade at the elementary level in the State which is given in table 5.2 show an increasing trend in classes I, II, III, V, VI & VII all over the years. In rest of the classes it has shown an increasing trend i.e. from 2006-07 to 2008-09 and a slight decreasing trend in 2009-10.

It can be observed from table 5.3 that the annual growth rate of enrolment in each class in Uttarakhand shows slight variations. The overall growth pattern from 2006-07 to 2009-10 shows decreasing trend. The growth rate between 2008-09 to 2009-10 in class VIII is very high but it has declined over the year. But for the growth rate between 2009-10 to 2010-11 shows a increase in all the classes except class IV.

**Table 5.3 Annual Growth Rate of Enrolment in Elementary Classes**

S. No.	Year	Class I	Class II	Class III	Class IV	Class V	Class VI	Class VII	Class VIII	Total
1	2006-07 to 2007-08	1.06	8.74	9.17	8.36	-0.26	9.89	13.09	11.50	7.23
2	2007-08 to 2008-09	2.12	-0.98	3.00	3.61	16.51	8.14	9.51	12.32	6.01
3	2008-09 to 2009-10	-1.38	-4.25	-5.96	-0.47	0.39	-0.21	2.45	5.89	-0.78
4	2009-10 to 2010-11	4.79	4.33	1.11	-0.56	3.00	3.43	3.19	2.43	2.81

The transition rate of the system is crucial for the expansion of Education. In Uttarakhand for enrolment in elementary classes and transition from elementary to secondary level is remarkable.

In Uttarakhand it is happening because of the interventions and initiatives under the scheme of Sarva Shiksha Abhiyan (SSA). Under the scheme, initiatives like PAHAL, Muskan, EGS Centers, Residential and non-Residential Bridge Courses (RBCs and NRBCs). These initiatives in fact streamline the dropouts and over-aged children enrolled in lower classes. The dropout children in the previous grade are pursued and get enrolled for a bridge course to streamline their enrolment in a class suitable to their age. Similarly, it is the case of over-aged children studying in lower classes below class suitable to their age. These initiatives also pursue the non-enrolled children, firstly to get them enrolled in RBCs/NRBCs and prepare them in the course period to get them enrolled in classes suitable to their age.

Moreover, it is also to be noted that the drop-outs and non-enrolled increases with the age. Under these initiatives the more number of higher age groups children have to be pursued and got them enrolled in higher

classes. May be because these initiatives the enrolment in higher classes is higher than normally expected in comparison with the enrolment in lower classes.

Given the facts, when we consider the remarkable performance of the state of Uttarakhand in terms of enrolment in elementary schooling, the future prospects of secondary education in the state is promising. If the state can make out a strategy to catch the as many as children of class VIII graduates and get them enrolled in secondary classes, the state's GER would be more than the national target in the short-run. It may be illustrated in the following paras.

In Uttarakhand, the enrolment in class VIII has shown an annual rate of growth more than 12 percent during the last two years i.e. from 2006-07 to 2008-09. The annual growth rate of population in general in the state is below 2 percent since 2001, and it is 1.92 per cent for the school age population. The growth rate of children of age 13 years, who are suitable age group for class VIII, is increase over time since 2001.

The projections of enrolment in class VIII based on its past growth generates a large stock of elementary graduates, a potential reserve for the enrolment in class IX. The Government of Uttarakhand exempted the Board Exam for the class VIII children. As it will be continued further, an easy promotion of class VIII children to class IX enrolment will be facilitated. This kind of policy definitely will have its impact in terms of the decline in the repetition rate and dropout rate in class VIII. The retention rate as per DISE data provided by State Project Office, SSA, Uttarakhand is 96% in 2009-10 and dropout rate at upper primary level 0.17% which is very less.

Given the projections of enrolment in class VIII, we have used the transition rate for the projection of enrolment in class IX. A crude form of transition rate is used i.e. ratio of enrolment in class IX in the current year (2009-10) to the enrolment in class VIII in the previous year (2008-09).

The current transition rate between class VIII and class IX is 98.44 percent in Uttarakhand. The rate it is expected to grow at the rate 10 percent per annum as per growth of enrolment in Class VIII and the rate of growth of transition rate will increase. The expected increase in the rate of growth of transition rate is because of dynamism infused into the system with the interventions/initiatives under the RMSA. This linear increasing trend in transition rate is expected to have a corresponding linear decline in both the repetition and dropout rate in class VIII.

**Table 5.4 Repeaters & Dropout % At Secondary Level, 2009-10 State - Uttarakhand**

SN	Particulars	Boys	Girls	Total
1	Total Enrolled In Class IX In 2009-10	92092	76410	168502
2	Total Appeared in Class-X in 2010-11	81292	72287	153579
	<b>% Appeared in Class-X in 2010-11</b>	<b>88.27</b>	<b>94.60</b>	<b>91.14</b>
3	Repeaters in Class-IX in 2010-11	8100	4463	12563
	<b>% Repeaters in Class-IX in 2010-11</b>	<b>8.80</b>	<b>5.84</b>	<b>7.46</b>
4	Total Drop-out in Class-IX in 2009-10	2700	-340	2360
	<b>% Drop-out in Class-IX in 2009-10</b>	<b>2.93</b>	<b>-0.44</b>	<b>1.40</b>
1	Total Enrolled In Class X In 2009-10	91630	79868	171498
2	Total Pass-outs in Class-X in 2009-10	58176	52981	111157
	<b>% Pass-outs in Class-X in 2009-10</b>	<b>63.49</b>	<b>66.34</b>	<b>64.82</b>
3	Repeaters in Class-X in 2010-11.	16257	10930	27187
	<b>% Repeaters in Class-X in 2010-11</b>	<b>17.74</b>	<b>13.69</b>	<b>15.85</b>
4	Total Drop-out in Class-X in 2009-10	17197	15957	33154
	<b>% Drop-out in Class-X in 2009-10</b>	<b>18.77</b>	<b>19.98</b>	<b>19.33</b>
1	Total Enrolled In Class IX & X In 2009-10	183722	156278	340000
2	Total Promoted in Next Class	139468	125268	264736
	<b>% Promoted in Next Class</b>	<b>75.91</b>	<b>80.16</b>	<b>77.86</b>
3	Repeaters in Class-IX & X in 2010-11	24357	15393	39750
	<b>% Repeaters in Class-IX &amp; X in 2010-11</b>	<b>13.26</b>	<b>9.85</b>	<b>11.69</b>
4	Total Drop-out in Class-IX & X in 2009-10	19897	15617	35514
	<b>% Drop-out in Class-IX &amp; X in 2009-10</b>	<b>10.83</b>	<b>9.99</b>	<b>10.45</b>

**Source:** SEMIS 2010-11

Similarly the promotion rate between secondary classes i.e. between class IX and X is expected to have a linear increasing trend. The current transition rate between class IX and class X i.e. ratio of enrolment in class IX to class X is 98.25% in Uttarakhand. Since it is already at a high level the rate it is expected to grow at the rate 2 per cent per annum during year 2009-10 to 2016-17. And the linear increasing trend in promotion rate is expected to have a corresponding linear decline in both repetition and dropout rate in secondary classes. After RMSA intervention the repeaters in Class IX and X will be decreased expected rate of 2% per annum and dropout rate also decreased to 1.5% per annum.

### **Projections of Enrolment in Secondary Classes**

We have three variants of models for the projections of enrolment in secondary classes where one (Variant I) is based on the past performance and the second (Variant II) is based on the RMSA norms. The third

(Variant III) is based on the performance of the state in terms of the enrolment in elementary schooling especially that of enrolment in class VIII, transition from elementary to secondary level. Repeaters and dropout children at secondary level.

### **Enrolment projection as per past trends**

**Table 5.5 Projected GER as per past trend secondary level**

Year	Population			Enrolment			GER		
	M	F	T	M	F	T	M	F	T
2006	234436	219559	453995	136220	109009	245229	58.11	49.65	54.02
2007	238938	223774	462712	140314	116734	257048	58.72	52.17	55.55
2008	243525	228071	471596	177935	148557	326492	73.07	65.14	69.23
2009	248201	232450	480651	181686	154682	336368	73.20	66.54	69.98
2010	252966	236913	489879	190852	159341	350193	75.45	67.26	71.49
2011	257823	241462	499285	204706	170908	375614	79.40	70.78	75.23
2012	262774	246098	508871	219566	183315	402881	83.56	74.49	79.17
2013	267819	250823	518642	235505	196622	432127	87.93	78.39	83.32
2014	272961	255639	528600	252601	210895	463496	92.54	82.50	87.68
2015	278202	260547	538749	270938	226205	497143	97.39	86.82	92.28
2016	283543	265549	549093	290606	242626	533232	102.49	91.37	97.11
2017	288987	270648	559635	311702	260238	571940	107.86	96.15	102.20
2018	294536	275844	570380	334329	279130	613459	113.51	101.19	107.55
2019	300191	281141	581332	358599	299392	657992	119.46	106.49	113.19
2020	305955	286538	592493	384631	321126	705757	125.71	112.07	119.12

The enrolment projection based on three variants past growth (Var I) indicates the enrolment in the secondary classes will increase from the base 2.45 lakhs in 2006-07 to 4.02 lakhs in 2012, 5.33 lakhs in 2016 and further to 7.05 lakhs in 2020. There is a large gap between the projected size of enrolment and the school-age population and the gap is narrowed down by 2015. The State already achieved the GER 79% in 2010 and 102.20% in 2017 as past growth trend. Whereas the projection based on the RMSA norms indicated the State has no need to increase the enrolment for the targeted point of time 2012 and 2017.

### **Enrolment projection as per targeted GER**

By analyzing year wise growth in enrolment in elementary classes, transition rate from elementary level to secondary level and repetition and dropout rate at secondary level the expected growth in GER is 5% annually after 2009 which is targeted GER for next year.

Year	Population			GER			Enrolment		
	M	F	T	M	F	T	M	F	T
2006	234436	219559	453995	58.11	49.65	54.02	136220	109009	245229
2007	238938	223774	462712	58.72	52.17	55.55	140314	116734	257048
2008	243525	228071	471596	73.07	65.14	69.23	177935	148557	326492
2009	248201	232450	480651	73.20	66.54	69.98	181686	154682	336368
2010	252966	236913	489879	75.45	71.54	74.98	190852	169498	367320
2011	257823	241462	499285	79.40	76.54	79.98	204706	184825	399337
2012	262774	246098	508871	83.56	81.54	84.98	219566	200679	432448
2013	267819	250823	518642	87.93	86.54	89.98	235505	217073	466683
2014	272961	255639	528600	92.54	91.54	94.98	252601	234023	502074
2015	278202	260547	538749	97.39	96.54	99.98	270938	251543	538651
2016	283543	265549	549093	100.00	100.00	100.00	283543	265549	549093
2017	288987	270648	559635	100.00	100.00	100.00	288987	270648	559635
2018	294536	275844	570380	100.00	100.00	100.00	294536	275844	570380
2019	300191	281141	581332	100.00	100.00	100.00	300191	281141	581332
2020	305955	286538	592493	100.00	100.00	100.00	305955	286538	592493

As per targeted GER the projected enrolment in 2010 is 3.67 lakhs and 2012 is 4.32 lakhs and 2017 5.59 lakhs and in 2020 is 5.92 lakhs at secondary level in Uttarakhand. The GER is expected to increase by 5% annually for girls but for boys the GER will increase as per previous trend because there is no significant difference in transition, dropout and repetition of boys in last 3 years at elementary level. When target setting for GER at secondary level it is assumed that by 2016 State will achieved 100% GER and this will be maintained till 2020.

**Table 5.7 Year wise Additional Enrolment at secondary level**

Year	Targeted Add. Enrolment		
	Male	Female	Total
2009	4676	4379	9055
2010	4765	4463	9228
2011	4857	4549	9406
2012	4951	4636	9586
2013	5045	4725	9771
2014	5142	4816	9958
2015	5241	4908	10149
2016	5341	5002	10344
2017	5444	5099	10542
2018	5549	5196	10745
2019	5655	5297	10952
2020	5764	5397	11161

All the three variant projection models assume a positive growth in the enrolment of secondary classes in Uttarakhand but the rates of

growth vary with the model. The annual rates of growth of enrolment in secondary classes based on previous trend projection model vary from year to year all throughout the projection period. And the growth of projected enrolment based on enrolment in elementary level, dropout and retention at secondary level assumed 5% growth per year.

### **Projections of Enrolment in Higher Secondary Classes**

We have three variants of models for the projections of enrolment in higher secondary classes where one is based on the past performance and the second is based on the RMSA norms. The third is based on the performance of the state in terms of the enrolment in elementary schooling especially that of enrolment in class XI, transition from elementary to secondary level. Repeaters and dropout children at higher secondary level.

### **Enrolment projection as per previous trends**

**Table 5.8 Projected GER as per previous trend higher secondary level**

Year	Population			Enrolment			GER		
	M	F	T	M	F	T	M	F	T
2006	205302	191599	396901	77667	65129	142796	37.83	33.99	35.98
2007	209483	195387	404870	76116	67671	143787	36.34	34.63	35.51
2008	213767	199268	413034	104017	93342	197359	48.66	46.84	47.78
2009	218156	203242	421398	118753	102388	221141	54.43	50.38	52.48
2010	222654	207314	429968	130159	112222	242380	58.46	54.13	56.37
2011	227263	211486	438749	142659	123000	265660	62.77	58.16	60.55
2012	231987	215760	447746	156361	134813	291175	67.40	62.48	65.03
2013	236827	220138	456966	171379	147761	319140	72.36	67.12	69.84
2014	241789	224625	466413	187839	161953	349792	77.69	72.10	75.00
2015	246874	229221	476095	205879	177508	383387	83.39	77.44	80.53
2016	252086	233932	486017	225653	194556	420209	89.51	83.17	86.46
2017	257428	238758	496186	247326	213242	460568	96.08	89.31	92.82
2018	262370	243342	505713	271080	233723	504803	103.32	96.05	99.82
2019	267408	248014	515422	297115	256171	553286	111.11	103.29	107.35
2020	272542	252776	525318	325652	280774	606426	119.49	111.08	115.44

The enrolment projection based on three variants past growth indicates that the enrolment in the higher secondary classes will increase from the base 1.42 lakhs in 2006-07 to 2.91 lakhs in 2012, 4.20 lakhs in 2016 and further to 6.06 lakhs in 2020. There is a large gap between the projected size of enrolment and the school-age population and the gap is

narrowed down by 2015. The State has already achieved the GER 56% in 2010 and 92.82% in 2017 as past growth trend. Whereas the projection based on the RMSA norms indicated the State has no need to increase the enrolment for the targeted point of time 2012 and 2017.

### **Enrolment projection as per targeted GER**

By analyzing year wise growth in enrolment in elementary classes, transition rate from elementary level to secondary level and repetition and dropout rate at higher secondary level the expected growth in GER is 5% annually after 2009 which is targeted GER for next year.

**Table 5.9 Target GER**

Year	Population			GER		
	M	F	T	M	F	T
2006	205302	191599	396901	37.83	33.99	35.98
2007	209483	195387	404870	36.34	34.63	35.51
2008	213767	199268	413034	48.66	46.84	47.78
2009	218156	203242	421398	54.43	50.38	52.48
2010	222654	207314	429968	58.46	54.13	57.48
2011	227263	211486	438749	62.77	59.13	62.48
2012	231987	215760	447746	67.40	64.13	67.48
2013	236827	220138	456966	72.36	69.13	72.48
2014	241789	224625	466413	77.69	74.13	77.48
2015	246874	229221	476095	83.39	79.13	82.48
2016	252086	233932	486017	89.51	84.13	87.48
2017	257428	238758	496186	96.08	89.13	92.48
2018	262370	243342	505713		94.13	97.48
2019	267408	248014	515422		99.13	102.48
2020	272542	252776	525318		104.13	107.48

**Table 5.10 Year wise Additional Enrolment at higher secondary level**

Year	Targeted Add. Enrolment		
	M	F	T
2009	4389	3975	8364
2010	4498	4072	8570
2011	4609	4172	8781
2012	4724	4274	8997
2013	4841	4379	9219
2014	4961	4486	9448
2015	5085	4597	9682
2016	5212	4710	9922
2017	5342	4827	10169
2018	4943	4584	9527
2019	5038	4672	9710
2020	5134	4762	9896



All the three variant projection models assume a positive growth in the enrolment of secondary classes in Uttarakhand but the rates of growth vary with the model. The annual rate of growth of enrolment in higher secondary classes based on previous trend projection model is varying from year to year all throughout the projection period. And the growth of projected enrolment based on enrolment in elementary level, dropout and retention at higher secondary level assumed 5% growth per year.

### **Distribution of Projected Enrolment by School Management**

When we consider the above projections of enrolment in secondary classes for the projections of required resources we have to differentiate between the schools managed or funded by the state government departments and the other agencies. It is important because of the projections with respect to cost of increasing enrolment will apply only to that of enrolment in schools managed or funded by departments of the state government. All the other schools managed by central government agencies or private bodies have nothing to do with state government financing of secondary school education.

**Table 5.11 Projected Enrolment by School Management at Secondary level**

<b>Year</b>	<b>State</b>	<b>LB</b>	<b>Central</b>	<b>Aided</b>	<b>Unaided</b>	<b>Total</b>
2009	191562	2355	5180	56913	80358	336368
2010	209189	2571	5657	62151	87753	367320
2011	227422	2795	6150	67568	95402	399337
2012	246279	3027	6660	73170	103312	432448
2013	265776	3267	7187	78963	111491	466683
2014	285931	3515	7732	84951	119945	502074
2015	306762	3771	8295	91140	128684	538651
2016	312708	3844	8456	92907	131178	549093
2017	318712	3917	8618	94690	133697	559635
2018	324831	3993	8784	96508	136264	570380
2019	331069	4069	8953	98361	138880	581332
2020	337425	4147	9124	100250	141547	592493

**Table 5.12 Projected Enrolment by School Management at Higher Secondary level**

Year	State Govt.	LB	Central	Aided	Unaided	Total
2009	125940	1548	3406	37417	52831	221141
2010	138035	1697	3733	41011	57905	242380
2011	151293	1860	4091	44950	63466	265660
2012	165824	2038	4484	49267	69562	291175
2013	181750	2234	4915	53998	76243	319140
2014	199207	2449	5387	59185	83565	349792
2015	218339	2684	5904	64869	91591	383387
2016	239309	2941	6471	71099	100388	420209
2017	262293	3224	7093	77928	110030	460568
2018	287485	3534	7774	85413	120597	504803
2019	315096	3873	8521	93616	132180	553286
2020	345360	4245	9339	102607	144875	606426

**Projected components wise demand-**

The increasing in the size of enrolment definitely requires the additional resources. Herein we have presented the estimated number of up-gradation of upper primary schools and secondary school, additional teachers, classrooms and other infrastructural facilities required to serve the additional enrolment projected.

- a. **Upgradation of upper primary schools in secondary school-** The demand for up-gradation of upper primary school in secondary school is estimated based on the norms of distance and child enrolment. For this purpose school mapping exercise did at block level and block planning team analyzed the result of school mapping and additional enrolment. The same exercise did for up-gradation of secondary school in higher secondary school and the demand generated. The GIS mapping exercise also proposed for actual demand ratification of school upgradation.
- b. **Demand of Teacher-** The teacher demand is estimated based on the norms of pupil teacher ratio 30:1 and also based on subject-wise teacher. Every secondary school should have a minimum 07 subject teachers and 01 head teacher.
- c. **Demand for Classroom-** In the case of estimated demand for classrooms is based on the norms pupil classroom ratio 30:1 in

existing schools and for upgraded secondary school atleast one classroom for one section.

**d. Other infrastructural facilities-** For up-gradation of new school the following infrastructural facilities are demanded on the based of child enrolment.

<b>S. No.</b>	<b>Particulars</b>	<b>No of units</b>	<b>Unit size in sq mts.</b>
1	Laboratory (integrated)	1	104
2	Principal room (attached toilet)	1	66
3	Office and staff room	1	66
4	Teaching staff room (attached toilet)	2	104
5	Computer lab	1	104
6	Library	1	104
7	Art/craft room	1	66
8	Girls activity room	1	66
9	Toilet –Boys (Friendly to CWSN)	1	28
10	Toilets-Girls (Friendly to CWSN)	1	28
11	Drinking water facility		*
12	Ramp for physically challenged		*

**e. Strengthening of existing school-** Infrastructural facilities development of existing schools is major activities undertaken in RMSA. The following facilities are demanded for strengthening of existing schools.

<b>S. No.</b>	<b>Particulars</b>	<b>No of units</b>	<b>Norms</b>
1	Additional Classroom	1	Classroom pupil ratio 1:40
1	Laboratory (integrated)	1	Every secondary school as per required
2	Principal room (attached toilet)	1	Every secondary school as per required
3	Lab equipments	As per required	Every secondary school as per required
4	Office and staff room	1	Every secondary school as per required
5	Computer lab	1	Every secondary school as per required
6	Library	1	Every secondary school as per required
7	Art/craft room	1	Every secondary school

			as per required
8	Girls activity room	1	Every secondary school as per required
9	Toilet –Boys (Friendly to CWSN)	1	Every secondary school as per required
10	Toilets-Girls (Friendly to CWSN)	1	Every secondary school as per required
11	Drinking water facility		Every secondary school as per required
12	Ramp for physically challenged		Every secondary school as per required
13	Development of playground	1	--
14	Repairing and innovation	1	Every secondary school as per required

**f. Demand for Academic Resources:** The planning team focussed on universalization of secondary education as per required quality. To achieved this major goal of RMSA we had focussed on strengthening of academic resources and capacity building of teachers and other academic persons and institutions. Purchase of books, periodical newspaper, study tours, excursion trips, school annual grant, remedial teaching, teacher training, strengthening of DIETs/SCERT/SIEMAT, capacity building for educational institutional and personnel, learning corners, teachers and others staff etc are demanded for improvement of quality of secondary schools.

**g. Demand for bridging social and gender gaps-** For bridging the gender gap the demand generated on the base on dropout rate, additional enrolment, out of school girls and special imitative like school dress, books and stationary, transport facilities, remedial teachings and innovative programmes are proposed. Similarly in the case of bridging social gaps the same activities are proposed in perspective plan.

**h. Demand for out of school children-** The projection of out of school children at secondary level is estimated based on dropout rate of each class and transition rate from upper primary to secondary and secondary to higher secondary level. To streamline these out of

school children in school we proposed bridge courses/special coaching, alternative schooling/crash courses, transport facilities and voucher scheme in PPP mode.

- i. Demand for CWSN-** Identification of CWSN is a typical process at school level. To achieve the goal of universalization of secondary education it is necessary to consider the all kind of children for this we proposed health checkup camps, parent counselling, distribution of aids and appliances, scot facility and sensitization programmes for children with special needs.
- j. Demand for community participation-** Community participation play major role in enrolment, retention and quality education of children at secondary level. So community training, ralies, kala-jathas, nukkar-nataks, community melas, educational tours and other sensitization programmes are proposed in perspective plan.

### **The Demand for financial resources-**

Given the enrolment projections at secondary level over more than a decade for Uttarakhand, it needs the estimation of financial resources required for the schooling of the projected enrolment for the secondary classes in the state.

Financial resources required are two types: one is of development cost which is non-recurring in nature, and the other is recurring costs. The development costs includes the cost of construction of a new school, construction of additional classrooms, rooms for other purposes (Head Master, Staff, Administration), science laboratory, library, toilet blocks, setting up teaching-learning equipment (TLEs) etc.

In terms of the development cost of secondary school education in Uttarakhand, the financial resources required will be for the strengthening of existing schools with secondary classes as many of the schools found to be without basic facilities. The strengthening is with

respect to the construction of additional classrooms, science laboratory, library rooms, toilet blocks and the other rooms required.

For the expansion of secondary education in Uttarakhand, upgradation of upper primary school is one of the pathways. There are a large number of upper primary schools which have a nearest high school at the distance 5 Kms and above. All these schools may have to be upgraded but the viability consideration takes into account those middle schools which are having number of class VIII graduates at least 30 and willing to get enrolled in class IX. For this purpose about 340 upper primary schools are planned to be upgraded during perspective plan. These schools are distributed over years within the respective plan periods.

Besides, the state of Uttarakhand is also planning to open Model Schools and the construction of these schools will be completed within the plan period.

### ***Development or Non-Recurring Costs***

The estimated cost of the developmental activities with respect to strengthening of the secondary schools, upgradation of schools and opening of models are presented in the table. These estimations are made based on the unit costs, physical requirement and financial provisions are presented in the table.

**Table 5.13 Unit Cost Physical requirement and financial provisions  
in total perspective plan period**

**RMSA, Summary of AWP&B 2012-13 All District Uttarakhand**

(Rs. in Lakhs)

S.No.	Activities	Area	Fresh Proposal		
			Unit Cost	Phy.	Financial
			<b>Non Recurring</b>		
<b>1</b>	<b>New Schools</b>				
1.01	1 section school	Hill		0	0.00
		Plain		0	0.00
1.02	2 section school	Hill		0	0.00
		Plain		0	0.00
<b>Sub total</b>		<b>Hill</b>		<b>0</b>	<b>0.00</b>
		<b>Plain</b>		<b>0</b>	<b>0.00</b>
<b>2</b>	<b>Civil Works of new school</b>				
2.01	1 section school	Hill	63.53	0	0.00
		Plain	60.29	0	0.00
2.02	2 section school	Hill	79.23	0	0.00
		Plain	78.26	0	0.00
<b>Sub total</b>		<b>Hill</b>		<b>0</b>	<b>0.00</b>
		<b>Plain</b>		<b>0</b>	<b>0.00</b>
<b>3</b>	<b>Strengthening of existing schools</b>				
3.01	Additional Classroom	Hill	7.85	0	0.00
		Plain	8.99	0	0.00
3.02	Integrated Science Lab	Hill	11.78	0	0.00
		Plain	10.49	0	0.00
3.03	Head Master Room	Hill		0	0.00
		Plain		0	0.00
3.04	Office Room	Hill		0	0.00
		Plain		0	0.00
3.05	Computer Room	Hill	10.68	0	0.00
		Plain	9.39	0	0.00
3.06	Library	Hill	10.14	0	0.00
		Plain	8.99	0	0.00
3.07	Art and Craft room	Hill	6.11	0	0.00
		Plain	5.39	0	0.00
3.08	Girls Activity Room	Hill		0	0.00
		Plain		0	0.00
3.09	Toilet block	Hill	2.75	0	0.00
		Plain	2.25	0	0.00
3.10	Water facility	Hill		0	0.00
		Plain		0	0.00
3.11	Others/Lab equip.	Hill	1.00	0	0.00
		Plain	1.00	0	0.00
<b>Sub total</b>		<b>Hill</b>			<b>0.00</b>
		<b>Plain</b>			<b>0.00</b>
<b>4</b>	<b>Other Civil Work</b>				

4.01	Teacher Quarters	Hill		0	0.00
		Plain		0	0.00
<b>Sub Total</b>		<b>Hill</b>			<b>0.00</b>
		<b>Plain</b>			<b>0.00</b>
<b>5</b>	<b>Major repair</b>				
5.01	Major repair			0	0.00
<b>Subtotal</b>				<b>0</b>	<b>0.00</b>
<b>Total Non Recurring</b>					<b>0.00</b>
<b>Recurring</b>					
<b>6</b>	<b>Staff for new school</b>				
6.01	Head Master		0.50	0	0.00
6.02	Subject teacher 1		0.40	0	0.00
6.03	Subject teacher 2		0.40	0	0.00
6.04	Subject teacher 3		0.40	0	0.00
6.05	Subject teacher 4		0.40	0	0.00
6.06	Subject teacher 5		0.40	0	0.00
6.07	Subject teacher 6		0.40	0	0.00
6.08	Subject teacher 7		0.40	0	0.00
6.09	Subject teacher 8		0.40	0	0.00
6.10	Lab Attendant		0.10	0	0.00
6.11	Librarian/ Office Attn.		0.10	0	0.00
<b>Sub total</b>					<b>0.00</b>
<b>7</b>	<b>Staff for schools sanctioned in previous years</b>				
7.01	Head Master		0.50	228	1368.00
7.02	Subject teacher 1		0.40	228	1094.40
7.03	Subject teacher 2		0.40	228	1094.40
7.04	Subject teacher 3		0.40	228	1094.40
7.05	Subject teacher 4		0.40	228	1094.40
7.06	Subject teacher 5		0.40	228	1094.40
7.07	Subject teacher 6		0.40	81	388.80
7.08	Subject teacher 7		0.40	81	388.80
7.09	Subject teacher 8		0.40	0	0.00
7.10	Lab Attendant		0.12	228	328.32
7.11	Librarian/ Office Attn.		0.12	228	328.32
<b>Sub total</b>					<b>8274.24</b>
<b>8</b>	<b>Additional Teachers for existing schools</b>				
8.01	Subject teacher 1		0.40		0.00
8.02	Subject teacher 2		0.40		0.00
8.03	Subject teacher 3		0.40		0.00
8.04	Subject teacher 4		0.40		0.00
8.05	Subject teacher 5		0.40		0.00
8.06	Subject teacher 6		0.40		0.00
8.07	Subject teacher 7		0.40		0.00
8.08	Subject teacher 8		0.40		0.00
8.09	Lab Attendant		0.12	1781	2564.64
8.10	Librarian		0.10		0.00
<b>Sub total</b>					<b>2564.64</b>
<b>9</b>	<b>School Grant</b>				
9.01	School Grant		0.50	2078	1039.00
<b>Sub total</b>				<b>2078</b>	<b>1039.00</b>



<b>10</b>	<b>Minor Repair</b>				
10.01	Minor Repair		0.25	2060	<b>515.00</b>
<b>Sub total</b>				<b>2060</b>	<b>515.00</b>
<b>11</b>	<b>Teacher Training</b>				
11.01	Management Training for head masters		0.30	496	<b>148.80</b>
11.02	In-service training for existing teachers with MTs & KRPs		0.015	16128	<b>241.92</b>
11.03	Training for new teachers with MTs & KRPs		0.03	1696	<b>50.88</b>
11.04	Training for Lab. Astt. & Librarian/Office Astt. with MTs & KRPs		0.015	4132	<b>61.98</b>
11.05	Module Development		0.001	21905	<b>21.91</b>
<b>Sub total</b>					<b>525.49</b>
<b>12</b>	<b>Quality Interventions</b>				
12.01	Excursion trip for students (With in State)		0.002	106249	<b>212.50</b>
12.02	Study tours for students (Out of State)		0.02	1375	<b>27.50</b>
12.03	Study tours for teacher (With in State)		0.02	1981	<b>39.62</b>
12.04	Study tour for teachers (Out of State)		0.20	1046	<b>209.20</b>
12.05	Science Exhibition		1.00	13	<b>13.00</b>
12.06	Book fair		1.00	13	<b>13.00</b>
12.07	Special Teaching for Learning Enhancement		0.005	11686	<b>58.43</b>
12.08	Hub for Edusat		7.60	0	<b>0.00</b>
12.09	Promotion of Art/Craft		0.20	366	<b>73.20</b>
12.10	Quality Improvement workshop for teachers		0.075	1040	<b>78.00</b>
12.11	School Magazine		0.001	225832	<b>225.83</b>
12.12	Hand Book for Teachers		0.001	18079	<b>18.08</b>
<b>Sub total</b>					<b>968.36</b>
<b>13</b>	<b>Equity Interventions</b>				
<b>13.01</b>	<b>Girls oriented activities</b>				
13.01.01	Vocational Training		0.01	0	<b>0.00</b>
13.01.02	Transport Facility		0.035	12903	<b>451.61</b>
13.01.03	Personality Development Prog.		0.40	0	<b>0.00</b>
13.01.04	Self Defence Training for Girls		0.01	4670	<b>46.70</b>
<b>Sub total</b>					<b>498.31</b>
<b>13.02</b>	<b>SC/ ST oriented activities</b>				
13.02.01	Promotion of Art/Craft		0.20	0	<b>0.00</b>
13.02.02	Transportation Allowance		0.07	1497	<b>104.79</b>
13.02.03	Vocational Training		0.02	0	<b>0.00</b>
<b>Sub total</b>					<b>104.79</b>
<b>13.03</b>	<b>Educational Backward Minorities oriented activities</b>				
13.03.01	Camp		0.05	40	<b>2.00</b>
13.03.02	Activity 2		0.00	0	<b>0.00</b>
13.03.03	Activity 3		0.00	0	<b>0.00</b>
<b>Sub total</b>					<b>2.00</b>
<b>14</b>	<b>Interventions for Out of school children</b>				
<b>14.01</b>	<b>Open School System</b>				
14.01.01	Registration, Coaching & examination		0.02	0	<b>0.00</b>
14.01.02	Activity 2		0.00	0	<b>0.00</b>
14.01.03	Activity 3		0.00	0	<b>0.00</b>
<b>Sub total</b>					<b>0.00</b>
<b>15</b>	<b>Any other activity</b>				

15.01	Sports Equipments		0.20	95	<b>19.00</b>
15.02	Strengthening of SEMIS cell		11.30	13	<b>146.90</b>
15.03	Math Kit		0.09	2078	<b>187.02</b>
<b>Sub total</b>					<b>352.92</b>
<b>16</b>	<b>Guidance and Counselling</b>				
16.01	Salary for RPs/RAs		0.10	13	<b>15.60</b>
16.02	Tools for Schools		0.10	2059	<b>205.90</b>
16.03	Literature & display material		0.05	2059	<b>102.95</b>
16.04	Workshop for Teacher		0.40	97	<b>38.80</b>
16.05	State Level Cell		1.04	13	<b>13.52</b>
<b>Sub total</b>					<b>376.77</b>
<b>17</b>	<b>Community Training</b>				
17.01	Training of SDMC members		0.006	41580	<b>249.48</b>
<b>Sub total</b>					<b>249.48</b>
<b>18</b>	<b>MMER</b>				
<b>18.01</b>	<b>Monitoring Activities</b>				
18.01.01	Block Level Monitoring		0.20	95	<b>19.00</b>
18.01.02	District Level Monitoring		1.00	13	<b>13.00</b>
18.04.03	Activity 3		0.00	0	<b>0.00</b>
<b>Sub total</b>					<b>32.00</b>
<b>18.02</b>	<b>Research and Evaluation</b>				
18.02.01	Research at District Level		1.00	0	<b>13.00</b>
18.02.02	Activity 2		0.00	0	<b>0.00</b>
18.02.03	Activity 3		0.00	0	<b>0.00</b>
<b>Sub total</b>					<b>13.00</b>
18.03	Salaries		20.00	13	<b>260.00</b>
18.04	Honorarium		2.00	13	<b>26.00</b>
18.05	TA/ DA		2.00	13	<b>26.00</b>
18.06	Contingency, Meeting, workshop & other office expn.		3.00	13	<b>39.00</b>
18.07	Office Equipments		1.00	13	<b>13.00</b>
18.08	Hiring of Vehicle		2.50	13	<b>32.50</b>
18.09	Computers/ Laptops & other exp.		1.00	0	<b>13.00</b>
<b>Sub Total MMER</b>					<b>454.50</b>
<b>Total Recurring</b>					<b>15925.49</b>
<b>Grand Total (Non Recurring + Recurring)</b>					<b>15925.49</b>
<b>Total Civil Work</b>					<b>0.00</b>
State Component					<b>171.50</b>
<b>Total MMER</b>					<b>626.00</b>
<b>Grand Total</b>					<b>16096.99</b>
<b>MMER %</b>					<b>2.82</b>
<b>Civil Work %</b>					<b>0.00</b>

## **Chapter VI**

### **Strategies and Action Programmes**

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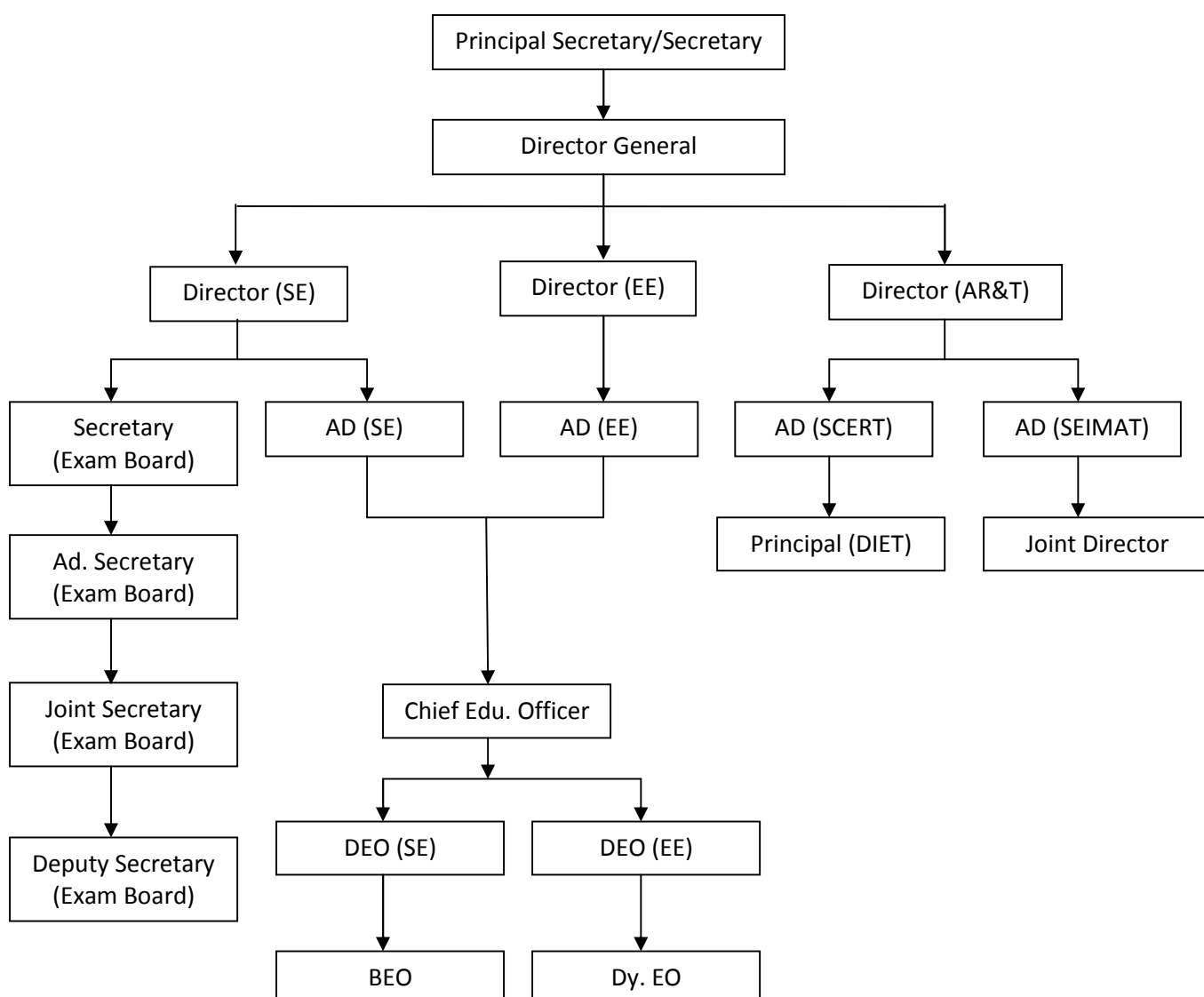
This section summaries the key mechanisms for implementing policy that are identified and interventions listed, along with the formed steps that need to be taken-

#### **Advocacy and stake holder participation-**

In Uttarakhand, the Panchayati Raj, Municipal Bodies, Community, Teachers, Parents and other stakeholders have already been involved in all the activities from planning, implementation, monitoring to evaluation process for the qualitative improvement of education. With the emergence of RMSA their role has become prominent. For the effective implementation of RMSA's goals and objectives, various committees have been formed from block, district to state level and each committee has the representatives of Panchayati Raj/Municipal Bodies, community, teachers, parents and other stakeholders. All these representatives were trained through various orientation programmes/workshops for making their greater participation in the process of planning. All these representatives have been included in micro planning exercise and in school improvement plan. All the representatives will also be involved in all the activities related to planning, monitoring, evaluation and implementation of RMSA from time to time. They are being involved in all the activities related to data collection of Data Capture format. Their services will be taken into account for the identification and verification of all the out of school children, girls and children of specific focus group. They will make arrangements of the resources like free of cost land, to the school management. The capacity of all the representatives will be build up from time to time for their greater participation in all the activities of RMSA.

School education Secretariat is taking policy decisions at state Govt. level and Directorate of school education is supreme body to take departmental decisions at school level.

## Administrative Structure of School Education Department



There is great people participation in school. Parent teacher Association (PTA) school development and management committees (SDMCS) constituted in each secondary schools SDMC is fully accountable to implementation of RMSA activities of school level.

### Qualitative Expansion – Access and Participation

#### (i) To Improve Access

- ❖ The first and foremost strategy is to improve physical access to secondary classes in terms of material, resources and infrastructure. Physical access will be improved by creating additional classrooms in the existing secondary schools.

- ❖ The expansion and strengthening of existing schools and higher secondary schools will be done according to the need that has been arisen from the SEMIS data.
- ❖ The state of Uttarakhand has no further proposal for opening any new schools. For achieve the goal of universal and affordable accessibility the state has proposed upgradation of upper primary schools. State has already achieved a Gross Access Ratio of 83.65 and many of unserved habitation is scattered and sparsely populated.
- ❖ Based on school mapping exercise the state will upgrade upper primary schools in the rest of the habitation. The first priority will be given to those schools who fulfill all the norms and are at the farthest distance i.e. in the radius of 15 km or more, then to the radius of 10-15 km, then 8-10 km, and at last to 5-8 kms. Even though if some habitation remains unserved then in that condition the provision of NIOS will be there.
- ❖ The state norms for upgradation of upper primary school in secondary school are atleast 5 km radius from secondary school and minimum 30 children will be enrolled in class IX. State govt. should be relaxed these norms in specific geographical and social reasons.
- ❖ School mapping exercise completed in all 13 districts and upgradation of UPS are proposed on school mapping exercise.
- ❖ GIS mapping exercise is going on with help of Uttarakhand space application centre (USAC) and will be done by in year 2011-12.
- ❖ To improve the access, hostel facilities for SC/ST and girl children will be provided and free of cost textbooks, uniforms etc. will be distributed.
- ❖ According to SEMIS data, the additional sections of class in school pupil teacher ratio exceeds will be extended in the circumstance where the enrolment of the students will be 30:1.
- ❖ The State is proposing the upgradation of secondary and higher secondary schools only after school mapping.

- ❖ Presently, these are 19 educationally backward blocks in our state. They need special attention in the form of teacher training, remedial teaching, special coaching and counseling for students to improve their performance.
- ❖ Special attention is given for boarder area and minority concentrated districts.

**Progress in Access-** The total no. of upper primary school upgraded in 2009-10, 2010-11 & 2011-12 in state are following-

**Table 6.1 No. of Upgraded UPS**

S N	District	School upgraded in 2009-10	School upgraded in 2010-11	School upgraded in 2011-12	Total	Staff Sanctioned			
						H.M.	Teachers	Office Attendant	Lab Asstt.
1	Almora	04	07	14	25	25	147	25	25
2	Bageshwar	02	05	08	15	15	89	15	15
3	Champawat	0	05	11	16	16	90	16	16
4	Chamoli	02	05	11	18	18	104	18	18
5	Dehradun	03	04	08	15	15	89	15	15
6	Haridwar	02	07	09	18	18	108	18	18
7	Nainital	01	05	07	13	13	77	13	13
8	Tehri	03	03	12	18	18	102	18	18
9	Pithoragarh	02	06	22	30	30	166	30	30
10	Pauri	01	03	10	14	14	78	14	14
11	Rudraprayag	01	02	03	06	06	36	06	06
12	U.S. Nagar	01	03	19	23	23	123	23	23
13	Uttarkashi	01	03	13	17	17	93	17	17
<b>Total</b>		<b>23</b>	<b>58</b>	<b>147</b>	<b>228</b>	<b>228</b>	<b>1302</b>	<b>228</b>	<b>228</b>

**Table 6.2 Physical infrastructure given to all upgraded school**

S. No.	Infrastructure	Provided to each school	No. of Infrastructure			
			2009-10	2010-11	2011-12	Total
1	Classroom	02/04	137	140	364	641
2	Head master	01	23	58	147	228
3	Office room	01	23	58	147	228
4	Library room	01	23	58	147	228
5	Computer room	01	23	58	147	228
6	Laboratory	01	23	58	147	228
7	Art and Craft room	01	23	58	147	228
8	Toilet block	01	23	58	147	228
9	Lab equipment	01	23	58	147	228

The unit cost sanctioned for a upgraded secondary school by the GOI is Rs 46.86 lakhs for 01 sanction school are Rs 58.12 lakhs for 02 section schools including furniture, which is not sufficient. State govt. proposed the separate unit cost for hilly and plain area, according to state PWD norms. State govt. prepared school specific design and estimates to all upgraded schools separately. The approximate unit cost for each construction work is following as state PWD scheduled Rates-

**Table 6.3 Unit Cost as per state norms (Hill Area) 2012-13**

S N	Work	State Norm (L X B)	Room Size (Sq. mtr.)	Circulation area (20% + Wall area 15%) (In Sq. mtr.)	Total plinth area (Sq. mtr.)	Construction cost as per PWD Norms (Per Sq. Mtr.)	Unit Cost for Construction	Furniture Cost	Unit Cost for C.W.
1	Classroom	6m X 6m	36	12.60	48.60	14100	685260.00	100000.00	785260.00
2	Laboratory	9m X 6m	54	18.90	72.90	14100	1027890.00	150000.00	1177890.00
3	Principal Room	4m X 3m	12	4.20	16.20	14100	228420.00	40000.00	268420.00
4	Office Room	4m X 3m	12	4.20	16.20	14100	228420.00	40000.00	268420.00
5	Computer Lab	9m X 6m	54	18.90	72.90	14100	1027890.00	40000.00	1067890.00
6	Library	8m X 6m	48	16.80	64.80	14100	913680.00	100000.00	1013680.00
7	Art & Craft Room	6m X 5m	30	10.50	40.50	14100	571050.00	40000.00	611050.00
8	Toilet Block			0.00	0.00		275000.00	0.00	275000.00
9	Lab. Equipment								100000.00

**Table 6.4 Unit Cost as per state norms (Plain Area) 2012-13**

S N	Work	State Norm (L X B)	Room Size (Sq. mtr.)	Circulation area (20% + Wall area 15%) (In Sq. mtr.)	Total plinth area (Sq. mtr.)	Construction cost as per PWD Norms (Per Sq. Mtr.)	Unit Cost for Construction	Furniture Cost	Unit Cost for C.W.
1	Classroom	8m X 6m	48	16.80	64.80	12330	798984.00	100000.00	898984.00
2	Laboratory	9m X 6m	54	18.90	72.90	12330	898857.00	150000.00	1048857.00
3	Principal Room	4m X 3m	12	4.20	16.20	12330	199746.00	40000.00	239746.00
4	Office Room	4m X 3m	12	4.20	16.20	12330	199746.00	40000.00	239746.00
5	Computer Lab	9m X 6m	54	18.90	72.90	12330	898857.00	40000.00	938857.00
6	Library	8m X 6m	48	16.80	64.80	12330	798984.00	100000.00	898984.00
7	Art & Craft Room	6m X 5m	30	10.50	40.50	12330	499365.00	40000.00	539365.00
8	Toilet Block			0.00	0.00		225000.00	0.00	225000.00
9	Lab. Equipment								100000.00

**Table 6.5 Unit Cost for New Upgraded High School with One Section 2012-13 (Hill Area)**

S. No.	Work	Unit cost (Hilly Area)	Total No.	Budget for Construction	Furniture cost	Total cost for C.W.
1	Classroom	685260.00	2	1370520.00	200000.00	1570520.00
2	Laboratory	1027890.00	1	1027890.00	150000.00	1177890.00
3	Principal Room	228420.00	1	228420.00	40000.00	268420.00
4	Office and Staff Room	228420.00	1	228420.00	40000.00	268420.00
5	Computer Lab	1027890.00	1	1027890.00	40000.00	1067890.00
6	Library	913680.00	1	913680.00	100000.00	1013680.00
7	Art and Craft Room	571050.00	1	571050.00	40000.00	611050.00
8	Toilet Block	275000.00	1	275000.00	0.00	275000.00
<b>Total Cost</b>				<b>5642870.00</b>	<b>610000.00</b>	<b>6252870.00</b>
<b>Lab Equipment</b>						<b>100000.00</b>
<b>Total cost for one school</b>						<b>6352870.00</b>

**Table 6.6 Unit Cost for New Upgraded High School with Two Section 2012-13 (Hill Area)**

S. No.	Work	Unit cost (Hilly Area)	Total No.	Budget for Construction	Furniture cost	Total cost for C.W.
1	Classroom	685260.00	4	2741040.00	400000.00	3141040.00
2	Laboratory	1027890.00	1	1027890.00	150000.00	1177890.00
3	Principal Room	228420.00	1	228420.00	40000.00	268420.00
4	Office and Staff Room	228420.00	1	228420.00	40000.00	268420.00
5	Computer Lab	1027890.00	1	1027890.00	40000.00	1067890.00
6	Library	913680.00	1	913680.00	100000.00	1013680.00
7	Art and Craft Room	571050.00	1	571050.00	40000.00	611050.00
8	Toilet Block	275000.00	1	275000.00	0.00	275000.00
<b>Total Cost</b>				<b>7013390.00</b>	<b>810000.00</b>	<b>7823390.00</b>
<b>Lab Equipment</b>						<b>100000.00</b>
<b>Total cost for one school</b>						<b>7923390.00</b>

**Table 6.7 Unit Cost for New Upgraded High School with One Section 2012-13  
(plain Area)**

S. No.	Work	Unit cost (Plan Area)	Total No.	Budget for Construction	Furniture cost	Total cost for C.W.
1	Classroom	798984.00	2	1597968.00	200000.00	1797968.00
2	Laboratory	898857.00	1	898857.00	150000.00	1048857.00
3	Principal Room	199746.00	1	199746.00	40000.00	239746.00
4	Office and Staff Room	199746.00	1	199746.00	40000.00	239746.00
5	Computer Lab	898857.00	1	898857.00	40000.00	938857.00
6	Library	798984.00	1	798984.00	100000.00	898984.00
7	Art and Craft Room	499365.00	1	499365.00	40000.00	539365.00
8	Toilet Block	225000.00	1	225000.00	0.00	225000.00
<b>Total Cost</b>				<b>5318523.00</b>	<b>610000.00</b>	<b>5928523.00</b>
<b>Lab Equipment</b>						<b>100000.00</b>
<b>Total cost for one school</b>						<b>6028523.00</b>

**Table 6.8 Unit Cost for New Upgraded High School with Two Section 2012-13  
(Plain Area)**

S. No.	Work	Unit cost (Plan Area)	Total No.	Budget for Construction	Furniture cost	Total cost for C.W.
1	Classroom	798984.00	4	3195936.00	400000.00	3595936.00
2	Laboratory	898857.00	1	898857.00	150000.00	1048857.00
3	Principal Room	199746.00	1	199746.00	40000.00	239746.00
4	Office and Staff Room	199746.00	1	199746.00	40000.00	239746.00
5	Computer Lab	898857.00	1	898857.00	40000.00	938857.00
6	Library	798984.00	1	798984.00	100000.00	898984.00
7	Art and Craft Room	499365.00	1	499365.00	40000.00	539365.00
8	Toilet Block	225000.00	1	225000.00	0.00	225000.00
<b>Total Cost</b>				<b>6916491.00</b>	<b>810000.00</b>	<b>7726491.00</b>
<b>Lab Equipment</b>						<b>100000.00</b>
<b>Total cost for one school</b>						<b>7826491.00</b>

### **Strengthening of Existing Schooling Provision**

Access is not only availability of school but also availability of basic minimum facilities in the school. Therefore, all the secondary schools in the state will be provided with basic minimum facilities such as minimum required furniture, drinking water, toilet blocks, electricity and a play ground. All the schools will be provided with the facility of ramps, earthquake resistant buildings, etc. according to the requirement of the school and locality.

State targeted to provided minimum required physical infrastructure in all secondary schools i.e. at least one class room for each section, 01 Integrated Laboratory, 01 Library, 01 Computer Lab, 01 Art and Craft Room and Toilet block. The number of schools provided to strengthening is given below-



**Table 6.9 Civil Work Progress (2009-10)**

S.No.	District	Civil Work	Item	Sanctioned	In Progress	Complete
1	Bageshwar	Upgraded School (02)	School Building	2	2	0
		Strengthening of School (12)	Class Room	6	6	0
			Laboratory Room	3	3	1
			Library Room	3	3	1
			Art/Craft Room	1	1	0
			Computer Room	3	3	1
Toilet Block	6	6	4			
2	Chamoli	Upgraded School (02)	School Building	2	1	0
		Strengthening of School (36)	Class Room	0	0	0
			Laboratory Room	0	0	0
			Library Room	0	0	0
			Art/Craft Room	0	0	0
			Computer Room	0	0	0
Toilet Block	36	34	25			
3	Nainital	Upgraded School (01)	School Building	1	1	0
		Strengthening of School (46)	Class Room	20	20	8
			Laboratory Room	8	8	3
			Library Room	8	8	4
			Art/Craft Room	8	8	5
			Computer Room	6	6	3
Toilet Block	8	8	3			
4	Pauri	Upgraded School (01)	School Building	1	1	0
		Strengthening of School (42)	Class Room	19	17	0
			Laboratory Room	15	15	2
			Library Room	15	14	0
			Art/Craft Room	15	14	2
			Computer Room	15	14	1
Toilet Block	30	30	12			
5	US Nagar	Upgraded School (01)	School Building	1	0	0
		Strengthening of School (45)	Class Room	11	11	11
			Laboratory Room	7	7	7
			Library Room	7	7	6
			Art/Craft Room	7	7	7
			Computer Room	7	7	7
Toilet Block	21	20	20			
6	Rudraprayag	Upgraded School (01)	School Building	1	1	0
		Strengthening of School (17)	Class Room	6	6	0
			Laboratory Room	3	3	0
			Library Room	3	3	0
			Art/Craft Room	3	3	2
			Computer Room	3	3	2
Toilet Block	6	3	0			
7	Pithoragarh	Upgraded School (02)	School Building	2	2	0
		Strengthening of School (38)	Class Room	0	0	0
			Laboratory Room	0	0	0
			Library Room	4	4	3
			Art/Craft Room	0	0	0
			Computer Room	0	0	0
Toilet Block	36	36	23			
8	Tehri	Upgraded School (03)	School Building	3	3	0
		Strengthening of School (07)	Class Room	14	14	8
			Laboratory Room	0	0	0
			Library Room	0	0	0
			Art/Craft Room	0	0	0
			Computer Room	0	0	0
Toilet Block	0	0	0			
9	Dehradun	Upgraded School (03)	School Building	3	3	1
		Strengthening of School (54)	Class Room	16	16	10
			Laboratory Room	12	12	9
			Library Room	6	6	5
			Art/Craft Room	0	0	0
			Computer Room	6	4	3
Toilet Block	36	35	28			
10	Haridwar	Upgraded School (02)	School Building	2	2	0
		Strengthening of School (06)	Class Room	12	12	12
			Laboratory Room	6	6	6
			Library Room	6	6	6
			Art/Craft Room	0	0	0
			Computer Room	0	0	0
Toilet Block	6	6	6			

11	Almora	Upgraded School (04)	School Building	4	4	0
		Strengthening of School (54)	Class Room	22	22	0
			Laboratory Room	11	8	0
			Library Room	11	10	1
			Art/Craft Room	7	7	0
			Computer Room	11	11	0
	Toilet Block	11	6	0		
12	Champawat	Upgraded School (00)	School Building	0	0	0
		Strengthening of School (20)	Class Room	6	6	2
			Laboratory Room	4	4	3
			Library Room	0	0	0
			Art/Craft Room	0	0	0
			Computer Room	4	4	3
	Toilet Block	6	6	2		
13	Uttarkashi	Upgraded School (01)	School Building	1	1	0
		Strengthening of School (15)	Class Room	5	5	0
			Laboratory Room	6	6	0
			Library Room	6	5	0
			Art/Craft Room	0	0	0
			Computer Room	0	0	0
	Toilet Block	0	0	0		
Uttarakhand		<b>Upgraded School (23)</b>	<b>School Building</b>	<b>23</b>	<b>21</b>	<b>1</b>
		<b>Strengthening of School (392)</b>	<b>Class Room</b>	<b>137</b>	<b>135</b>	<b>51</b>
			<b>Laboratory Room</b>	<b>75</b>	<b>72</b>	<b>31</b>
			<b>Library Room</b>	<b>69</b>	<b>66</b>	<b>26</b>
			<b>Art/Craft Room</b>	<b>41</b>	<b>40</b>	<b>16</b>
			<b>Computer Room</b>	<b>55</b>	<b>52</b>	<b>20</b>
	<b>Toilet Block</b>	<b>202</b>	<b>190</b>	<b>123</b>		

**Table 6.10 Civil Work Progress (2010-11)**

S.No.	District	Civil Work	Item	Sanctioned	In Progress	Complete
1	Bageshwar	Upgraded School (05)	School Building	5	5	0
		Strengthening of School (07)	Class Room	9	9	0
			Laboratory Room	5	5	0
			Library Room	6	6	0
			Art/Craft Room	7	7	0
			Computer Room	7	7	0
	Toilet Block	7	7	0		
2	Chamoli	Upgraded School (05)	School Building	5	4	0
		Strengthening of School (19)	Class Room	33	26	0
			Laboratory Room	12	11	0
			Library Room	15	13	0
			Art/Craft Room	19	17	0
			Computer Room	19	17	0
	Toilet Block	19	17	0		
3	Nainital	Upgraded School (05)	School Building	5	5	0
		Strengthening of School (29)	Class Room	51	51	0
			Laboratory Room	9	9	0
			Library Room	24	24	0
			Art/Craft Room	27	27	0
			Computer Room	26	26	0
	Toilet Block	29	29	0		
4	Pauri	Upgraded School (03)	School Building	3	3	0
		Strengthening of School (14)	Class Room	21	20	0
			Laboratory Room	9	8	0
			Library Room	11	10	0
			Art/Craft Room	13	12	0
			Computer Room	13	12	0
	Toilet Block	14	13	0		
5	US Nagar	Upgraded School (03)	School Building	3	3	0
		Strengthening of School (09)	Class Room	28	27	0
			Laboratory Room	3	3	0
			Library Room	6	5	0
			Art/Craft Room	7	6	0
			Computer Room	7	6	0
	Toilet Block	8	7	0		
6	Rudraprayag	Upgraded School (02)	School Building	2	2	0
		Strengthening of School (06)	Class Room	11	11	0
			Laboratory Room	3	3	0
			Library Room	5	5	0

			Art/Craft Room	6	6	0
			Computer Room	6	6	0
			Toilet Block	6	6	0
7	Pithoragarh	Upgraded School (06)	School Building	6	6	0
		Strengthening of School (04)	Class Room	6	6	0
			Laboratory Room	2	2	0
			Library Room	4	4	0
			Art/Craft Room	4	4	0
			Computer Room	4	4	0
			Toilet Block	4	4	0
8	Tehri	Upgraded School (03)	School Building	3	3	0
		Strengthening of School (12)	Class Room	25	23	0
			Laboratory Room	9	9	0
			Library Room	12	11	0
			Art/Craft Room	12	11	0
			Computer Room	12	11	0
			Toilet Block	12	11	0
9	Dehradun	Upgraded School (04)	School Building	4	4	0
		Strengthening of School (10)	Class Room	19	19	4
			Laboratory Room	7	7	0
			Library Room	10	10	1
			Art/Craft Room	10	10	1
			Computer Room	9	9	1
			Toilet Block	10	10	1
10	Haridwar	Upgraded School (07)	School Building	7	7	0
		Strengthening of School (11)	Class Room	15	15	0
			Laboratory Room	8	8	0
			Library Room	11	11	0
			Art/Craft Room	9	9	0
			Computer Room	11	11	0
			Toilet Block	11	11	0
11	Almora	Upgraded School (07)	School Building	7	6	0
		Strengthening of School (11)	Class Room	16	12	0
			Laboratory Room	5	3	0
			Library Room	11	9	0
			Art/Craft Room	10	8	0
			Computer Room	11	9	0
			Toilet Block	11	9	0
12	Champawat	Upgraded School (05)	School Building	5	3	0
		Strengthening of School (01)	Class Room	1	1	0
			Laboratory Room	0	0	0
			Library Room	1	1	0
			Art/Craft Room	1	1	0
			Computer Room	1	1	0
			Toilet Block	1	1	0
13	Uttarkashi	Upgraded School (03)	School Building	3	2	0
		Strengthening of School (07)	Class Room	18	14	0
			Laboratory Room	1	1	0
			Library Room	6	5	0
			Art/Craft Room	7	6	0
			Computer Room	7	6	0
			Toilet Block	7	6	0
<b>Uttarakhand</b>		<b>Upgraded School (58)</b>	<b>School Building</b>	<b>58</b>	<b>53</b>	<b>0</b>
		<b>Strengthening of School (139)</b>	<b>Class Room</b>	<b>253</b>	<b>234</b>	<b>4</b>
			<b>Laboratory Room</b>	<b>73</b>	<b>69</b>	<b>0</b>
			<b>Library Room</b>	<b>122</b>	<b>114</b>	<b>1</b>
			<b>Art/Craft Room</b>	<b>132</b>	<b>124</b>	<b>1</b>
			<b>Computer Room</b>	<b>133</b>	<b>125</b>	<b>1</b>
			<b>Toilet Block</b>	<b>139</b>	<b>131</b>	<b>1</b>

**Table 6.11 Sanctioned Civil Work (2011-12)**

S N	District	Upgraded School in 2011-12	Class Room	Headmaster Room	Office Room	Computer Room	Science Laboratory	Library	Art & Craft Room	Toilet Block
1	Almora	14	32	14	14	14	14	14	14	14
2	Bageshwar	08	22	08	08	08	08	08	08	08
3	Chamoli	11	22	11	11	11	11	11	11	11
4	Champawat	11	22	11	11	11	11	11	11	11
5	Dehradun	08	18	08	08	08	08	08	08	08
6	Haridwar	09	22	09	09	09	09	09	09	09
7	Nainital	07	18	07	07	07	07	07	07	07
8	Pauri	10	24	10	10	10	10	10	10	10
9	Pithoragarh	22	44	22	22	22	22	22	22	22
10	Rudraprayag	03	06	03	03	03	03	03	03	03
11	Tehri	12	26	12	12	12	12	12	12	12
12	US Nagar	19	66	19	19	19	19	19	19	19
13	Uttarkashi	13	42	13	13	13	13	13	13	13
	<b>Total</b>	<b>147</b>	<b>364</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>147</b>	<b>147</b>

Site selection and detail estimates are prepared for all 147 upgraded schools buildings. Construction Grant for these school building have been not released from GOI.

Govt. of Uttarakhand nominated state Irrigation Department and Rural Engineering service department as construction agencies for RMSA. MOU signed with these agencies by Uttarakhand Sabhi ke Liye Madhyamik Shiksha Parishad. Construction agencies visited to all construction sites and prepared site specific design and estimates. Executives committee of RMSA requested to state govt. for bear the additional cost of civil work under state budget, State Govt. agreed to bear this for year 2009-12. State govt. directed to implementing society of RMSA to prepared AWPB as per State PWD scheduled rates approval of same.

Local community provided the land for construction work free of cost. Civil work monitoring committee is constituted at school level, which monitored the day to day progress of civil work, SMDC prepared estimates for major repair work at school level with the help of technical person of construction agency. Uttarakhand Sabhi ke Liye Madhyamik Shiksha Parishad nominated Executive Engineer (SSA) as a technical advisor for civil work at state level. A joint Director and an Asst. Director are looking after the civil work at state level. Detail of district wise additional grant beard by State Government for civil work under RMSA:-

**Table 6.12 Additional Grant Released by State Govt. for Civil Work  
(Rs. in Lakhs)**

SN	District	2009-10	2010-11	Total
1	Almora	13.36	18.25	31.61
2	Bageshwar	22.96	113.21	136.17
3	Chamoli	74.15	313.53	387.68
4	Champawat	28.01	0.00	28.01
5	Dehradun	63.21	60.16	123.37
6	Haridwar	0.00	20.86	20.86
7	Nainital	34.34	264.33	298.67
8	Pauri	102.55	137.36	239.91
9	Pithoragarh	47.35	30.04	77.39
10	Rudraprayag	13.89	72.56	86.45
11	Tehri	0.00	7.09	7.09
12	US Nagar	9.92	94.92	104.84
13	Uttarkashi	34.21	52.28	86.49
<b>Total</b>		<b>443.95</b>	<b>1184.59</b>	<b>1628.54</b>

Due to lack of land in hilly region State Government transfer the sanctioned civil work from one school to another school. State Project Office requested to GOI for approval of these works. The detail of works are following:-

**Table 6.13 List of Work Transfer in other school**

SN	District Name	Particular	Name of Sanctioned School	Name of Changed School	Reason
1	Dehradun	Toilet Block	GGIC Kaulagarh	GHSS Kotra Santor	All Ready Exist
2		Toilet Block	GHSS Raipur	GGHS Majra	All Ready Exist
3		Toilet Block	GHSS Doiwala	GGHS Markham Grant	Sanctioned in both year 2009-10 & 2010-11
4		Toilet Block	GHS Badripur	GHS Kunja Grant	Sanctioned in both year 2009-10 & 2010-11
5		Toilet Block	GIC Mehunwala	GGHS Shamshergarh	Sanctioned in both year 2009-10 & 2010-11
6		Science Lab.	GHS Rudrapur	GHS Dhakrani	All Ready Exist
7	U.S. Nagar	Class Room	GGIS Dharampur	GGIC Dineshpur	All Ready Exist
8		Toilet Block	GHS Parwarkhera	GHS Sarwarkhera	School Name is GHS Sarwarkhera
9		Science Lab.	GHS Shivrajpur Patti	GGHS Haridaspur	All Ready Exist
10		Class Room	GHS Nagla Tarai	GIC Darau	All Ready Exist
11		Computer Room	GHS Barkheri	GHS Charubeta	All Ready Exist
12		Computer Room	GHS Shripur Bichawa	GHS Bichawa	School name correction
13		Science Lab.	GHS	GHS Balkhera	school name not mentioned in GOI sanction
14		Art/Craft Room	GGHS Turkagauri	GGIC Kichha	School not exist
15		Science Lab.	GHS Hardaspur	GHS Sisauna	Sanctioned in both year 2009-10 & 2010-11
16		Library Room	GIC Sitarganj		
17		Toilet Block	GGIC Sultanpur		
18		Major Repair	GIS Shaktifarm	GIC Faujimatkot	No need
19	Pauri	Toilet Block	GHS Charkhinda	GHS Khandmalla	sanctioned Repeat in same year
20		Toilet Block	PHS Kalingakhil	GIC Domatkhil	Aided School
21		Toilet Block	GIC Jaykotkhil	GHS Jaykhil Borgaon	School name corrected
22	Chamoli	Toilet Block	GIC Banjbagar	GHS Ummatta	Sanctioned in both year 2009-10 & 2010-11
23	Pithoragarh	Toilet Block	GHS Sel	GIC Manley	Sanctioned in both year 2009-10 & 2010-11
24	Almora	Science Lab.	GHS Tuknauli	GIC Bagwali Pokhar	No availability of Land
25		Science Lab.	GHS Jalna	GGHS Jalna	
26		Science Lab.	GHS Basar	GIC Lodhiya	

State Government cancelled some sanctioned civil works on the request of respective SMDC after verification of school SEMIS data. Details are following:-

**Table 6.14 Cancelled Civil Work (2009-10)**

S.No.	District	Name of the School	Name of Construction Work	Nos.
1	Dehradun	G.G.I.C. Kaulagarh	Computer Room	1
2		G.H.S. Sarauna	Toilet Block	1
3		G.I.C. Dobhalwala	Computer Room	1
4	Almora	G.H.S. Joorkafoon	Toilet Block	1
5	Rudraprayag	G.H.S. Veena	Toilet Block	1
6		G.H.S. Ransi	Toilet Block	1
7		G.H.S. Kandabhardar	Toilet Block	1
8	Pauri	G.H.S. Baingwari	Class Room	2
			Computer Room	1
			Art & Craft Room	1
			Library Room	1

**Table 6.15 Cancelled Civil Work 2010-11**

S.No.	District	Name of the School	Name of Construction Work	Nos.
1	US Nagar	G.H.S. Haridaspur	Class Room	1
			Computer Room	1
			Art & Craft Room	1
			Library Room	1
			Toilet Block	1
2	Pauri	G.I.C. Jagtेशwar	Class Room	1
			Science Laboratory Room	1
			Computer Room	1
			Art & Craft Room	1
			Library Room	1
			Toilet Block	1

### **Teacher recruitment and deployment-**

Three teacher recruitment at secondary level is way process in Uttarakhand.

- (i) **Through Departmental selection process-** School education department prepared a seniority list of elementary level teacher across the state on the basis of their academic qualification & ACR. Out of total vacancies of secondary teachers 25% elementary level teachers. In year 2009-10 & 2010-11, 660 teachers are recruited in secondary level.
- (ii) **Through open departmental test-** Department of school education conducted a written test of all eligible elementary teachers to recruit as a secondary level teacher. The eligibility criteria is graduate and B.Ed. with regular teacher in a govt. elementary school. Out of total vacancies of secondary teachers 5% of vacancies filled by their process. In year

2010-11, 290 Teachers are appointed in secondary school through this process.

(iii) **Direct recruitment-** State govt. conducted open recruitment examination for lower grade teachers, which are at least B.Ed. graduates these recruited qualified candidates as fresh secondary level teacher. In the year 2010-11 open written examination conducted with the help of Uttarakhand board of Technical education for 1832 Vacant post selected candidates will be appointed in school at the month of April, 2011.

Principal/Head master of secondary school in 100% promotion post from secondary level teacher. In year 2009-10, 174 and in year 2010-11, 163 teachers are promoted as HM of seven schools. State Govt. decided out sourcing recruitment process for post of office assistant, lab attendant and chaukidar in secondary school. UKSKMSP advertised there post in news papers for outsourcing the agency.

## **Strengthening of SEMIS at State and District Level**

SEMIS plays a vital role in formulation of Annual Plan at District & State Level. The information regarding education is an indicator of development of a State and Nation.

Different type of information is sought from the schools and the teachers are indulge in collecting information. Under the umbrella of Rashtriya Madhyamik Shiksha Abhiyan, Secondary Education Management Information System (SEMIS) is a programme for effective planning of Secondary Education.

As Uttarakhand is Hilly State with difficult geographical terrain. Today only District Head Quarters are connected with broadband connectivity and most of the Block Head Quarters have even don't have dialup connection facility. So it is hard for the next few years that the school will have its own broadband connectivity. Due to far flanged areas where the schools are located, it is difficult to collect the DCF in time and the district authorities have to outsource the data feeding to the plain 03 district Dehradun, Haridwar and Udham Singh Nagar. The Date Entry done by the outsource agency have so many discrepancies, as they don't have any realistic idea about the schools.

So it is better for the small states like Uttarakhand that we do the Data Entry of SEMIS by our own Computer Operators, in the presence of District Co-ordinators (SEMIS).

So the strengthening of SEMIS at district is very essential. At present due to constraints of MMER only one personal at State Level is looking after SEMIS and at the district planning, construction and SEMIS is looking after by only one person.



**Table 6.16 Proposed Manpower at District Level**

<b>S. No.</b>	<b>Item</b>	<b>No.</b>	<b>Unit Rate (@ per Rs.)</b>	<b>Total</b>
1	Manpower (Salary for 12 Months)			
	(a) DRP	13	42000.00	652000.00
	(b) Date Entry Operator	13	10000.00	156000.00
2	Laptop & Printer	13	100000.00	1300000.00
3	Internet/broadband	13	2000.00	26000.00
4	Internet Recurring Cost (12 Months)	13	1000.00	156000.00
5	Training of DEOs, DPOs, DRPs, BEOs & Principals	3300	300.00	990000.00
6	Monitoring of SEMIS	13	100000.00	1300000.00
<b>Total</b>				<b>11884000.00</b>

**Table 6.17 Proposed Manpower at State Level**

<b>S. No.</b>	<b>Item</b>	<b>No.</b>	<b>Unit Rate (@ per Rs.)</b>	<b>Total</b>
1	Printing of DCF	6000	10.00	60000.00
2	Manpower (Salary for 12 Months)			
	Joint Director (SEMIS)	1	68000.00	816000.00
	Assistant Director (SEMIS)	1	50000.00	600000.00
	Assistant Programmer (SEMIS)	1	15000.00	180000.00
	Computer Operator (SEMIS)	1	10000.00	120000.00
	Peon	1	6000.00	72000.00
3	Laptop & Printer (State )	1	100000.00	100000.00
4	Internet/broadband (State)	1	2000.00	2000.00
5	Internet Recurring Cost (12 Months)	1	1000.00	12000.00
6	5% Third Party Checking of SEMIS	200	1500.00	300000.00
7	Monitoring of SEMIS	1	500000.00	500000.00
<b>Total</b>				<b>2762000.00</b>

**Progress:**

The State Level SEMIS Unit has captured the SEMIS for the year 2007-08 & 2011-12. The manpower of RMSA were not at position so the SEMIS activity for above mentioned year were organised through the outsourcing. All District Education Officer & Block Education Officer were trained to fill up the Data Capture Format (DCF). The filled DCF were collected at the District Level and Data Entry was done at a centralised station at State Level by out sourcing.

The State Planning Team participated in the workshop held at National University of Education Planning and Administration (NUEPA) from 4<sup>th</sup> February, 2012 to 5<sup>th</sup> February, 2012 on Institutionalisation of SEMIS at

State and District Level. The online SEMIS is transformed into the offline DISE System. The reporting format were discussed and the discrepancies were noticed. So Uttarakhand organised a 03 days workshop for the removed of discrepancies. The data for SEMIS 2010-11 made corrected through the UDISE Software and the DMP was sent to NUEPA on 03<sup>rd</sup> March, 2012.

On the basis of corrected data of 2010-11 the Annual Plan & Budget for the year 2012-13 for Uttarakhand was prepared.

**Table 6.18 Implementation Schedule for the year 2012-13**

<b>S. No.</b>	<b>Activity</b>	<b>Time</b>	<b>Responsibility</b>	<b>Remark</b>
1	Printing of DCF	01.09.2012	SPO	
2	Training SEMIS	05.09.2012	SPO	DPO & DRP
3	District Level Training	08.09.2012 to	DPO	Principal & BEOs
4	Distribution of DCF	10.09.2012	DPO	
5	Filling of DCF	18.09.2012	Principal of School	
6	DCF collected at Block Level	20.09.2012	BEO	
7	Checking of SEMIS and correction at Block Level	30.09.2012	BEO	Checking of DCF of all schools
8	DCF collected at District Level	03.10.2012	DPO	
9	Checking of DCF at District Level	10.10.2012	DPO	25% Checking of DCF at District Level
10	Checking of DCF at State Level	15.10.2012	SPO	5% Checking of DCF at State Level
11	Data Entry	28.10.2012	DPO	
12	Create DMP File at District Level & send to the SPO	30.10.2012	DPO	
13	Create DMP File at State Level & send to the GOI	05.11.2012	SPO	
14	Reports Generation	10.11.2012	SPO/DPO	
15	Data Sharing of SEMIS at State Level	15.11.2012	SPO	

## **Quality Improvements in Secondary and Higher Secondary Education**

### **Structure, Available Human Resources, Resource Groups**

The Academic, Training and Innovation wing is looking after quality related issues in Secondary Education under RMSA Uttarakhand. At the State level 01 Joint State Project Director and 02 Assistant State Project Directors, are posted in this wing. In all of the 13 districts, 13 DPO's and 13 District Resource Persons (Academic, Training and Innovations) are working for RMSA at district level.

### **State Resource Group (SRG)**

The State Resource Group for Academic, Training and Innovations has also been constituted with 49 odd members at present which meets once a year.

The configuration of the SRG is as under:-

- Invitee from the EdCIL as Observer.
- Representative of SPO, SCERT, SEIMAT & Board of Education.
- Representative of Universities (Higher Education).
- Representative of NGO (specially which is working in education).
- One Representative of DIET (Subject Specialist).
- Teachers/Librarians of KVS nominated by the Asst. Commissioner KVS.
- Retired Educationist.
- Principal of Jawahar Navodaya Vidyalayas.
- Principals/Teachers of Public School
- Subject Teachers from Uttarakhand
- Retired educationists etc.
- Invitee from the Ed.CIL as observer.

The details of the SRG meeting is as under:-

<b>S. No.</b>	<b>Date</b>	<b>No. of members present</b>	<b>Key issues discussed</b>
1	13-14 Dec, 2010	49	Academic, Training and innovation related issues teacher training, head master training, DRG, monitoring, science lab, Math lab, English lab, Arts & Craft activities, Promotion of science, teacher excursion, student excursion, AWP&B interventions for 2011-12 etc.

2	23-24 Feb, 2012 (Once in a year)	33	Academic, Training and innovation related issues teacher training, head master training, DRG, monitoring, science lab, Math lab, English lab, Arts & Craft activities, Promotion of science, teacher excursion, student excursion, Continuous comprehensive evaluation, school gradation. AWP&B interventions for 2011-12, AWP&B interventions for 2012-13
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### **District Resource Group**

All the 13 districts of the State have their respective DRG's which meets once a year at present. It consists of 8 to 12 members.

The general configuration of DRG's is as under:-

- DPO
- DRPs
- DIET faculty members – Subject Specialist.
- Representative of Higher Education.
- NGO Representative which is working in Secondary Education.
- Educationist.
- Resource Persons Pedagogy & RMSA.
- Subject Teachers (Each Subject), specialist of Math, Science, English & Social Studies.
- Retired educationists etc.

The details of the DRG's meeting is as under:-

<b>Number of DRG's meetings</b>	<b>Number of members present</b>	<b>Key issues discussed</b>
Total 13 (1 in each district) from October, 2011 to February, 2012	8 to 13	District level AWP&B, 2012-13, Academic, Training and innovation related issues teacher training, head master training, DRG, monitoring, science lab, Math lab, English lab, Arts & Craft activities, Promotion of science, teacher excursion, student excursion, AWP&B interventions for 2011-12 etc.

### **Proposal for SRG/DRG meetings**

An amount of Rs. 3.60 lakh would be required to conduct SRG and DRG meetings.

## Financial Requirement

The details are:-

S.No.	SRG/DRG meetings	Physical (No. of meetings)	Unit cost (in lakh)	Total Amount (in lakh)	Key issues
1	SRG meeting	01	1.00	1.00	Implementation of District level AWP&B 2012-13, Academic, Training and innovation related issues teacher training, head master training, DRG, monitoring, Arts & Craft activities, Promotion of science, teacher excursion, student excursion, AWP&B interventions for 2013-14 etc.
2	DRG meetings	13(in each of the districts)	0.20	2.60	Implementation of District level AWP&B 2012-13, Academic, Training and innovation related issues teacher training, head master training, DRG, monitoring, Arts & Craft activities, Promotion of science, teacher excursion, student excursion, AWP&B interventions for 2013-14 etc.
<b>Grand Total</b>			<b>--</b>	<b>3.60</b>	

## Board Results

The comparative board results of class X is shown below:-

### Comparative Board Results

Year	Students	Pass	Pass percentage
2007	168391	83236	49.43
2008	169370	104267	61.56
2009	173062	108098	62.46
2010	177060	116608	65.85
2011	174976	119243	68.14

Achievement of Students based on merit and distinction is shown below:-

Details	Year				
	2007	2008	2009	2010	2011
Distinction	738	1621	1117	1883	2426
Percentage	0.89	1.55	1.03	1.62	2.09
First Division	7986	18503	11812	16619	19033
Percentage	9.59	17.75	10.93	14.25	15.26
Second Division	50119	64767	68677	67888	68492
Percentage	60.21	62.12	63.53	58.22	57.44
Third Division	23871	18873	26460	30183	29181
Percentage	28.68	18.10	24.48	25.88	24.47

### Subject wise Board Results

The subject wise board results for class X in the year 2011 is shown below:-

Subjects	Passed Boys	Pass percentage	Passed Girls	Pass percentage	Total	Pass percentage
Hindi	86808	91.44	73782	92.23	160590	91.80
English	63772	77.05	44407	84.19	108179	79.83
Math	63646	67.05	11861	90.21	75507	69.86
Science	82894	87.31	71083	81.16	153977	88.02
Social Science	84055	88.54	71345	89.18	155400	88.83

### Training: Teacher Training, New Teacher Training and Head Teacher/Principal Training

#### Teacher Training

In the beginning years of RMSA, training activity could not be taken up in the year **2009-10**, however an amount of Rs. 35.02 Lakh was sanctioned by the MHRD for the training on RMSA sensitization for 3502 teachers (1 Head Teacher and 1 Teacher from each of the Schools).

In the year **2010-11**, **3544** teachers (1Head Teacher and 1 Teacher from each of the Schools) were trained on RMSA sensitization pertaining to the sanction of 3502 teachers training in the financial year 2009-10. In addition to this a total of **257**

teachers were trained to be developed as Key Resource Persons and District level Master Trainers for core subjects. Seven modules were developed for 7 core subjects towards the targeted number of 17264 during this year viz. Maths, English, Science, Social Science, Hindi, Sanskrit and Physical Education. These were printed too in the year 2010-11.

In the year **2011-12**, a total number of 14260 teacher's training was sanctioned by the MHRD for 7 subjects. A total number of **7900** secondary school teachers are trained till now which include 545 teachers from the aided schools. These teachers are being trained in **four subjects** viz. 1794 in English, 2096 in Mathematics, 1504 in Science and 2506 in Social Science. In addition to this **207 MTs** are also being developed for two subject's viz. Science and Social Science. Thus the total number of teachers trained are **8107**.

The details are:-

Status of Untrained Teacher						
State Name	Total No. of Government Secondary School (Schools having Class IX & X including Higher Secondary Schools)	Total teachers	Untrained teachers	Total No. of Aided Secondary School (Schools having Class IX & X including Higher Secondary Schools)	Total teachers	Untrained teachers
		Government			Aided	
Uttarakhand	1819	14260	--	329	2558	370

Status of In-service Training of Teachers (2010-11)					
State Name	Total No. of Government Secondary School (Schools having Class IX & X including Higher Secondary Schools)	Total No. of Teachers In Position in Government Secondary Schools (Schools having Class IX & X including Higher Secondary Schools)	Total Number of Government Teachers who underwent In-service Training in 2010-11	Total No. of Aided Secondary School (Schools having Class IX & X including Higher Secondary Schools)	Total Number of Government Teachers who underwent In-service Training in 2010-11
Uttarakhand	1761	17264	A. 257 B. 3544 (Sanctioned in financial year 2009-10 and Trained in 2010-11)	329	Nil

### Status of In-service Training of Teachers (2011-12)

State Name	Total No. of Government Secondary School (Schools having Class IX & X including Higher Secondary Schools)	Total No. of Teachers In Position in Government Secondary Schools (Schools having Class IX & X including Higher Secondary Schools)	Total Number of Government Teachers who underwent In-service Training in 2011-12	Total No. of Aided Secondary School (Schools having Class IX & X including Higher Secondary Schools)	Total Number of Government Teachers who underwent In-service Training in 2011-12
Uttarakhand	1807	14260	7355	329	545

Progress Overview of Professional Development of Teachers (2010-11)*												
S. No	Activity	Programme Description	Total No. of Participants		Duration of Programme	Target Group	Resource Persons/ Groups	Date	Total Budget(Rs. In Lakh)			
			Government (if applicable)	Aided (if applicable)					Unit cost	Phy.	Fin.	
1	<b>Workshops for Module Development (Provide details of each workshop for module development)</b>											
1.1	Workshop A	WS on training Strategy for English with British Council of India	10	--	01 day	--	SCERT faculty and BCI consultants	19-08-2010	--	--	--	1. Corresponding to sanction in financial year 2009-10 2. Expense booked in training at 4.1
1.2	Workshop B	Module Development on RMSA sensitization	5	--	05 days	--	SCERT faculty	27-09-2010 to 01-10-2010	--	--	--	1. Corresponding to sanction in financial year 2009-10 2. Expense booked in training at 4.1
1.3	Workshop C	Scrutiny of Module on RMSA sensitization	19	--	01 day	--	SCERT faculty and Secondary School Teachers	8/10/2010	--	--	--	1. Corresponding to sanction in financial year 2009-10 2. Expense booked in training at 4.1
1.4	Workshop D	Module Development on Mathematics	9	--	05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	
1.5	Workshop E	Module Development on English	11	--	05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	
1.6	Workshop F	Module Development on Hindi	4	--	5 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	



1.7	Workshop G	Module Development on Sanskrit	7	--	5 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	
1.8	Workshop H	Module Development on Science	11	--	5 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	
1.9	Workshop I	Module Development on Social Science	10	--	5 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	
1.10	Workshop J	Module Development on Physical Education	11	--	5 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	
2	<b>Workshop for Orientation of Key Resource Persons</b>											
2.1	Workshop A	Orientation of KRPs on RMSA sensitization	5	--	05 days	Secondary School Teachers	SCERT faculty	27-09-2010 to 01-10-2010	--	--	--	1. WS 1.2 and WS 2.1 were organized simultaneously. 2. Expense booked in training at 4.1
2.2	Workshop B	Orientation of KRPs on Mathematics	9		05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	WS 1.4 and WS 2.2 were organized simultaneously.
2.3	Workshop C	Orientation of KRPs on English	11		05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	WS 1.5 and WS 2.3 were organized simultaneously.
2.4	Workshop D	Orientation of KRPs on Hindi	4		05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	WS 1.6 and WS 2.4 were organized simultaneously.
2.5	Workshop E	Orientation of KRPs on Sanskrit	7		05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	WS 1.7 and WS 2.5 were organized simultaneously.
2.6	Workshop F	Orientation of KRPs on Science	11		05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	WS 1.8 and WS 2.6 were organized simultaneously.
2.7	Workshop G	Orientation of KRPs on Social Science	10		05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	WS 1.9 and WS 2.7 were organized simultaneously.

2.8	Workshop H	Orientation of KRPs on Physical Education	11		05 days	Secondary School Teachers	SCERT faculty	18-01-2011 to 22-01-2011	--	--	--	WS 1.10 and WS 2.8 were organized simultaneously
3	<b>Training of Trainers</b>											
3.1	Training A	MTs development on District level for RMSA sensitization	40 (Garhwal Mandal)	*	05 days	Secondary School Teachers	KRPs	8-11-2010 to 12-11-2010	--	--	--	
3.2	Training B	MTs development on District level for RMSA sensitization	46 (Kumaon Mandal)	*	05days	Secondary School Teachers	KRPs	15-11-2010 to 19-11-2010	--	--	--	
3.3	Training C	MTs development on District level for Mathematics	97	*	05days	Secondary School Teachers	KRPs	27-01-2011 to 31-01-2011	--	--	--	
3.4	Training D	MTs development on District level for English	97	*	05days	Secondary School Teachers	KRPs	01-02-2011 to 05-02-2011	--	--	--	
4	<b>In-service Training (Provide the details of each training conducted)</b>											
4.1	Training A	Training on RMSA sensitization to one Head Teacher and one Teacher	3544 (including aided)*		05 days	Secondary School one Head Teacher and one Teacher	MTs	18-12-2010 to 21-01-2011 (in three phases)	0.05	34	34	1. Corresponding to sanction in financial year 2009-10 2. All expenses incurred on WS 1.1, 1.2, 1.3, 2.1 and Training 4.1 are included and shown here
<b>Note:- A sum of Rs. 9,97,254.00(Nine Lakh Ninety Seven Thousand Two Hundred and Fifty Four) was spent on subject wise Module Development (WS 1.4 to 1.10), Orientation of Subject wise KRPs (WS 2.2 to 2.8) subject wise Training of Trainers (3.1 to 3.4), Tender for Printing Modules and Module Printing.</b>												

<b>Progress Overview of Professional Development of Teachers (2011-12)*</b>												
S. No	Activity	Programme Description	Total No. of Participants		Duration of Programme	Target Group	Resource Persons / Groups	Date	Total Budget (Rs. In Lakh)			
			Government (if applicable)	Aided (if applicable)					Unit cost	Phy.	Fin.	
1	<b>Workshops for Module Development (Provide details of each workshop for module development)</b>											
1.1	Workshop A	New Teacher Training Module Development	15	--	05 Days	Secondary School Teacher	SCERT Faculty	28-11-2011 to 2-12-2012	0.015	15	2.25	

2													Workshop for Orientation of Key Resource Persons												
2.1	Workshop A	Orientation of KRPs for New Teacher Training Module	15	--	05 Days	Secondary School Teacher	SCERT Faculty	28-11-2011 to 2-12-2012	--	--	--	WS 1.1 and WS 2.1 were organized simultaneously.													
3													Training of Trainers												
3.1	Training A	MTs development on district level for Science	100	--	05 Days	Secondary School Teacher	KRPs	16-05-2011 to 20-05-2011	--	--	--	Expenditure booked in training at 4.3													
3.2	Training B	MTs development on district level for Social Science	107	--	05 Days	Secondary School Teacher	KRPs	13-12-2011 to 17-12-2011	--	--	--	Expenditure booked in training at 4.4													
4													In-service Training (Provide the details of each training conducted)												
4.1	Training A	English Training for In-service Teachers	1794 (Including aided)		05 days	Secondary School teachers	KRPs	16-08-2011 to 09-09-2011 (in four phases)	0.015	2229	33.44														
4.2	Training B	Mathematics Training for In-service Teachers	2096 (Including aided)		05 days	Secondary School teachers	KRPs	19-09-2011 to 22-10-2011 (in three phases)	0.015	2658	39.87														
4.3	Training C	Science Training for In-service Teachers	1504 (Including aided)		05 days	Secondary School teachers	KRPs	14-11-2011 to 25-11-2011 (in two phases)	0.015	1917	28.76	Expenses incurred at WS 3.1 is included and shown here													
4.4	Training D	Social Science Training for In-service Teachers	2506 (Including aided)		05 days	Secondary School teachers	KRPs	7-02-2012 to 25-02-2012 (in three phases)	0.015	3440	51.6	Expenses incurred at WS 3.2 is included and shown here													

The cumulative progress in this regard is as under:-

Intervention	Year	Physical Target	Achieved Target	Budget		Remarks
				Released by GoI in lakhs	Released by SPO in lakhs	
Teacher training	2009-10	3502	-	35.02	35.02	-
	2010-11	17264	(257+3544)	195.92	09.583	3544 trained pertaining to sanctioned in 2009-10
	2011-12	14260	8107	213.90	153.67	
New Teacher Training	2009-10	-	-	-	-	
	2010-11	648	-	06.48	-	
	2011-12	567	15	08.50	08.50	Module under print

### **Methodology, Contents, Cascade Model, Selection of KRPs, MTs, Venues, Time Indications**

The training programme were based on Training Need Analysis being carried out in the beginning by Key Resource Person of SCERT in association with SPD office. The key contents and processes identified are NCF 2005 expectations, CBSE pattern in the state, Constructing knowledge, Aims , Nature of the Subjects, Pedagogic processes, Facilitation processes, Identification of learning areas that demand special attention in the subject, Subject specific interventions, Issues related to evaluation in the concerned subjects etc. Accordingly, modules were developed and after scrutiny got printed.

The Cascade Model of training was adopted to cover the large number of trainees in the State which are distributed over 13 districts in 95 blocks. Key Resource Persons develop the district level Master Trainers which in turn impart in-service training to the secondary school teachers. These trainings are imparted at 53 training venues simultaneously. Thus decentralization of training facilitates reduction in opportunity cost for the teachers concerned. Moreover it reduces the general cost of training.

The duration of each training batch is of **05 days** which is in consonance with the RMSA norms. Time table used in these trainings is as follows:-

DAY/ TIME	10:00am-11.30am	11:30am-1:00pm	1:30pm- 3:00pm	3:00pm-4:00pm	4:00pm-5:00pm
ONE	Introduction, Expectations Apprehensions	NCF 2005 expectations	L U N C H	CBSE pattern in the state	Aims , Nature of the Subject
TWO	Constructing knowledge	Pedagogic processes		Discussion on the Subject specific book	Identification of learning areas that demand special attention in the subject
THREE	Classroom treatment of learning areas that demand special attention in the subject/ Subject specific interventions	Classroom treatment of learning areas that demand special attention in the subject/ Subject specific interventions		Classroom treatment of learning areas that demand special attention in the subject/ Subject specific interventions	Classroom treatment of learning areas that demand special attention in the subject/ Subject specific interventions
FOUR	Classroom treatment of learning areas that demand special attention in the subject/ Subject specific interventions	Classroom treatment of learning areas that demand special attention in the subject/ Subject specific interventions		Issues of evaluation in the concerned subjects	Issues of evaluation in the concerned subjects
FIVE	Subject teaching improvement plan	Subject teaching improvement plan		Summarizing, Report Reading	Feedback, Valediction

## Monitoring

Monitoring and evaluation of these trainings are being done to ensure the quality of trainings and find out the impact. A standard monitoring tool is being used for the purpose. Monitoring teams or officers are being deployed by the SCERT at State level, comprising SCERT officers, SCERT lecturers, RMSA cell members of SCERT and SPO officials. At the District and Block level DPOs, DRPs and BEOs carryout the monitoring.

All the monitoring reports are being collected and analyzed at SCERT which is the key agency for monitoring of the training in Uttarakhand. The general findings of these monitoring reports indicate that the trainings are carried out within the stipulated time frame. All the expected contents are discussed with the participants. The sessions are run in participatory ways. The training methods adopted in the teacher trainings are based on adult learning principles (andragogy) suitable to the adult trainees. It focuses on the use of the methods which involve participants and seek their contributions. Discussions, presentations, demonstrations etc. are frequently used in

the training rooms. However the lack of appropriate and equipped training venues affect the quality of the trainings.

### **Proposal for Teacher Training**

English, Science, Social Study and Mathematics teachers were trained by RMSA Uttarakhand in the year 2011-12 but the remaining 4072 teachers pertaining to three subjects viz. Hindi (2371), Sanskrit (479) and Physical Education (1232) were not trained in this year. So, these teachers are proposed to be trained this year. The modules for these three subjects are already prepared and printed. The KRP's are already been developed. The duration of the training would be of 05 days.

### **Financial Requirement**

An amount of **Rs. 61.24 lakh** will be required for this activity.

The details are:-

<b>Subjects</b>	<b>Physical (No. of teachers)</b>	<b>Unit cost (in lakh)</b>	<b>Total Cost (in lakh)</b>
Hindi	2371	00.015	35.56
Physical Education	1232	00.015	18.48
Sanskrit	479	00.015	07.1
<b>Total</b>	<b>4072</b>	<b>00.015</b>	<b>61.23</b>

In addition to this above subject specific trainings, "**Training for Capacity Building of Teachers**" is proposed for the year 2012-13. A TNA format has been circulated to the schools to find out the generic training requirements of the teachers. The feedback received from the teachers who have undergone subject specific training have also highlighted the need of a generic capacity building training to be imparted to the teachers. Based on this feedback **the key themes** of this capacity building may include NCF 2005; Child centered pedagogy, CWSN, RTE, Blue print of question papers, continuous comprehensive evaluation, Teacher motivation and key initiatives under RMSA etc.

A workshop for TNA and module development will be conducted to finalize the module. The SCERT faculty and selected MTs, Board Personnel will be the KRPs for

this who would evolve uniform process in a workshop. They in turn will develop MTs in cascade model. MTs will impart training to the teachers.

<b>District</b>	<b>Number of Govt. Teachers</b>	<b>Number of Aided Teachers</b>	<b>MT &amp; KRP</b>	<b>Total</b>
Almora	1370	128	112	1610
Bageshwar	363	58	25	446
Chamoli	1314	89	38	1441
Champawat	476	06	51	533
Dehradun	1116	403	94	1613
Haridwar	349	145	30	524
Nainital	1270	141	94	1505
Pauri	1926	325	84	2335
Pithoragarh	1331	56	18	1405
Rudraprayag	869	-	39	908
Tehri	1816	55	98	1969
U.S. Nagar	816	219	27	1062
Uttarkashi	737	-	40	777
<b>Total</b>	<b>13753</b>	<b>1625</b>	<b>750</b>	<b>16128</b>

This training would be imparted at 57 training venues-

<b>District</b>	<b>Number of training venues</b>
Almora	05
Bageshwar	03
Chamoli	05
Champawat	03
Dehradun	06
Haridwar	01
Nainital	05
Pauri	07
Pithoragarh	06
Rudraprayag	03
Tehri	07
U.S. Nagar	03
Uttarkashi	03
<b>Total</b>	<b>57</b>

### **Financial Requirement**

An amount of **Rs. 263.83 lakhs** will be needed for this capacity building of **11167** number of secondary school teachers.

The details are:-

S.No.	Activity	Physical	Unit Cost (in lakh)	Total Cost (in lakh)
1	Module development workshop for teachers training, New teacher training lab attendant & office assistant training including printing (05 days)	29905	0.001	21.91
2	Training of KRPs (05 days)	750	0.015	11.25
3	Training of MTs, 6 MTs per training venue	-	0.015	5.130
4	In-service training of teachers on Capacity Building (05 days)	15378	0.015	230.67
<b>Total</b>		<b>24033</b>	<b>--</b>	<b>263.83</b>

### **New Teacher Training**

A total number of 567 new teachers training was sanctioned in the year 2011-12. A total number of 15 KRPs are being developed. The new teacher training module is also being developed and is currently under print. The key themes are Administrative structure of school education, RMSA, NCF 2005, RTE 2009, NTSE, National merit cum means scholarships, Pedagogy, Guidance and Counseling, CCE etc. The sanctioned amount of Rs. 8.50 lakh has already been released to the SCERT.

The State Government has recruited **1618 new teachers** in the secondary schools of the State recently. These teachers are proposed to be trained this year. The duration of the training would be of **10 days**. The SCERT will be the nodal agency for this. The already existing 05 days module will be modified and enlarged as per the needs of these newly recruited teachers. SCERT will develop the training module and KRPs. KRPs will develop the MTs Thus 78 MT/KRP will be trained by SCERT. The MTs will impart training to the newly recruited teachers at DIET/DRC/BRC level.

### **Financial Requirement**

An amount of **Rs. 50.88 lakh** would be required for this activity.



The details are given below:-

<b>Physical</b>	<b>Unit cost (in lakh)</b>	<b>Total amount (in lakh)</b>
New Teacher 1618	0.03 (Rs. 300x10 days)	48.54
MT/KRP 78	0.03 (Rs. 300x10 Days)	2.34

### **Head Teacher/Principals Training**

SIEMAT is the designated institution for conducting Head Teacher/Principals training in the State. A total number of 1772 head teachers were trained on RMSA Sensitization in 2010-11 corresponding to the sanction in 2009-10.

A total number of 2169 head teachers were trained in year 2010-11 towards the target of 2195 on School Management. The number includes the MTs also.

In 2011-12 the total numbers of 29 Head Teachers are being developed as MTs for training on Educational leadership and Management towards the target of 2149.

### **Methodology, Contents, Cascade Model, Venues, Monitoring and Time Indications**

The training programmes were based on Training Need Analysis being carried out by the Key Resource Persons of SIEMAT in association with SPD office. The key contents and processes identified are RMSA interventions, NCF 2005, school monitoring and observation, educational planning, SEMIS, school development plan, upkeep of funds under RMSA, comprehensive and continuous evaluation, educational tours, inclusive education, library in schools, projects, science and mathematics laboratory, art and cultural education, training skills etc. Accordingly, modules were developed and after scrutiny got printed.

The Cascade Model of training was adopted to cover the large number of Head Teachers in the State which are distributed over 13 districts in 95 blocks. Key Resource Persons develop the district level Master Trainers which in turn impart training to the Head Teachers of secondary schools. These trainings are imparted at 53 training venues simultaneously. Thus decentralization of training facilitates reduction in opportunity cost for the Head Teachers concerned. Moreover it reduces the general

cost of training. The monitoring is being done as per a standard monitoring tool by the SIEMAT.

The duration of each training batch is of **05 days** which is in consonance with the RMSA norms. Time table used in these trainings is as follows:-

DAY/ TIME	10:00am-11.30am	11:30am- 1:00pm	1:30pm- 3:00pm	3:00pm-4:00pm	4:00pm-5:00pm
ONE	Introduction, Expectations Apprehensions	NCF 2005 expectations	L U N C H	RMSA interventions	Training skills
TWO	Educational planning	SEMIS		School Development Plan	Upkeep of funds under RMSA
THREE	CCE	Educational Tours		Inclusive Education	Library in schools
FOUR	RMSA and others centrally sponsored schemes	Project method		Science and mathematics laboratory	Art and cultural education
FIVE	School monitoring and observations	Action plan for training		Summarizing, Report Reading	Feedback, Valediction

The cumulative progress in this regard is as under:-

Intervention	Year	Physical Target	Achieved Target	Budget		Remarks
				Released by GoI in lakhs	Released by SPO in lakhs	
Head Teacher Training	2009-10	-	1772	-	-	1 teacher and 1 principal was sensitized in teacher training
	2010-11	2195	2169	21.95	21.95	-
	2011-12	2149	30	32.235	32.235	Module printed, training in progress

### Constraints and Issues for Teacher Training

Several road blocks are also faced by RMSA Uttarakhand in carrying out training interventions:-

- The gigantic number of trainees is one of the major problems to achieve the training target.
- Lack of well equipped training venues at State, District, Block and Cluster level dedicated to RMSA proves to be a hurdle in ensuring quality in the training. There needs to be a training room, a mess and a separate hostel facility (dormitory etc.) for male and female teachers with separate toilet facilities for male and female trainees at each of the training venues.

- A separate provision of honorarium for KRPs and MTs will motivate the trainers to contribute.
- Delay in release of grant by MHRD affects the training targets.
- Engagements of teachers in general elections, half yearly examinations, annual examinations and evaluation works affect the training targets.
- Secondary level Teacher Training Institution at the District level is also required.

### **Proposal for Management Training to Head Teacher/Principals**

This year management training for **496** number of Head Teacher/Principals of secondary schools is proposed to be carried out. An amount of **Rs. 148.8 Lakhs** would be required for this activity.

The SPO is in negotiation with National Institute of Administrative Research, LBSNAA, Mussoorie, Indian Institute of Management, Kashipur (Uttarakhand), Uttarakhand Academy of Administration, Nainital and SIEMAT, Uttarakhand, Dehradun for the proposed training of 14 days.

The thrust areas for this training would be educational leadership, educational planning and administration, school management, financial regulations and soft skills. This training will be given to the Head Teacher and Principals who are holding the full fledged posts. The care is also taken that the Principals who are under 58 years would only be considered for this training. So that their services could be taken for a longer period of time. Initially these institutes have shown inclination on telephone to collaborate for this management training. A letter has already been circulated to these institutes to submit the proposal in this regard.

#### **Financial Requirement**

An amount of Rs.148.8 Lakhs would be required for this activity.

The detail of the above training is as under:-

S.No.	Name of the district	Number of Principals	Unit cost in lakhs	Total Cost in lakhs
1	Almora	90	0.30	27.00
2	Bageshwar	30	0.30	9.00
3	Chamoli	27	0.30	8.1
4	Champawat	30	0.30	9.00
5	Dehradun	30	0.30	9.00
6	Haridwar	25	0.30	7.5
7	Nainital	20	0.30	6.00
8	Pauri	60	0.30	18.00
9	Pithoragarh	40	0.30	12.00
10	Rudraprayag	30	0.30	9.00
11	Tehri	60	0.30	18.00
12	U.S. Nagar	30	0.30	9.00
13	Uttarkashi	24	0.30	7.2
<b>Total</b>		<b>496</b>	<b>0.30</b>	<b>148.8</b>

### **Constraints and Issues for Management Training for Principals**

The unit cost of Rs. 30,000 for management training of Principals is quiet low. The general course fee for IIMs would be around Rs. 80,000 to Rs. 100,000 per person. Senior Consultant, NIAR, LBSNAA, Mussoorie has submitted the proposal for 10 days training @ Rs. 27500.00 per participant excluding TA & DA etc. NIAR, LBSNAA, Mussoorie has also proposed to conduct the training for 15 days @ Rs. 38750.00 per participant excluding TA & DA etc. The proposal in this regard from IIM And ATI Nainital is awaited.

### **Proposals for Training of Laboratory Assistants**

A total number of 1989 Lab Assistants are posted in secondary schools under RMSA in the state. All of these 1989 Lab Assistant are proposed to be trained in the year 2012-13.

These Lab Assistants will be trained in the areas concerning upkeep of lab and lab equipments, lab inventory management, assisting experiments, prevention of accidents in laboratory and first aid etc. The training would be of 05 days per batch.

SCERT faculty, experienced lectures of science and mathematics related subjects will be associated in carrying out TNA and module development. They will also work as KRPs. The training will be carried out in cascade model. KRPs will develop MTs who would be selected lecturers/asst. teachers in the concerned subjects.

The training will be carried out at the block level and DIET Principals will be the responsible Nodal Officer at district level. However in the district where the number of participants is less than 100 the training would be carried out at the respective DIETs.

### Financial Requirement

An amount of **Rs. 28.48 Lakhs** would be required for this.

The details are:-

S.No.	Name of the district	No. of Lab Asst.	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	233	0.015	3.34
2	Bageshwar	84	0.015	1.26
3	Chamoli	188	0.015	2.82
4	Champawat	85	0.015	1.28
5	Dehradun	157	0.015	2.36
6	Haridwar	57	0.015	.86
7	Nainital	166	0.015	2.49
8	Pauri	273	0.015	4.09
9	Pithoragarh	198	0.015	3.00
10	Rudraprayag	104	0.015	1.56
11	Tehri	227	0.015	3.41
12	U.S. Nagar	114	0.015	1.71
13	Uttarkashi	113	0.015	1.70
<b>Total</b>		<b>1989</b>	<b>0.015</b>	<b>29.84</b>

### Proposals for Training of Office/Library Assistants

A total number of 1941 Office/Library Assistants are posted in secondary schools under RMSA in the state. All of these 1941 Office/Library Assistant are proposed to be trained in the year 2012-13.

These Assistants will be trained in the areas concerning upkeep of office and library records, office and library management, office and secretarial work, official correspondence, financial provisions under RMSA etc. The training would be of 05 days per batch.

SCERT will be the Nodal Agency for this training. The TNA, module development and the development of KRPs will be done by the SCERT taking assistance from the librarians of KVS/RJNV/JLNV and the district librarians of the State in the area of library management. SCERT will involve Administrative

Officers/Finance Officers/Account Officers of the Directorate of Education Uttarakhand and SPO, RMSA in the areas of office management. These KRPs will develop the MTs at district level at the same pattern involving district librarians and district level Administrative Officers/Finance Officers/Account Officers etc. The training will be carried out preferably at the DIETs and the DIETs Principals will be the responsible Nodal Officers at district level. However in the district where the number of participants is more than 100 the training would be carried out at the block level.

### Financial Requirement

An amount of **Rs. 29.12** would be required for this.

The details are:-

	Name of the district	No. of Office/Library Asst.	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	223	0.015	3.35
2	Bageshwar	84	0.015	1.26
3	Chamoli	156	0.015	2.34
4	Champawat	86	0.015	1.29
5	Dehradun	157	0.015	2.36
6	Haridwar	57	0.015	.86
7	Nainital	166	0.015	2.49
8	Pauri	295	0.015	4.43
9	Pithoragarh	195	0.015	2.93
10	Rudraprayag	104	0.015	1.56
11	Tehri	227	0.015	3.41
12	U.S. Nagar	144	0.015	1.71
13	Uttarkashi	77	0.015	1.16
<b>Total</b>		<b>1941</b>	<b>0.015</b>	<b>29.12</b>

### Study Tour for Teachers

Study tour for teachers was conducted for 660 teachers of the State towards the sanction of 1918 persons in the year 2011-12. These teachers were taken to the places like **IIT Bombay** (Maths Teachers-295), **Central University for English and Foreign Languages, Hyderabad** (English Teachers-242) and **Sports Authority of India, Bhopal** (Physical Education Teachers-123).

The teachers were **selected on the basis of their performance** in the board exams of class X in last three preceding years. The President/Governor awarded teachers were also given preference.

The study tour was composed of workshop on the related subject and of the excursion part. **The ratio of academic input to excursion was kept around 60:40.** These tours were organized in **9 batches** with a nodal officer being deployed as an in charge of the batch. The teachers who went on the study tour were directed to maintain a tour diary in which they were supposed to record key points regarding the systems, processes and approaches adopted by these Institutes which make them different from other. Majority of the participating teachers reported these tours as useful in improving their classroom processes also.

A total amount of **Rs. 68.00 lakh** has been spent towards the sanction of **Rs. 191.80 lakh.**

The details are:-

Approved			Achieved			Remarks
Physical	Unit Cost (in lakh)	Total Cost (In lakh)	Physical	Unit Cost (in lakh)	Total Cost (In lakh)	
1918	0.10	191.80	660 (680 *)	0.10	68.10	*Money was released to the concerned Institutions for <b>680</b> teachers in 3 subjects as per the GOI sanction but <b>20</b> teachers were absent on account of illness and other reasons at the last moment so the fees etc. in this regard has been forfeited by the Institutions.

### **Proposal for Study Tour for Teachers outside the State**

This year it is visualized that the capacity of the districts in organizing the study tour should also be developed. These tours will be organized to expose the teachers to best practices of the other States. These outside the State tours will be organized by the districts for the teachers of Social Science, Science and Hindi. It would be appropriate to mention here that last year the excursions were organized for the teachers of Mathematics, English and Physical Education. These tours will be taken to the places like Indian Institute of Science Bangalore, Science City Kapoorthala,

National Botanical Garden, Shanti Niketan, Kolkata, BHU Varanasi, Bhasa Sansthan, Varanasi, Pink City, NCERT, JNU, IIT Bombay, CEFLU Hyderabad etc. It will also give a chance to the participating teachers to identify the systems, processes and approaches adopted by these institutes which make them different from others. The teachers may also imbibe the good practices adopted by these Institutions in their respective classrooms. The teachers will also submit a tour report and its utility in their teaching process.

These teachers will be selected on the basis of their performance in the board exams of class Xth in last three proceeding years. The President/Governor awarded teachers will also be given preference. The KRPs, MTs and the SCERT personnel associated with the teacher training under RMSA will also be considered for these tours.

### **Financial Requirement**

An amount of **Rs. 209.2 Lakh** would be required for the study tour of 1053 teachers.

The districts would be organizing these tours as per the details given below:-

<b>S.No.</b>	<b>Name of the district</b>	<b>Physical</b>	<b>Unit cost in lakhs</b>	<b>Total Cost in lakhs</b>
1	Almora	26	0.20	5.20
2	Bageshwar	60	0.20	12.00
3	Chamoli	90	0.20	18.00
4	Champawat	50	0.20	10.00
5	Dehradun	120	0.20	24.00
6	Haridwar	90	0.20	18.00
7	Nainital	105	0.20	11.00
8	Pauri	240	0.20	48.00
9	Pithoragarh	54	0.20	10.00
10	Rudraprayag	33	0.20	6.6
11	Tehri	98	0.20	19.6
12	U.S. Nagar	60	0.20	12.00
13	Uttarkashi	20	0.20	4.00
<b>Total</b>		<b>1046</b>	<b>0.20</b>	<b>209.2</b>

### **Proposal for Study Tour for Teachers within the State**

Study tours for teachers within the State will also be organized to expose them to best practices within the State. These within the State tours will be organized by the districts for the teachers of Social Science, Science and Hindi. It would be appropriate



to mention here that last year the excursions were organized for the teachers of Mathematics, English and Physical Education. This tour will be taken to the places like National Planetarium, Nainital, St. Joseph's college, Nainital, Doon School, Dehradun, Kendriya Vidyalaya, Lensdown, Jim Corbett national park, Ramnagar, Survey of India, Dehradun etc. It will also give chance to the participating teachers to identify the systems, processes and approaches adopted by these Institutes which make them different from others. The teachers may also imbibe the good practices adopted by these Institutions in their respective classrooms. The teachers will also submit a tour report and its utility in their teaching process.

The teachers will be selected on the basis of their performance in the board results of class X in preceding three years. The President awardees and the Governor awarded teacher will also be included in the list. The KRPs, MTs and the SCERT personnel associated with the teacher training under RMSA will also be considered for these tours.

### **Financial Requirement**

An amount of **Rs. 39.62 lakh** \*\*would be required for the study tour of 2122 teachers.

The districts would be organizing these tours as per the details given below:-

<b>S.No.</b>	<b>Name of the district</b>	<b>Physical</b>	<b>Unit cost in lakhs</b>	<b>Total Cost in lakhs</b>
1	Almora	36	0.02	0.72
2	Bageshwar	90	0.02	1.80
3	Chamoli	150	0.02	3.00
4	Champawat	100	0.02	2.00
5	Dehradun	280	0.02	5.6
6	Haridwar	120	0.02	2.4
7	Nainital	175	0.02	3.5
8	Pauri	240	0.02	4.8
9	Pithoragarh	100	0.02	2.00
10	Rudraprayag	120	0.02	2.40
11	Tehri	450	0.02	9.00
12	U.S. Nagar	120	0.02	2.40
13	Uttarkashi	--	0.02	--
<b>Total</b>		<b>1981</b>	<b>0.02</b>	<b>39.62</b>

## **Excursion trip for Students**

### **Status, School, Excursion Committee, Areas of Excursion, Guidelines**

A total number of **94781 students** were taken to the excursion trip within the State towards the target of 95182 in the year 2011-12.

A guideline for student excursion is provided to each of the school to carry out the excursion. In the guideline a provision for a three member school excursion committee was made. This committee consisted of Principal as ahead and one male and one female teacher. It was also provided that the SMDC will endorse the proposal of Student Excursion mooted out by the school excursion committee. Whole of the excursion batch would be divided into small groups having a student as a head boy or girl. The ratio to the students to the teachers would be kept to 20:1. It was also made necessary to have the consent letter of the concern guardians. Each of the students was supposed to maintain an excursion diary in which she is supposed to write down the main learning derived out of the excursion. Proper guidelines were also given about the hiring of the vehicles, maintaining a first aid kit, preparing a route chart and communicating it to the students and guardians along with important phone numbers.

The excursion included the places related to environmental education, local handicrafts and markets, industrial institutes, national forest and sanctuaries, theatre and art institutions, science lab, planetarium, historical places, public offices like SDM office, BDO office etc.

The students who participated in the excursion have given enthusiastic account of their learning due to the excursion. Perhaps it is for the first time that the students were exposed to the public offices like SDM, BDO, Post offices and banks etc. where in fact they have to interact after passing out from the schools in their daily day to day life.

The details of the student excursion are:-

S.No.	Name of the district	Sanctioned			Utilized		
		Physical	Unit cost in lakhs	Total Amount (in lakhs)	Physical	Unit cost in lakhs	Total Amount (in lakhs)
1	Almora	10218	0.002	20.44	10145	0.002	20.28
2	Bageshwar	3895	0.002	7.79	3895	0.002	7.79
3	Chamoli	7447	0.002	14.89	7447	0.002	14.89
4	Champawat	3636	0.002	7.27	3637	0.002	7.27
5	Dehradun	8070	0.002	16.14	8070	0.002	16.14
6	Haridwar	3197	0.002	6.39	3198	0.002	6.39
7	Nainital	9624	0.002	19.25	9624	0.002	19.25
8	Pauri	9519	0.002	19.04	9188	0.002	18.38
9	Pithoragarh	7630	0.002	15.26	7630	0.002	15.26
10	Rudraprayag	4676	0.002	9.35	4676	0.002	9.35
11	Tehri	11432	0.002	22.86	11432	0.002	22.86
12	U.S. Nagar	10052	0.002	20.10	10052	0.002	20.10
13	Uttarkashi	5787	0.002	11.57	5787	0.002	11.57
<b>Total</b>		<b>95182</b>	<b>0.002</b>	<b>190.36</b>	<b>94781</b>	<b>0.002</b>	<b>189.54</b>

### Proposal for the student excursion within the State

Excursion trip of one day for students of class X within the State will be organized for **106249** numbers of students. These students will be taken to the places of heritage importance, art and culture, industrial institutes, national forest and sanctuaries, theatre and art institutions, science lab, planetarium, historical places, public offices like SDM office, BDO office etc. All students will prepare a write up on the trip.

### Financial Requirement

The total amount of **Rs. 212.498 lakh** would be required for this activity.

The detail are given below:-

S.No.	Name of the district	Physical	Unit Amount (in lakhs)	Total Amount (in lakhs)
1	Almora	10836	0.002	21.67
2	Bageshwar	4000	0.002	8.00
3	Chamoli	8082	0.002	16.16
4	Champawat	4234	0.002	8.47
5	Dehradun	13285	0.002	26.57
6	Haridwar	4109	0.002	8.22
7	Nainital	10634	0.002	20.53

8	Pauri	9441	0.002	18.88
9	Pithoragarh	8722	0.002	17.44
10	Rudraprayag	5611	0.002	11.22
11	Tehri	11450	0.002	22.90
12	U.S. Nagar	10334	0.002	20.67
13	Uttarkashi	5511	0.002	11.02
<b>Total</b>		<b>106249</b>	<b>0.002</b>	<b>212.498</b>

### Proposal for Study Tour for students outside the State

A study tour of two days of **1375** number of students of class IX and X will be organized outside the State to expose the students to different culture, historical places, geographical places, premiere schools and institutions etc. They may also participate in some form of workshop, events etc. The students will be selected on the basis of their performance in the preceding year's results. Students excelling in sports, arts and science exhibition etc will also be included in the list. Students who have fared well in the competitive examinations viz. namely NTSE, MMMS and students who have maintained more than 95% attendance in the class will also be given preference.

### Financial Requirement

The total amount **Rs. 27.5 lakh** would be required for this activity.

The details are given below:-

S.No.	Name of the district	Physical	Unit Amount (in lakhs)	Total Amount (in lakhs)
1	Almora	116	0.02	2.32
2	Bageshwar	60	0.02	1.20
3	Chamoli	160	0.02	3.20
4	Champawat	-	0.02	-
5	Dehradun	150	0.02	3.00
6	Haridwar	200	0.02	4.00
7	Nainital	160	0.02	3.20
8	Pauri	200	0.02	4.00
9	Pithoragarh	90	0.02	1.80
10	Rudraprayag	40	0.02	0.80
11	Tehri	125	0.02	2.50
12	U.S. Nagar	74	0.02	1.48
13	Uttarkashi	-	0.02	0.00
<b>Total</b>		<b>1375</b>	<b>0.02</b>	<b>27.5</b>

## Constraints/Issues-

Rs. 2000 unit cost for student excursion outside the State is too meager. The far flung districts like Uttarkashi and Rudraprayag have shown their inability to conduct student excursion outside the State as the only inland travel cost from district headquarters to even Dehradun is Rs. 2000 leave aside the hotel and other expenditures. The unit cost may be considered to increase and put as Rs. 12,000 per student.

## Sports Equipments-

To enhance sport related activities in the schools, the availability of sports equipments is important. A total number of **95** schools are identified for the purchase of sports equipments in the year 2012-13. One school each is selected from each of the 95 blocks. These schools are selected on the basis of availability of playground in the school. The minimum number of beneficiary students is more than 100 in a school. Physical education teachers and other teachers are posted in these schools. Each of these schools will prepare a time table related to the sports activities. These schools will necessarily organize an annual sports day.

## Financial Requirement

An amount of **Rs. 19.00 lakh** would be required for **95** numbers of schools.

The details are:-

S.No.	Name of the district	Physical (No. of School)	Unit cost (in lakhs)	Total Cost (in lakhs)
1	Almora	11	0.20	2.20
2	Bageshwar	03	0.20	0.60
3	Chamoli	09	0.20	1.80
4	Champawat	04	0.20	0.80
5	Dehradun	06	0.20	1.20
6	Haridwar	06	0.20	1.20
7	Nainital	08	0.20	1.60
8	Pauri	15	0.20	3.00
9	Pithoragarh	08	0.20	1.60
10	Rudraprayag	03	0.20	0.60
11	Tehri	09	0.20	1.80
12	U.S. Nagar	07	0.20	1.40
13	Uttarkashi	06	0.20	1.20
<b>Total</b>		<b>95</b>	<b>0.20</b>	<b>19.00</b>

## Science Fair

There is a need to conduct activities for the promotion of science. Science Quiz, Science drama and Science Fairs were organized at school block and district level. In the year 2011-12 an amount of Rs. 13.00 lakh was utilized for the promotion of Science.

The details are:-

S.No.	Name of the district	Sanctioned			Utilized		
		Physical	Unit cost in lakhs	Total Amount (in lakhs)	Physical	Unit cost in lakhs	Total Amount (in lakhs)
1	Almora	1	1.0	1.0	1	1.0	1.0
2	Bageshwar	1	1.0	1.0	1	1.0	1.0
3	Chamoli	1	1.0	1.0	1	1.0	1.0
4	Champawat	1	1.0	1.0	1	1.0	1.0
5	Dehradun	1	1.0	1.0	1	1.0	1.0
6	Haridwar	1	1.0	1.0	1	1.0	1.0
7	Nainital	1	1.0	1.0	1	1.0	1.0
8	Pauri	1	1.0	1.0	1	1.0	1.0
9	Pithoragarh	1	1.0	1.0	1	1.0	1.0
10	Rudraprayag	1	1.0	1.0	1	1.0	1.0
11	Tehri	1	1.0	1.0	1	1.0	1.0
12	U.S. Nagar	1	1.0	1.0	1	1.0	1.0
13	Uttarkashi	1	1.0	1.0	1	1.0	1.0
<b>Total</b>		<b>13</b>	<b>1.0</b>	<b>13.00</b>	<b>13</b>	<b>1.0</b>	<b>1.0</b>

## Proposal

The state conducts 5 state level activities for the promotion of science activities in consonance with NCERT guidelines. SCERT is the designated institution for this, but there is no provision for organizing these activities at district, block and school levels. So the conduct of **science quiz, science drama, science seminar and science fair etc. is proposed at school, block and district levels**. Each DPO will ensure that these activities are conducted in the district. These activities will be organized for **elementary and secondary level together**. Thus, each district will organize a district level science fair as an evolving event from school to district level. Efforts will be done to dovetail these activities with State level activities. These activities will be organized in between August 2012 to December 2012.

## Financial Requirement

An amount of Rs. 13.00 lakh will be required for this activity.

The details are:-

S.No.	Name of the district	Physical	Unit cost (in lakhs)	Total Cost (in lakhs)
1	Almora	1	1.0	1.0
2	Bageshwar	1	1.0	1.0
3	Chamoli	1	1.0	1.0
4	Champawat	1	1.0	1.0
5	Dehradun	1	1.0	1.0
6	Haridwar	1	1.0	1.0
7	Nainital	1	1.0	1.0
8	Pauri	1	1.0	1.0
9	Pithoragarh	1	1.0	1.0
10	Rudraprayag	1	1.0	1.0
11	Tehri	1	1.0	1.0
12	U.S. Nagar	1	1.0	1.0
13	Uttarkashi	1	1.0	1.0
<b>Total</b>		<b>13</b>	<b>1.0</b>	<b>13.00</b>

### Constraints/Issues-

The delay in release of amount from MHRD prevents these activities to dovetail with the NCERT guided state level activities.

### Maths lab/ Maths Kit

To promote the learning in mathematics in secondary schools the PAB 2011-12 has sanctioned mathematics kit for 1774 schools of the State. A grant of Rs. 158.40 lakh was released to the 1760 secondary schools of the State for the purchase of mathematics kit. These kits were provided to those 1760 schools in which there is a provision of lab assistants in RMSA. Initially a request was made to the NCERT, New Delhi to provide the list of empanelled firms for the Secondary Mathematics Kit but NCERT was not able to empanel the firms in the year 2011-12. So, a suggestive list was provided to the concerned schools to purchase the kits. This suggested list was evolved in a workshop organized for this purpose. The list was being validated by the committee comprising of Director, School Education, Additional Director and Joint Director, School Education. The instructions were given to the schools to treat this list as a suggestive list with the scope of moderation as per the requirement of the schools subject to the ratification by the SMDC.

The details are:-

S. No.	Districts	No. of the Schools	No. of kits per school	Total Kits	Unit Cost (in lakhs)	Total Cost (in lakhs)
1	Almora	209	06	1254	0.015	18.810
2	Bageshwar	69	06	414	0.015	6.210
3	Chamoli	158	06	948	0.015	14.220
4	Champawat	69	06	414	0.015	6.210
5	Dehradun	134	06	804	0.015	12.060
6	Haridwar	47	06	282	0.015	4.230
7	Nainital	158	06	948	0.015	14.220
8	Pauri	272	06	1632	0.015	24.480
9	Pithoragarh	150	06	900	0.015	13.500
10	Rudraprayag	90	06	540	0.015	8.100
11	Tehri	217	06	1302	0.015	19.530
12	U.S. Nagar	91	06	546	0.015	8.190
13	Uttarkashi	96	06	576	0.015	8.640
<b>Total</b>		<b>1760</b>	<b>06</b>	<b>10560</b>	<b>0.015</b>	<b>158.40</b>

### Proposal for Maths Kit

NCERT has developed Maths Kit for secondary level. The proposal is for Maths Kit for all secondary Schools @ of 6 Kit per school. After empanelled by NCERT, the kits will be procured from the empanelled firms.

S.No.	District	No. of School Kits per School	Total kit	Unit cost	Total cost
1.	Almora	241	1446	.015	26.69
2.	Bageshwar	84	504	.015	7.56
3.	Chamoli	181	1086	.015	16.29
4.	Champawat	89	534	.015	8.01
5.	Dehradun	157	942	.015	14.13
6.	Haridwar	68	408	.015	6.12
7.	Nainital	172	1032	.015	15.48
8.	Pauri	295	1770	.015	26.55
9.	Pithoragarh	198	1188	.015	17.82
10.	Rudraprayag	104	624	.015	9.36
11.	Tehri	254	1524	.015	22.86
12.	U.S. Nagar	117	702	.015	10.53
13.	Uttarkashi	118	708	.015	10.62
<b>Total</b>		<b>2078</b>	<b>12468</b>	<b>.015</b>	<b>187.02</b>

### Guidance and Counseling

State Guidance Resource Centre Bureau has been established at the SCERT Uttarakhand, Narendranagar, Tehri Garhwal. An appropriate G.O. No.-1083/XXIV-



2/11-6(6)2011, 15 Dec, 2011 has been issued by the State government in this regard which provides for the creation of 05 Resource persons at State Guidance and Counseling Bureau (at SCERT) and 13 Research Assistants at District level (GIC and GGICs). A request for the appointment of these persons has been made to the outsourcing agency UPNAL.

### **Proposal**

The 05 posts of RPs and 13 posts of RAs are created & appointment is going on. So, this year the expenses for their salary have to be arranged. An amount of Rs. 50,000/- would also be required for the Guidance Resource Centre at SCERT for psychological test/tools, guidance/career literature, display material etc.

It is also proposed that 97, 02 days sensitization programme on Guidance and Counseling will be organized at the district level to cover 02 teachers (preferably 1 male and 1 female) per school. These teachers will work as counselor in their respective schools. Thus a total number of 3880 teachers will be sensitized in Guidance and Counseling covering all the 1940 secondary schools of the State.

The Module will be developed by the State Resource Centre SCERT. The training will be carried out in cascade model. 05 RPs at State Resource Centre will serve as KRPs. The Research Assistants and selected teachers will be developed as MTs who in turn deliver the programme at district level. The departmental teachers which have already undergone Guidance and Counseling/Training by SCERT will also assist in the programme.

### **Financial Requirement**

An amount of Rs. 67.90 lakhs will be required for this activity.

The details are:-

<b>S.No.</b>	<b>Activity</b>	<b>Physical</b>	<b>Unit Cost (in lakh)</b>	<b>Total Cost (in lakh)</b>
1	Salary for 05 Resource persons at State Resource Centre, SCERT	05	2.40	12.00

2	Setting up of Guidance and Counseling at SCERT for Physical Test/ tools etc.	--	0.50	0.50
3	Contingency for State Bureau	1	1.00	1.00
4	Salary for Research Assistants in field/districts	13	1.20	15.60
5	Sensitization Programme at District on G&C for 4880 schools teachers in the batches of 40 each	97 batches	0.40	38.80
<b>Total</b>				<b>67.90</b>

### **Guidance & counseling cell at the school level-**

At every school a guidance & counseling cell will be constituted. This cell will be responsible for counseling, carrier counseling personality development programme will be done by this cell. This will be a continuous process. Interaction with famous personalities will be provided to the students. They will also have a chance to get counseling by experts. So tools & literature and other accessories are required for these cells. An amount of **Rs. 308.85 lakh** will be required for this activity.

The details of the requirement is as follows:-

#### **Tools, Literature & Display material for School**

<b>S.No.</b>	<b>Name of District</b>	<b>No. of School</b>	<b>Unit cost (Rs. in lakhs)</b>	<b>Total cost (Rs. in lakhs)</b>
1.	Almora	241	0.15	36.15
2.	Bageshwar	84	0.15	12.6
3.	Chamoli	181	0.15	27.15
4.	Champawat	89	0.15	13.35
5.	Dehradun	157	0.15	23.55
6.	Haridwar	68	0.15	10.2
7.	Nainital	172	0.15	25.95
8.	Pauri	295	0.15	44.25
9.	Pithoragarh	198	0.15	29.7
10.	Rudraprayag	104	0.15	15.6
11.	Tehri	254	0.15	38.1
12.	U.S. Nagar	113	0.15	16.95
13.	Uttarkashi	102	0.15	15.3
<b>Total</b>		<b>2058</b>	<b>0.15</b>	<b>308.85</b>

## School Grant

### Status

1770 Secondary School were approved by GOI for the annual grant of the year 2010-11. The total amount sanctioned was Rs. 885.00 lakh having 0.50 lakh as unit cost Rs. 885.00 lakh were released to the above mentioned 1770 schools in 2010-11.

1879 Secondary School were approved by GoI for the annual grant of the year 2011-12. The total amount sanctioned was Rs. 939.50 lakh having 0.50 lakh as unit cost. Rs. 937.50 lakh have been released to 1875 eligible schools in 2011-12.

The details are:-

Year	Approved by GOI			Released by SPO			Remark
	Physical	Unit cost in lakhs	Total Amount (in lakhs)	Physical	Unit cost in lakhs	Total Amount (in lakhs)	
2010-11	1770	0.50	885.00	1770	0.50	885.00	--
2011-12	1879	0.50	939.50	1875	0.50	937.50	4 schools were not found eligible for grant

With the release of annual grant to the schools instructions were given to them to ensure that the grant is being utilized as per the RMSA guidelines. The sub head suggested in this regard are 0.25 lakhs for repair/replacement of laboratory equipments and purchase of lab consumable for government schools, 0.10 lakh for the purchase of books, periodicals, newspapers and 0.15 lakh for water/electricity charges and for other petty expenses. It is also ensured that the expenses can only be incurred after taking approval from the academic committee of the SMDC.

### Proposal

This year an annual grant of **Rs. 1039.00 lakh** is proposed to be sanction for **2078** number of schools having unit cost of Rs. 0.50 lakh.

### Financial Requirement

S.No.	Name of the district	Physical Govt. School	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	241	0.50	120.50
2	Bageshwar	84	0.50	42.00
3	Chamoli	181	0.50	90.50
4	Champawat	89	0.50	44.50
5	Dehradun	157	0.50	78.50
6	Haridwar	68	0.50	34.00
7	Nainital	172	0.50	86.00
8	Pauri	295	0.50	147.5
9	Pithoragarh	198	0.50	99.00
10	Rudraprayag	104	0.50	52.00
11	Tehri	254	0.50	127.00
12	U.S. Nagar	117	0.50	58.50
13	Uttarkashi	118	0.50	59.00
<b>Total</b>		<b>2078</b>	<b>0.50</b>	<b>1039.00</b>

## Book Fair

### Status

In all of the 13 districts of the State one book fair each was organized. Thus the total number of 13 district book fairs were organized in the State. The purpose of the book fair was to provide an opportunity to the students, guardians, teachers and all the stake holders in the secondary education to have an exposure to the variety of standard books which must be there in a school library. National, regional and local publishers participated in these book fairs. Publishers like Macmillan, NBT, Oxford, Lok Bharti, Rajkamal,, Prabhat, Granth Academy, Janvani, Kitab Ghar and regional publishers like Almora book depot, Punetha printing press, consul book depot, Binsar, Rajpal & sons, Unistar books etc participated in the book fair.

Directions were given to the districts to constitute an 8 member district book selection committee which has to recommend a suggested list of books to be chosen from the book fair to be used for the referential purpose in future purchases under RMSA.

The configuration of the committee is as under:-

- DPO RMSA - President
- One SMDC member (Senior most principal of the GIC/ GGIC of the District except the departmental person) - member

- One Librarian from the KVS/NV from the district - member
- One Educationist - member
- One guardian - member
- One student representative - member
- One teacher representative - member

Each DPO was advised to keep the list of book as a matter of records in the districts and was also directed to circulate to all the schools of the districts.

### Proposal for book fair

A book fair in each of the 13 districts in the State is proposed to be organized on the same lines as was done in the previous years.

### Financial Requirement

An amount of Rs. 13.00 lakhs would be required for this activity.

The details are given below:-

S.No.	Name of the district	Physical	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	1	1.00	1.00
2	Bageshwar	1	1.00	1.00
3	Chamoli	1	1.00	1.00
4	Champawat	1	1.00	1.00
5	Dehradun	1	1.00	1.00
6	Haridwar	1	1.00	1.00
7	Nainital	1	1.00	1.00
8	Pauri	1	1.00	1.00
9	Pithoragarh	1	1.00	1.00
10	Rudraprayag	1	1.00	1.00
11	Tehri	1	1.00	1.00
12	U.S. Nagar	1	1.00	1.00
13	Uttarkashi	1	1.00	1.00
<b>Total</b>		<b>13</b>	<b>1.00</b>	<b>13.00</b>

### Workshop of CCE/School Grading

Each of the 13 districts organized on day CCE/School Graduation workshop in the State. Principals DIETs, BEOs, DPOs, DRPs, Principals from High Schools and Intermediate colleges participated in these workshops. On an average 30 to 40 participants participated in this workshop. The workshop aimed at sensitizing the participants with the component of school gradation. **The key agenda** of the

workshops pertained to finding out the modalities of implementing School Gradation Tool and the existing CCE system of the State. It also included the issues regarding teacher diary with special emphasis on student profile.

The Details are as under:-

S.No.	Name of the district	Sanctioned			Utilized		
		Physical (No. of Workshop)	Unit cost in lakhs	Total Amount (in lakhs)	Physical (No. of Workshop)	Unit cost in lakhs	Total Amount (in lakhs)
1	Almora	1	0.20	0.20	1	0.20	0.20
2	Bageshwar	1	0.20	0.20	1	0.20	0.20
3	Chamoli	1	0.20	0.20	1	0.20	0.20
4	Champawat	1	0.20	0.20	1	0.20	0.20
5	Dehradun	1	0.20	0.20	1	0.20	0.20
6	Haridwar	1	0.20	0.20	1	0.20	0.20
7	Nainital	1	0.20	0.20	1	0.20	0.20
8	Pauri	1	0.20	0.20	1	0.20	0.20
9	Pithoragarh	1	0.20	0.20	1	0.20	0.20
10	Rudraprayag	1	0.20	0.20	1	0.20	0.20
11	Tehri	1	0.20	0.20	1	0.20	0.20
12	U.S. Nagar	1	0.20	0.20	1	0.20	0.20
13	Uttarkashi	1	0.20	0.20	1	0.20	0.20
<b>Total</b>		<b>13</b>	<b>0.20</b>	<b>2.60</b>	<b>0.20</b>	<b>0.20</b>	<b>2.60</b>

### Training for Community leaders

Involving community in the affairs of the school is one of the important determinants to achieve community ownership of the school system. It is felt imperative to involve and empower at least SMDC members in the beginning in the affairs of the schools. A total number of 29145 SMDC members belonging to 1873 number of schools were trained to empower to carry out their functions as members of SMDCs.

KRP development and module development was carried out from 5 to 9 September, 2011 by the SPO. In all 25 KRPs were developed. These KRPs belong to the members from SCERT, Community members, DRPs, Selected teachers of the secondary schools. These KRPs in turn developed about 35 MTs. 2-3 MTs were developed per district during October-November, 2011. These MTs in turn imparted training to the SMDCs members at school level. **The key themes** were Introduction to

RMSA, Various committees and schemes, Importance of Community participation, Role and responsibility of SMDC, Educational planning, Financial management, Scholarships etc. The grant was released to 1873 schools towards the target of 1879. Out of these sanctioned number of 1879 schools, 06 were not found eligible for the grant under SMDC training. (In 05 schools only class 11<sup>th</sup> and 12<sup>th</sup> were conducted and 01 school has to be closed on account of zero student enrolment).

The details are:-

S. No.	Name of the district	Target				Achieved			
		No. of Schools	Physical (No. of SMDC members)	Unit cost (in lakhs)	Total Amount (in lakhs)	No. of Schools	Physical (No. of SMDC members)	Unit cost in lakhs	Total Amount (in lakhs)
1	Almora	220	3300	0.006	19.80	220	3300	0.006	19.80
2	Bageshwar	76	1140	0.006	6.84	76	1140	0.006	6.84
3	Chamoli	166	2490	0.006	14.94	165	2490	0.006	14.94
4	Champawat	76	1140	0.006	6.84	76	1095	0.006	6.38
5	Dehradun	149	2235	0.006	13.41	148	2840	0.006	7.62
6	Haridwar	60	900	0.006	5.40	57	900	0.006	5.40
7	Nainital	166	2490	0.006	14.94	165	2490	0.006	14.94
8	Pauri	282	4230	0.006	25.38	282	6130	0.006	17.54
9	Pithoragarh	165	2475	0.006	14.85	165	2475	0.006	14.85
10	Rudraprayag	94	1410	0.006	8.46	94	1410	0.006	4.69
11	Tehri	226	3390	0.006	20.34	226	3390	0.006	13.54
12	U.S. Nagar	99	1485	0.006	8.91	99	1485	0.006	5.45
13	Uttarkashi	100	1500	0.006	9.00	100	-	0.006	-
<b>Total</b>		<b>1879</b>	<b>28185</b>	<b>0.006</b>	<b>169.11</b>	<b>1873</b>	<b>29145</b>	<b>0.006</b>	<b>124.76</b>

### Proposal for SMDC Training

The feedback received from the Principals of the secondary schools and the SMDC's members themselves indicate that SMDC's members are still not comfortable to carry out the functions as defined for the SMDC members. So, the module needs to be modified as per the needs of the SMDC members. The Principals and the members have highlighted the issue of involvement of the SMDC members in Academic monitoring and financial functions. Therefore the training of 41580 number of SMDC members is proposed in the year 2012-13. **The key areas** of this training would be Academic monitoring, Monitoring of teacher/Student attendance, Community involvement in Co-Scholastic areas etc.

The already existing KRPs will modified the module in a workshop of 05 days and will sensitize the MTs about the modified module. The MTs will impart the training to the SMDCs members at school level.

### Financial Requirement

An amount of Rs.249.48 Lakhs is required for this activity.

The details are:-

Name of the districts	No. of schools	Physical (No. of SMDC members)	Unit cost (in lakh)	Total Amount (in lakh)
Almora	241	4820	0.006	28.92
Bageshwar	84	1680	0.006	10.080
Chamoli	181	3620	0.006	21.720
Champawat	89	1780	0.006	10.680
Dehradun	157	3140	0.006	18.840
Haridwar	68	1360	0.006	8.160
Nainital	173	3460	0.006	20.760
Pauri	295	5900	0.006	35.40
Pithoragarh	198	3960	0.006	23.76
Rudraprayag	104	2080	0.006	12.48
Tehri	245	5080	0.006	30.48
U.S. Nagar	117	2340	0.006	14.04
Uttarkashi	118	2360	0.006	14.16
<b>Total</b>		<b>41580</b>	<b>0.006</b>	<b>249.48</b>

### Special teaching (Coaching for minority Students as an Additional Academic Support)

Special Teaching/Coaching was provided to 2907 number of minority students of district Haridwar and U.S.Nagar as an additional academic support pertaining to the subjects Math, Science and English. The details are:-

S. No.	Name of the district	Target				Achieved			
		No. of Selected Blocks	Physical (No. of Students)	Unit cost (in lakhs)	Total Amount (in lakhs)	No. of Selected Blocks	Physical (No. of Students)	Unit cost in lakhs	Total Amount (in lakhs)
1	Haridwar	06	1810	0.005	9.050	6	1810	0.005	9.05
2	U.S.Nagar	07	1097	0.005	5.485	7	1097	0.005	5.49
	<b>Total</b>	<b>13</b>	<b>2907</b>	<b>0.005</b>	<b>14.53</b>	<b>13</b>	<b>2907</b>	<b>0.005</b>	<b>14.54</b>



## **Proposal for Special Teaching for Learning Enhancement**

Special Teaching for **11686 number** of students as an additional academic support is proposed for the year 2012-13. This is proposed in a pilot mode wherein 4-6 schools per block are selected in the districts.

### **Rationale**

These schools are those which performed less than the average of the board examinations of class 10<sup>th</sup> in the year 2011. This special teaching will be provided to the students of class 9<sup>th</sup> who have secured less than 40% marks in Math, Science and English subjects in their preceding class. It is also ensured that in all of these schools at least one teacher is available to provide additional support in the concerned subjects.

### **Time schedule**

This special teaching will be conducted by the concerned subject teachers in the concerned schools in additional time. At least one hour for minimum two days in a week would be devoted for this activity in a school. The concerned teacher will be paid Rs. 500 per teacher as remuneration. This would be paid in two installments. This payment would be dependent upon the improvement of the student's results in the concerned subjects in half yearly and annual examinations.

### **Monitoring**

The monitoring will be conducted by the Principal of the school on the monthly basis. A monthly test will be taken by the concerned subject teachers and the Principal will monitor the progress made by the students. Similarly the Principal will monitor the performance of the students on the basis of half yearly and annual examinations. The concerned teachers will maintain a teacher diary to record the progress made by the concerned students. The achievement of the children concerned will be discussed with SMDC members periodically.

### **Financial Requirement**

An amount of **Rs.58.43 Lakhs** would be required for this activity.

The details are:-

<b>Name of the districts</b>	<b>No. of schools</b>	<b>Physical (No. of students)</b>	<b>Unit cost (in lakh)</b>	<b>Total Amount (in lakh)</b>
Almora	19	410	0.005	2.05
Bageshwar	23	62	0.005	3.11
Chamoli	18	777	0.005	3.89
Champawat	10	406	0.005	2.03
Dehradun	18	403	0.005	2.02
Haridwar	38	868	0.005	4.34
Nainital	21	514	0.005	2.57
Pauri	25	457	0.005	2.29
Pithoragarh	27	801	0.005	4.05
Rudraprayag	9	226	0.005	1.13
Tehri	36	1824	0.005	9.12
U.S. Nagar	29	3470	0.005	17.35
Uttarkashi	30	900	0.005	4.50
<b>Total</b>	<b>303</b>	<b>11686</b>	<b>0.005</b>	<b>58.43</b>

## **Equity Interventions**

### **Self defence Training for girls**

Generally, girl students have to pass through the isolated and jungle ridden terrain in hilly and rural areas to reach the school. Many of the girl students feel insecure while passing through the above mention terrain. Moreover the case of assault on female children is increasing day by day. So it is important to inculcate confidence in the girl students in this regard. By providing self defence training to girls we can inculcate the sense of confidence and equip them with self defence skills.

The main objectives of this self defence training is as under:-

### **Objectives**

- Inculcating self respect and self confidence.
- Overcome fear.
- Mentally as well as physically strong.
- Basic defence skills.

A 125 no. of schools encompassing 4670 number of girls will be covered for this self defence training. The training will include martial arts like karate and judo. This will also include yoga exercises. The schools are selected on the basis of the availability of the experts in the vicinity of the schools. The training activity will be conducted before or after the normal school time. The duration of the training programme would be of 30 days. An amount of Rs. 46.70 lakhs would be needed for this activity.

The details are given below:-

S.No.	Name of the districts	No. of Schools	No. of Girls	Unit cost (Rs. in lakhs)	Total Cost (Rs. in lakhs)
1	Almora	8	240	0.01	2.40
2	Bageshwar	6	180	0.01	1.80
3	Chamoli	10	300	0.01	3.00
4	Champawat	1	30	0.01	0.30
5	Dehradun	10	500	0.01	5.00
6	Haridwar	11	690	0.01	6.90
7	Nainital	8	240	0.01	2.40
8	Pauri	15	450	0.01	4.50
9	Pithoragarh	4	200	0.01	2.00
10	Rudraprayag	--	-	0.01	0.00
11	Tehri	18	540	0.01	5.40
12	U.S. Nagar	28	1120	0.01	11.20
13	Uttarkashi	06	180	0.01	1.80
<b>Total</b>		<b>125</b>	<b>4670</b>	<b>0.01</b>	<b>46.70</b>

### **Bicycle for Girls in plain areas**

It is an irony that the girls in our country are doing maximum work of household activities. Parents also give priority to the household work done by the girls rather than to engage them in studies. So it is very difficult for girls to steal out time for study. Most of the selected girls have to travel up to 8 km. daily to attend the school which is time consuming. If the transport facility is provided in the form of cycle, it will save their valuable time which they could utilize in study. However the bicycle facility could only be provided in the plain areas of the State.

**Objective-**The aims and objective for the implementation of cycle facility to the girls are:-

- Reduce the dropout rate of girls.
- Groom their talent.
- Bridge the distance and time to the school.
- Encourage the self confidence.
- Regular and punctual.
- Sense of competitiveness.

The bicycle facility for **12903** secondary school girls in plain areas is proposed. An amount of **Rs.903.21 lakhs** would be required for this activity.

The details are given below:-

S.No.	District	Category					Unit Cost (Rs. in lakhs)	Total Cost (Rs. in lakhs)
		SC	ST	OBC	BPL	Total		
1	Dehradun	1284	433	--	--	1717	0.07	120.19
2	Haridwar	827	--	--	--	827	0.07	57.89
3	Champawat	16	--	---	44	60	0.07	4.20
4	U.S. Nagar	1921	812	2646	1912	7291	0.07	510.37
5	Nainital	905	24	517	--	1446	0.07	101.22
6	Tehri	16	--	--	44	60	0.07	4.20
7	Pauri	--	--	--	1502	1502	0.07	105.14
<b>Total</b>		<b>4969</b>	<b>1269</b>	<b>3163</b>	<b>2000</b>	<b>12903</b>	<b>0.07</b>	<b>903.21</b>

S.No.	Name of the districts	No. of Girls	Unit cost	Total Cost
1	Champawat	60	0.035	2.10
2	Dehradun	1717	0.035	60.10
3	Haridwar	827	0.035	28.95
4	Nainital	1446	0.035	50.61
5	Pauri	1502	0.035	52.57
6	Tehri	60	0.035	2.10
7	U.S. Nagar	7291	0.035	225.19
<b>Total</b>		<b>12903</b>	<b>0.035</b>	<b>451.61</b>

### Transport Allowance for girls in hilly areas

As discussed earlier transport is one of the facilitating factor in reducing the dropout rate of girls, grooming their talent, bridging the distance and time to the school, encouraging the self confidence and punctuality. Since bicycle cannot be provided in the hilly areas so transport allowance for girls in hilly areas is proposed.

This allowance will be primarily given to the girls who pass out from the KGBV hostels. An amount of **Rs. 104.79 lakhs** will be needed for this activity.

The details are given below:-

<b>S. No.</b>	<b>Name of District</b>	<b>Name of Girls</b>	<b>Unit cost</b>	<b>Total cost</b>
1	Haridwar	777	0.07	54.39
2	Nainital	669	0.07	46.83
3	Uttarkashi	51	0.07	3.57
<b>Total</b>		<b>1497</b>		

### **Other activities for quality improvements**

#### **Promotion of Art and Craft**

##### **Status**

The activity related to promotion of Art and Craft have been carried out in all the 227 sanctioned school in the State. The districts had identified these activities for their schools. These activities related to candle making, candle craft, painting, sewing and embroidery, doll making, wood craft, ringaal work (local craft), folk songs, folk dance, woolen works, local herbs, mat knitting etc. The schools have identified the local experts for these crafts. The activities and the name of the concerned local experts is being ratified by the SMDC. The directions were given to the districts to engage these local experts for a maximum of 45 days. These activities were organized after the half yearly examination and the care was taken that the normal study schedule of the school is not disturbed. The schools are directed to maintain a record of all these activities. The monitoring is being done by the BEOs and the DRPs. Out of the sanction of unit cost Rs. 20000, Rs. 10000 was earmarked for remuneration for the experts, Rs. 7000 was earmarked for raw material and tools and Rs. 3000 was assigned to the contingent expenditure.

The details are given below:-

S.No.	Name of the district	Sanctioned			Utilized		
		No. of Schools	Unit cost in lakhs	Total Amount (in lakhs)	Physical (No. of Schools)	Unit cost in lakhs	Total Amount (in lakhs)
1	Almora	23	0.20	4.6	23	0.20	4.6
2	Bageshwar	6	0.20	1.2	6	0.20	1.2
3	Chamoli	15	0.20	3.00	15	0.20	3.00
4	Champawat	8	0.20	1.6	8	0.20	1.6
5	Dehradun	23	0.20	4.6	23	0.20	4.6
6	Haridwar	57	0.20	11.6	57	0.20	11.4
7	Nainital	16	0.20	3.2	16	0.20	3.2
8	Pauri	15	0.20	3.00	15	0.20	2.98
9	Pithoragarh	16	0.20	3.2	16	0.20	3.2
10	Rudraprayag	6	0.20	1.2	6	0.20	1.2
11	Tehri	9	0.20	1.8	9	0.20	1.8
12	U.S. Nagar	21	0.20	4.2	21	0.20	4.2
13	Uttarkashi	12	0.20	2.4	12	0.20	2.4
<b>Total</b>		<b>227</b>	<b>0.20</b>	<b>45.4</b>	<b>227</b>	<b>0.20</b>	<b>45.38</b>

### Proposal for promotion of Art and Craft

The organization of promotion of art and craft activities is proposed on the same lines as was done in the previous year. More than 50 more schools would be included in this list as per the requirement generated at the District level.

### Financial Requirement

A total amount of **Rs. 67.20 Lakh** would be required for 336 number of schools in the year 2012-12.

The details are given below:-

S.No.	Name of the district	Physical	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	30	0.20	6.00
2	Bageshwar	12	0.20	2.40
3	Chamoli	30	0.20	6.00
4	Champawat	12	0.20	2.40
5	Dehradun	29	0.20	5.80
6	Haridwar	57	0.20	11.40
7	Nainital	39	0.20	7.80
8	Pauri	30	0.20	6.00
9	Pithoragarh	40	0.20	8.00
10	Rudraprayag	12	0.20	2.40
11	Tehri	18	0.20	3.60
12	U.S. Nagar	21	0.20	4.20
13	Uttarkashi	36	0.20	7.20
<b>Total</b>		<b>336</b>	<b>0.20</b>	<b>67.20</b>

## Hand Books for teachers

Handbook for teachers is proposed to be developed this year. The examination Board of Uttarakhand i.e. Uttarakhand Vidyalayi Parishad will develop this handbook in a three day workshop. Board experts, representatives from SCERT, SIEMAT, DIETs and RGNVS along with DEOs, BEOs, DPOs and teacher will participate in this workshop. **The key themes** included would be Directive Principles of State Policy, NCF 2005, Teachers Ethical Code, Right to Education Act, CCE & Grading system Key interventions under RMSA etc. The handbook could be used by the teachers for the purpose of reference.

## Financial Requirement

An amount of **Rs. 18.079 Lakh** would be required for this activity.

The details are:-

S.No.	Name of the district	No. of Teachers	Unit cost (in lakhs)	Total Cost (in lakhs)
1	Almora	1695	0.001	1.695
2	Bageshwar	626	0.001	.626
3	Chamoli	1692	0.001	1.692
4	Champawat	650	0.001	.650
5	Dehradun	1581	0.001	1.581
6	Haridwar	606	0.001	.606
7	Nainital	1745	0.001	1.745
8	Pauri	2822	0.001	2.822
9	Pithoragarh	1783	0.001	1.783
10	Rudraprayag	973	0.001	.973
11	Tehri	1871	0.001	1.871
12	U.S. Nagar	1052	0.001	1.052
13	Uttarkashi	983	0.001	.983
<b>Total</b>		<b>18079</b>	<b>0.001</b>	<b>18.079</b>

## School Magazine

School Magazine is an important repository of information about the school activities in an scholastic year. Development and printing of annual school Magazine by 970 No. of Schools for 225832 number of students of the state is proposed for 2012-13. Those schools will be entitled for School Magazine which have overall more than 100 students on nominal roll. This magazine will reflect the historical background and geographical context of the school. It will also indicate the details about the staff.

It will contain details about all the important events that happened in the school in scholastic and co-scholastic areas. It will provide a chance to the teachers and students to express their views and opinions on various topics. This will also give a chance to students to use different format of writing e.g. prose, poetry, drama etc. An editorial board consisting of language teachers and students would be formed to develop the magazine. The magazine will have three sections- English, Hindi and Sanskrit.

### **Financial Requirement**

An amount of Rs.225.83 Lakhs would be required for this activity.

The details are:-

<b>S.No.</b>	<b>Name of the district</b>	<b>No. of Schools</b>	<b>Name of Student</b>	<b>Unit cost (in lakhs)</b>	<b>Total Cost (in lakhs)</b>
1	Almora	40	14738	0.001	14.738
2	Bageshwar	30	8537	0.001	8.537
3	Chamoli	139	26229	0.001	26.229
4	Champawat	45	17178	0.001	17.178
5	Dehradun	39	7853	0.001	7.853
6	Haridwar	48	10302	0.001	10.302
7	Nainital	173	34200	0.001	34.200
8	Pauri	138	29664	0.001	29.994
9	Pithoragarh	50	10685	0.001	10.685
10	Rudraprayag	81	9254	0.001	9.254
11	Tehri	50	5287	0.001	5.287
12	U.S. Nagar	114	41971	0.001	41.971
13	Uttarkashi	23	9934	0.001	9.934
<b>Total</b>		<b>970</b>	<b>2,25,832</b>	<b>0.001</b>	<b>225.83</b>

### **Workshop for mathematics teachers**

To enhance the capacity of the Secondary school teachers 13, two days workshops are proposed in the year 2012-13. These workshops will be held in each of the 13 districts of the State. The purpose of the workshop is to build the capacity of the teacher to use and integrate technology in mathematics teaching. The software are available with the IIT Bombay. IIT Bombay has a expertise to organize these type of training programmes. The workshop will be organize at the district level intermediate college which have the computer lab. 40 Teacher will participate in each of the workshops. These teachers will be selected on the basis of their performance in the Board Examination of the concerned DEOs. A total of 520 teachers in 13 batches will participate in the workshops.



## **Workshop for English Teachers on the use of Computer Lab in the class -**

Similarly 40 teachers per district will be selected for English workshops in convergence with "The English and Foreign Languages University Hyderabad." ICT programme is already launched in the state and computer lab has been established in the schools. This facility will be used for the above mention workshops. The key theme of the workshop will be focused on the use of technology in teaching English in the classroom. The experts of EFLU will give their contribution in this programme, SCERT will be the nodal agency to conduct these workshops. The dialog between EFLU & SCERT is going on. The total No. of teachers (40 per district) 520 have been selected. An amount of **Rs. 78.00 lakhs** will be required for this activity.

The details are given below:-

### **Financial requirement**

<b>S.No.</b>	<b>Name of Districts</b>	<b>No. of Teachers</b>	<b>Unit cost</b>	<b>Total cost</b>
1	Almora	80	0.075	6.00
2	Bageshwar	80	0.075	6.00
3	Chamoli	80	0.075	6.00
4	Champawat	80	0.075	6.00
5	Dehradun	80	0.075	6.00
6	Haridwar	80	0.075	6.00
7	Nainital	80	0.075	6.00
8	Pauri	80	0.075	6.00
9	Pithoragarh	80	0.075	6.00
10	Rudraprayag	80	0.075	6.00
11	Tehri	80	0.075	6.00
12	U.S. Nagar	80	0.075	6.00
13	Uttarkashi	80	0.075	6.00
<b>Total</b>		<b>1040</b>	<b>0.075</b>	<b>78.00</b>

The detail of bifurcation of unit cost in subheads is as follows:-

<b>S.No.</b>	<b>Subheads</b>	<b>Cost</b>
1	TA/DA of participants	1000
2	Lodging and Boarding	600
3	Registration/Course fee	4000
4	Honorarium	900
5	Lodging and Boarding of MTs	300
6	TA and Local Transportation of MTs	600
7	Contingency	100
<b>Total</b>		<b>7500</b>

## Research at district level

Research is an important initiative to find the gaps in the implementation of RMSA in the State. It will also help to find out suitable strategies to improve RMSA functioning. District specific research is proposed in this plan. The district will select the final themes for these researches. Majority of the district have proposed to carry out research/survey pertaining to the status of out of school children at the secondary level. This research activity will be conducted in convergence with the DIETs and the department of higher education of Uttarakhand. An amount of Rs. 13.00 lakh would be needed for this activity.

The details are given below:-

<b>S.No.</b>	<b>Name of the districts</b>	<b>No. of research</b>	<b>Unit cost (in lakhs )</b>	<b>Total Cost (in lakhs)</b>
1	Almora	1	1.00	1.00
2	Bageshwar	1	1.00	1.00
3	Chamoli	1	1.00	1.00
4	Champawat	1	1.00	1.00
5	Dehradun	1	1.00	1.00
6	Haridwar	1	1.00	1.00
7	Nainital	1	1.00	1.00
8	Pauri	1	1.00	1.00
9	Pithoragarh	1	1.00	1.00
10	Rudraprayag	1	1.00	1.00
11	Tehri	1	1.00	1.00
12	U.S. Nagar	1	1.00	1.00
13	Uttarkashi	1	1.00	1.00
<b>Total</b>		<b>13</b>	<b>1.00</b>	<b>13.00</b>

## Chapter VII Planning for Implementation

### Implementation Schedule & Responsibilities Monitoring, Inspection & Supervision

Monitoring is an internal management process of continuous control of inputs, processes and outputs in order to identify strengths and weaknesses, formulate practical proposals for action and take the necessary steps to reach the expected results. It is important to remember that monitoring include action and is not simply limited to an identification of strengths and weaknesses.

At the secondary level monitoring is done through the inspectorate system. This system has served largely to exercise authority and control rather than provide academic support to teachers. The school inspectors perform a number of functions, one of which is to visit schools under their preview. Their visits are usually few and far between, during which the students and teachers tend to present a positive picture of the school, regardless of the ground realities due to fear of punishment. This reduces monitoring to a 'policing' function.

**"Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad"** has been constituted under Societies Registration Act, 1960 on 7<sup>th</sup> February 2009 with reference to the chapter 8 sub section 8.2 of the guidelines as prescribed by Govt. of India. The main objective of the formation of the Society is for functioning, monitoring and quality education in school education with regard to different schemes assisted by the State and the Central Govt. like Rastriya Madhyamik Shiksha Abhiyan (RMSA), Information and Communication Technology (ICT), Inclusive Education for Disabled at Secondary Stage (IEDSS), Girls hostel etc.

To achieve the goal of the Society following committees have been constituted-

#### General Assembly

1	Chief Minister, Uttarakhand	Chairman (Ex-officio)
2	School Education Minister, Uttarakhand	Vice chairman (Ex-officio)
3	Minister of Finance and Planning, Uttarakhand	Member
4	Minister of Social Welfare, Woman Empowerment and Child Development, Uttarakhand	Member
5	Chief Secretary, Uttarakhand	Member (Ex-officio)
6	Secretary School Education, Uttarakhand	Member (Ex-officio)
7	Secretary Social Welfare, Uttarakhand	Member
8	Secretary Development and Panchayati Raj, Govt. of Uttarakhand	Member

9	Additional Secretary School Education	Member
10	Director SCERT	Member
11	Additional Project Director, RMSA	Member
12	Three members of Nongovernmental organization working in the field of education in state nominated by state govt. (minimum one woman and one from SC/ST category).	Member
13	Head of the academic and technical institution working in the field of resource development nominated by state govt. (Maximum 05)	Member
14	(a) Well deserve and dedicated three teacher nominated by state govt. (minimum are woman and one from SC/ST category). (b) Three principals with outstanding dedication and fame in secondary education nominated by state government, minimum one woman and one from SC/ST category.	Member Member
15	Other Ex-officio member of state govt. (a) Head of the committee from selected district (b) Three Head of Department of elementary/secondary education from SCERT. (c) Working Head of District Task Force.	Member Member Member
16	(a) Representative of Govt. of India Nominated representative from MHRD (b) Director NCERT, New Delhi (c) Director NUPA, New Delhi (d) Two educationists of famous for their experience and teaching aptitude nominated by Govt. of India and State Govt. (e) Director National education council, New Delhi (f) Vice-Chancellor Garhwal and Kumaun University	Member Member Member Member Member Member
17	Director General, School Education	Member Secretary (Ex-officio)

### **Executive Committee**

1	Chief Secretary Uttarakhand Govt.	Chairman (Ex-officio)
2	Secretary School Education Uttarakhand Govt.	Vice Chairman (Ex-officio)
3	Secretary of Finance and Planning Uttarakhand Govt. or representative	Member
4	Secretary, Rural Development and Panchayati Raj, Govt. of Uttarakhand	Member
5	Additional Secretary School Education, Uttarakhand Govt.	Member

6	Additional Director School Education	Member
7	Director Women empowerment and child development or representative.	Member
8	Two selected head of district task force nominated by chairman (cyclic order)	Member
9	Two Directors/representatives of state level academic and technical resource agencies nominated by the state govt.	Member
10	One educationist without teaching aptitude and experience nominated by state and central govt.	Member
11	Female chairman, with specific capacity in formal and innovative education.	Member
12	Person from non-governmental organization with specific quality to work with SC/ST communities nominated by chairman.	Member
13	Director SCERT Uttarakhand	Member
14	Secretary, Uttarakhand Board of Secondary Education	Member
15	State Project Director, RMSA	Secretary (Ex-officio)

### **State Programme Committee**

1	Additional State Project Director, RMSA	Chairman
2	Representative of NUPA, NCERT, SCERT, SIEMAT, Garhwal and Kumaun University	Members
3	Joint State Project Director (RMSA)	Member Secretary

### **Sub-committees of the Executive Committee**

The manual of the Society vide section 44 confers the Executive Committee, the right to constitute different sub-committees to conduct the different programmes and delegate the powers to these committees. Hence, the Finance Committee and the Programme Monitoring Committees have been constituted as subcommittees by the Executive Committee-

### **Finance Committee**

1	Principal Secretary Finance, Govt. of Uttarakhand	Chairman
2	Secretary School Education, Govt. of Uttarakhand	Member
3	One representative of finance deptt. nominated by Principal Secretary or Secretary Finance.	Member
4	Additional Secretary (Secondary Education)	Member
5	Additional Secretary (Basic Education)	Member
6	Additional Secretary (Planning)	Member
7	State Project Director, SSA	Member
8	Additional Director SCERT	Member

9	Additional Director SIEMAT	Member
10	Additional Director School Education	Member
11	Finance Controller SSA	Member
12	Finance Controller RMSA	Member
13	Finance Controller School Education	Member
14	Additional State Project Director RMSA	Member
15	Nominated representative of govt. of India	Member
16	Director General/State Project Director RMSA	Secretary Member

The main objective of the Finance Committee is to scrutinize the proposals financially, Financial approval for new programmes to be under taken, advising the Executive Committee on financial matters and all other duties as assigned by the Chairman of the Executive Committee.

Meeting of Executive Committee and Finance Committee of "Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad" organized in year 2010-11.

<b>Committee</b>	<b>Date of Meeting</b>	<b>Approved Agendas</b>
Finance Committee	06 Jul, 2010	<ul style="list-style-type: none"> <li>• Approved of Annual Work Plan and Budget 2010-11 and Perspective Plan 2009-2017 of RMSA.</li> <li>• Approved of Annual Work Plan of Girls Hostel.</li> <li>• Decision on construction agency for RMSA and approval unit cost for civil work at schedule rates with additional cost barred by State Govt. a construction works.</li> <li>• Approval a project package for project functionaries.</li> <li>• Approval a procurement process as per Uttarakhand Procurement Rule-2008 in Parishad.</li> <li>• Approval an implementation of Secondary Level projects through Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad.</li> </ul>
Executive Committee	16 Jul, 2010 24 Nov, 2010	

### **Programme Monitoring Committee**

1	Secretary School Education Govt. of Uttarakhand	Chairman
2	Additional Secretary Finance Govt. of Uttarakhand	Member
3	Additional Secretary (Secondary Education)	Member
4	Additional Secretary (Basic Education)	Member
5	Additional Secretary (Planning)	Member
6	State Project Director, SSA	Member
7	Additional Director SCERT	Member
8	Additional Director SIEMAT	Member
9	Additional Director School Education	Member

10	Additional State Project Director RMSA	Member
11	Additional State Project Director SSA	Member
12	Secretary Uttarakhand School Education Shiksha Parishad Ramnagar	Member
13	One District Project Officer (RMSA) nominated by Secretary School Education	Member
14	One Block Education Officer nominated by Secretary School Education	Member
15	Representative of Non-governmental organizations working in the field of education nominated by chairman.	Member
16	Representative of recognized Govt. teacher association.	Member
17	Representative of recognized secondary teachers association.	Member
18	Director General/State Project Director, RMSA	Member Secretary

The Main objective of the Programme Monitoring Committee is to prepare the plan and ensure functioning and monitoring as per the rights and duties delegated by the Chairman of the Executive Committee. The Chairman of Programme Monitoring Committee as been delegated the right to take the prompt decision in favour of the project under instantaneous needs and get the decisions endorsed in the forthcoming meeting of Executive Committee.

### **District Project Committee**

District Project Committee of RMSA has been constituted at the District Level under the chairmanship of the concerned District Magistrate.

1	District Magistrate	Chairman
2	District Education Officer	Vice Chairman
3	Finance and Account Officer (Secondary Education)	Member
4	Additional District Education Officer (Basic)	Member
5	District Social Welfare Officer	Member
6	Chief Medical Officer	Member
7	District in charge of National Information Centre	Member
8	Assistant Finance and Account Officer (Secondary Education) related district	Member
9	Representative of non-governmental organization nominated by Chairman	Member
10	One Educationist nominated by Chairman	Member
11	Representative of social archivist working in the field of education nominated by Chairman	Member
12	One District Panchayat Member nominated by Chairman District Panchyat (Cyclic order)	Member
13	One Block Panchyat Pramukh nominated by chairman	Member
14	One representative of SC/ST/OBC nominated by chairman	Member

15	One chairman of SMDC/PTA nominated by district education officer	Member
16	One representative nominated by State Project Director	Member
17	Two Principals/Headmaster Intermediate/High School nominated by DEO minimum one female representative	Member
18	Representative of recognized Govt. teacher/secondary teacher associate	Member
19	Addition District Education Officer (Secondary)/District Project Officer	Member Secretary

### **School Level Committee**

#### **School Management and Development Committee**

At the school level, a School Management and Developments Committee (SMDC) constituted, which is be responsible for making the perspective and annual work plans at the school level. A savings bank account is opened in the name of the concerned SMDC of every school in the nearby branch of any nationalized bank. The following is the structure is proposed for SMDC at the school level-

1	Principal	Chairman
2	Senior teacher	Member Secretary
3	Teacher (Social Science)	Member
4	Teacher (Science)	Member
5	Teacher (Mathematics)	Member
6	Male Guardian	Member
7	One Female Guardian	Member
8	Two Parnchayat Member/Ward Member	Member
9	One representative of SC/ST Category	Member
10	One representative of Educationally backward cadre	Member
11	One Member of Mahila Dal	Member
12	One Member of Education Development Committee of every village resaved by school	Member
13	Three members with science, art and cultural background Nominated by DPO/DEO	Member
14	One Education Office Nominated by DEO	Member
15	One representative of Finance and Accounts	Member

The meeting of SMDC is held minimum once in every three month. SMDC is comprised of two subcommittees-

- (1) School Construction Monitoring Committee
- (2) Educational Committee.

These committee is constituted as follows-

#### **1. School Construction & Monitoring Committee**

The Committee takes stock of the School Planning, estimates, management inspections, monitoring, reporting, maintenance of accounts, and



presentation of accounts in the meetings of SMDC and village education committee. The committee is be as follows-

1	Principal	Chairman
2	Member Panchayat (nominated by Gram Pradhan/ward member (urban area)	Member
3	One Guardian nominated by PTA	Member
4	Junior Engineer(expertise in construction work)	Member Secretary
5	One member of Finance and Account cadre	Member

The meeting of school construction committee is be held once in every three months. The committee monitors the different construction works being under taken in the school regularly. After the start of construction work, the evaluation will be done by third party technical institute/institution which will give its report after completion of 25%, 50% & 75% of the work respectively. Construction work is done by the construction agency in school.

## **2. Educational Committee**

The committee is responsible for all educational activities, planning, management, monitoring, supervision, SEMIS, quality education, equity, children with special needs, student-teacher attendance, teacher training, guidance & Counseling, student achievement and curricular activities. The members of the committee are as follows-

1	Principal	Chairman
2	Guardians of one student studying in all secondary classes	Member
3	One Astd. Teacher each of the following subjects: Science/Maths, Social Science, Language (Hindi/English), Art/Physical Education	Member
4	One member to be nominated by the Principal	Member Secretary

## **Parent-Teacher Association**

Parents Teacher Association is constituted in every school. The meeting of this association is held minimum once in every month. Every teacher maintains a register in which suggestions and complaints of the guardians will be registered and the principal sees and insures that actions are taken as per suggestions and complaints, regularly. This register is produced in the monthly meetings of SMDC.

## **Project Implementation**

State Project Office at state level and District Project Office at district level are established for project implementation. Block Education Officer are nominated as Ex-Officio, Block Project Officer at block level. Employees are deputed on deputation or outsourcing basis in State Project Office and District Project Office, State Government rules and regulations on deputation or rules and regulations of outsourcing agency are applicable on the same. The lien of

employee is maintained in his/her department on deputation. The detail of sanctioned post at different level is following-

(As on 31<sup>st</sup> March, 2011)

<b>Name of Office</b>	<b>Details of Post</b>	<b>Sanct ioned</b>	<b>Work ing</b>	<b>Vac ant</b>	<b>Type of Posting</b>
Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad, State Project Office, Dehradun	State Project Director	1	1	0	Ex-Officio, Director General, School Education
	Additional State Project Director	1	0	1	Deputation
	Finance Controller	1	1	0	Ex-Officio, Finance Controller, SSA
	Joint State Project Director	2	2	0	Deputation
	Finance Officer	1	0	1	Deputation
	Assistant State Project Director	4	4	0	Deputation
	Administrative Officer	1	1	0	Deputation
	Accountant	1	1	0	Deputation
	Computer Operator	3	3	0	Outsourcing
	Peon	3	3	0	Outsourcing
District Project Office, Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad	District Project Officer	13	13	0	Ex-Officio, ADEO (Madhyamik)
	District Resource Person (Academic, Evaluation & Innovation)	13	12	1	Deputation
	District Resource Person (Construction, Planning & SEMIS)	13	11	2	Deputation
	Assistant Account Officer	13	0	13	Deputation
	Accountant	13	9	4	Deputation
	Computer Operator	13	10	3	Outsourcing
Block Project Office	Block Project Officer	95	95	0	Ex-Officio, Block Education Officer

### State level monitoring-

Activities	Monitoring Agency	Member	Steps to be taken
Civil Work	SPO, Uttarkhand Sabhi Ke Liya Madhyamik Shiksha Parishad	<ul style="list-style-type: none"> <li>• Executive Engineer</li> <li>• J.D. Planning and Civil work</li> <li>• External Agency</li> <li>• Construction Agency (Irrigation Dept. &amp; Rural Engineering Service, Uttarakhand)</li> <li>• ASPD (Construct Work)</li> <li>• External Monitoring Agency</li> </ul>	<ul style="list-style-type: none"> <li>— Supervision of work according to map design.</li> <li>— Monitoring of qualitative aspect of civil work.</li> <li>— Testing the quality of material.</li> <li>— Reporting to SPO.</li> <li>— Release of the Budget.</li> <li>— Spot verification of the civil work.</li> <li>— Quarterly/monthly progress of civil work and reporting.</li> <li>— Monitoring of quality of construction.</li> <li>— To insure quality work.</li> <li>— Action Taken.</li> </ul>
Finance	SPO, Uttarkhand Sabhi Ke Liya Madhyamik Shiksha Parishad	<ul style="list-style-type: none"> <li>• Finance Controller</li> <li>• Account Officer</li> <li>• Statutory Audit by external firm</li> <li>• Performance Audit</li> <li>• Social Audit by local bodies</li> </ul>	<ul style="list-style-type: none"> <li>— To prepare monthly and quarterly progress report.</li> <li>— Allocation of the budget from time to time according to the proposal.</li> <li>— Physical verification of the spot and financial records.</li> <li>— Implementation of the suggestions of the audit report.</li> <li>— Monitoring of all the financial aspects at different levels.</li> </ul>
Academic	SCERT, Board SPO	Functionaries of <ul style="list-style-type: none"> <li>• SCERT Board</li> <li>• J.D. Academic (SPO)</li> <li>• ASPD (Academic)</li> <li>• ASPD (Innovation)</li> </ul>	<b>Monitoring of quality of all the academic aspects-</b> <ul style="list-style-type: none"> <li>— Curriculum and text books.</li> <li>— Teachers training.</li> <li>— Remedial Teaching.</li> <li>— Continuous and comprehensive evaluation.</li> <li>— Research and action research.</li> <li>— Guidance and Counseling.</li> <li>— Innovative activities.</li> <li>— Teaching learning process.</li> <li>— Learning Resource Centers.</li> <li>— Classroom process.</li> <li>— Quality education of children with special needs.</li> <li>— Monthly/quarterly/yearly reporting and monitoring of all the activities for qualitative improvement.</li> </ul>
Planning	SIEMAT and SPO	Functionaries of <ul style="list-style-type: none"> <li>• SIEMAT</li> <li>• ASPD</li> <li>• JSPD (Plan)</li> <li>• ASPD (Plan)</li> <li>• ASPD (MIS)</li> </ul>	<ul style="list-style-type: none"> <li>— Monitoring and Supervision of SEMIS data.</li> <li>— Monitoring of the quality of the plan.</li> <li>— Monitoring of the norms set up by the central govt.</li> <li>— Appraisal of district plans.</li> <li>— Monitoring of the implementation of the plan according to the set target.</li> <li>— Monitoring of the quality of the training of managerial functionaries.</li> </ul>

Administrative	Directorate	Directorate of School Education	— Implementation of the suggestions based on monitoring report.
States Internal mission	Board, SCERT, SSA, SIEMAT, Directorate and University	One member from Board, SCERT, SPD (SSA), SIEMAT Directorate of School Education, University members	— A review mission will monitor all the activities in every six month.
State Resource group		Subject experts, finance experts, NGO's, Educationist, PRI, member, experts of national academic and planning agencies.	— To provide suggestions to SPO regarding preparing the plan and its implementations.

**District Level** – The district project committee has been formed in the chairmanship of district magistrate. Its role is to monitor and implement all kinds of activities under the perspective plan and AWP&B. Additional District Education Officer (Secondary) will be the district project officer and his role will be monitor and supervise all activities. District Education Officer will be the patron of RMSA of all administrative and academic work will be done by DEO.

Activities	Monitoring Agency	Member	Steps to be taken
District/ Infrastructure 1	DPO and External Agencies	<ul style="list-style-type: none"> <li>• A.E. Civil work</li> <li>• District Resource</li> <li>• Person planning</li> <li>• and civil work</li> </ul>	<ul style="list-style-type: none"> <li>• Supervision of work according to map design.</li> <li>• Monitoring of qualitative aspect of civil work.</li> <li>• Testing the quality of material.</li> <li>• Reporting to DPO.</li> <li>• Spot verification of the civil work.</li> <li>• Quarterly/monthly progress of civil work and reporting.</li> <li>• Monitoring of quality of construction.</li> <li>• To insure quality work.</li> <li>• Action Taken.</li> <li>• To check the quality work and reporting.</li> <li>• Supervision and Monitoring of SEMIS data.</li> <li>• Support to SMDC.</li> </ul>
Financial	DPO	<ul style="list-style-type: none"> <li>• Assistant Finance</li> <li>• and Account</li> <li>• officers</li> </ul>	<ul style="list-style-type: none"> <li>• To prepare monthly and quarterly progress report.</li> <li>• Physical verification of the spot and financial records.</li> <li>• Implementation of the suggestions of the audit report.</li> <li>• Monitoring of all the financial aspects at the district and school levels.</li> <li>• To monitor school level account, audit and progress.</li> </ul>
Academic	DPO and DIET	<ul style="list-style-type: none"> <li>• DIET (05 subject experts)</li> <li>• District Resource person</li> <li>• Academic, Evaluation and</li> <li>• Innovations.</li> </ul>	<ul style="list-style-type: none"> <li>• Supervision, monitoring and reporting of all the academic activities.</li> <li>• To monitor school level academic activities.</li> <li>• To monitor the implementation of teacher training in classroom process.</li> </ul>

Planning	SPO and DIET	<ul style="list-style-type: none"> <li>Functionaries of DIET and SPO</li> </ul>	<ul style="list-style-type: none"> <li>Monitoring and Supervision of SEMIS data.</li> <li>Monitoring of the norms set up by the central govt.</li> <li>Appraisal of district plans.</li> <li>Monitoring of the implementation of the plan according to the set target.</li> </ul>
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**Block Level** – Block Education Officer will be responsible for all administrative and academic work at the block level.

Activities	Monitoring Agency	Member	Steps to be taken
Civil Work, Financial, Academic, Planning	Block Education Office and External Agencies	<ul style="list-style-type: none"> <li>JE Civil work</li> <li>B.E.O.</li> <li>Regional</li> <li>Education officers.</li> </ul>	<ul style="list-style-type: none"> <li>Monitoring and reporting at the three levels of construction- <ul style="list-style-type: none"> <li>Plinth level.</li> <li>Door band level.</li> <li>Lintel level.</li> </ul> </li> <li>Monthly reporting at the district.</li> <li>Collection and verification of SIEMS data.</li> <li>Monitor and supervise all the academic and administrative activities.</li> </ul>

**School Level** – At the school level SMDC has been formed. It has two sub committees i.e. Civil work Monitoring Committee and Academic Committee. Its main functions will be monitoring and supervision of the activities related to school.

Activities	Monitoring Agency	Member	Steps to be taken
Civil Work	Construction Monitoring Committee	<ul style="list-style-type: none"> <li>Principal</li> <li>Functionaries of School Infrastructural Development committee</li> <li>JE of construction agency</li> </ul>	<ul style="list-style-type: none"> <li>Monitoring and reporting weekly/monthly progress to block and district level.</li> <li>Monitoring of school planning.</li> </ul>
Academic	School Academic Committee	<ul style="list-style-type: none"> <li>Member of academic Committee</li> </ul>	<ul style="list-style-type: none"> <li>Monitoring of academic aspects related to quality improvement.</li> <li>To assess the child progress.</li> <li>Monitoring of Management, teaching-learning processes and school administration.</li> <li>Result obtained.</li> <li>Action plan</li> </ul>

### 1. State Level Activities Under MMR

	Activity	Brief about activity
<b>1</b>	<b>Research &amp; Evaluation</b>	
1.1	GIS Mapping & School Mapping	GIS mapping will conduct with help of outer agency Uttarakhand Antriksha Upyog Kendra (USAC). School mapping exercise will conduct in all 13 districts.
1.2	Research Study	
<b>2</b>	<b>Planning Monitoring and Supervision</b>	
2.1	Monthly Review Meeting of District Level Officers at SPO	Review of RMSA activities in State/district.
2.2	Orientation Workshop & Seminar	Meeting of SRGs. Workshop on TNA conducted.
2.3	Preparation of AWP&B	Workshop on AWP&B preparation
2.4	Approval of AWP&B	Meeting of Appraisal Team
2.5	Capacity Building Programme	Organisation capacity building programme for SPO and DPO functionaries
2.6	Monitoring Civil Work	Field visit and third party evaluation of civil work

2.7	Field Visit of SPO Officials	For physical verification and awareness building of SPO official study tour and exposer visit will organised.
<b>3</b>	<b>Management and Quality</b>	
3.1	Salary	For all SPO staff.
3.2	Capacity Building Programme for Project Functionaries	26 DRPs and 13 DPOs, 13 AAOs and 13 computer operators will oriented.
3.3	Strengthening OF MIS (SEMIS)	Printing of DCF and data entry, purchasing of computers and other accessories.
3.4	Innovation & other Activities	Separate write up submitted.
3.5	Examination Reform	Workshop implementation and sharing of CCE
3.6	School Environment Building	Introduced school grading system
3.7	Analysis of Examination Result	Analysis of IX class examination result of 04 core subjects
3.8	Other Office Expenses	All Office Expensive, Printing of Various Formats & Registers, Brocers, Pamphlets etc., AWP&B Preparation, TADA, Vehicles Hiring, POL, Contingency, Consultancy etc.
<b>2. District Level Activities Under MMER</b>		
1	Monitoring Activities	Block Level Monitoring District Level Monitoring
2	Research and Evaluation	
3	Salaries	Salary of office staff
4	TA/DA	
5	Contingency	
6	Office Equipments	
7	Hiring of Vehicle	
8	Computer/Laptops Expenditure	

**Table 7.0 Activities proposed under MMER in 2012-13**

**1. State Level Activities**

S.N.	State Level Format	Amount In Lakhs Proposed Outlay
<b>1</b>	<b>Research Study</b>	
	<b>Sub Total</b>	<b>0.00</b>
<b>2</b>	<b>Quality</b>	
2.1	SRG Meeting	3.00
	<b>Sub Total</b>	<b>3.00</b>
<b>3</b>	<b>Supervision &amp; Monitoring</b>	
3.1	Monthly Review Meeting of District Level Officers at SPO	6.00
3.2	Orientation Workshop & Seminar (06)	6.00
3.3	Field Visit of SPO Officials	3.00
	<b>Sub Total :</b>	<b>15.00</b>
<b>4</b>	<b>Management and Quality</b>	
4.1	Salary	75.00
4.2	Honorarium	7.50
4.3	Capacity Building Programme for Project Functionaries	2.00
4.4	Strengthening of State Level Institute (SCERT, SIEMAT & Board)	0.00
4.5	Strengthening OF MIS (SEMIS)	0.00
4.6	Hiring of Vehicle	15.00
4.7	Consultancy	5.00
4.8	Contingency	10.00
4.9	Printing of Material	5.00
4.10	Office Equipment	5.00
4.11	AWP&B Preparation	2.00
4.12	TA/DA	12.00
4.13	Other Office Expenses	15.00
	<b>Sub Total</b>	<b>153.50</b>
	<b>Total</b>	<b>171.50</b>

## 2 District Level Activities

<b>Sr. No.</b>	<b>District Level Format</b>	<b>Financial</b>
<b>1</b>	<b>Monitoring Activities</b>	
1.1	Block Level Monitoring	19.00
1.2	District Level Monitoring	13.00
	<b>Sub Total</b>	<b>32.00</b>
<b>2</b>	<b>Research and Evaluation</b>	
	<b>Sub Total</b>	<b>0.00</b>
<b>6</b>	<b>Management</b>	
6.1	Salary	260.00
6.2	Honorarium	26.00
6.3	TA/DA	26.00
6.4	Contingency, Meeting, workshop & other office expense	39.00
6.5	Office Equipments	6.50
6.6	Hiring of Vehicle	32.50
6.7	Computers/Laptops & other exp.	13.00
	<b>Sub Total</b>	<b>435.00</b>
	<b>Total</b>	<b>467.00</b>
	<b>Grand Total (State + District)</b>	<b>638.50</b>

## **Chapter VIII**

### **Budget Estimates**

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GOI releases funds based upon the approved Annual works plan and budget (AWPB) of SIS. The fund will be released in two installments. For this purpose the separate bank account has been opened. The first release is made soon after the approval of the AWPB and is approximately 50 percent of the GOI share. Subsequently, the state government releases its share to the SIS. The second installment is released based upon demand from the state (usually six months after the first release) in a similar manner. This release takes into account the expenditure incurred and a forecast of cash requirements for the rest of the financial year.

**WITHIN THE STATE:-** A separate bank account has been maintained by all district project offices and School Management and Development Committee (SMDC)s. The SIS releases funds to the district office based upon the approved annual plan, expenditure incurred, and future requirements. Further the district office releases funds to the SMDC and schools following the same principles. However, releases at this level consider 'norms' as laid down in the proposed RMSA manual.

In the fund flow it is important to note that all releases from GOI are made electronically and a significant number of districts will further release the funds to implementing agencies, electronically.

Procurement for RMSA is carried out in accordance with the Manual for financial Management and Procurement (FMP) with the state procurement rule 2008. Audit will be done by impaneled chartered accountant. The utilization certificate is duly forwarded to the MHRD by the state governing council for further release. The district maintains the accounts in the double entry system. The state office audits the computerized daywise, headwise, monthwise expenditure periodically.



Monthly review will be organized by the state to assess the level of performance.

### **TRANSPARENCY AND ACCOUNTABILITY:-**

**ROLE OF STATE GOVERNMENT:-**The Right to Information Act should be followed both in letter and in spirit by all the implementing machinery of the Government Departments in all matters relating to RMSA .Section 4 of the Act which concerns proactive disclosure of information, should be strictly complied with all levels. Key documents related to the RMSA should be proactively disclosed to the public. Without waiting for anyone to “apply” for them .A list of such documents should be prepared by the State Mission and updated from time to time. Public access to key records and key information should be ensured at all levels. This should also be displayed on the website.

The school display board has to show all investments being made in the school. Teacher attendance should be publically displayed, for improving the quality of school level data regarding enrolment, attendance, retention dropout etc. besides the maintenance of other records and registers.

Monthwise updated data on-progress of each component of the scheme, progress of expenditure and utilization including funds received and spent. Payments made, works sanctioned and works started, cost of works and details of expenditure on it, duration of work etc. should be made public in a pre-designated format outside all offices of all agencies involved in implementing the scheme. All these information should also be shared with the Gram Panchyats/ULBs and should be discussed in their meetings.

Similar efforts at transparency should be made right up to the State level. Copies of all sanctioned orders for re project/project activities would be pasted on the website of the department of secondary education.

**ANNUAL REPORTS:-**

The Central Government as well as the State Governments shall prepare an annual report on the implementation of the scheme. This report will be laid before parliament and the State Governments respectively.

**FINANCIAL AUDIT:-**

The Audit report of the Chartered Accountant and the Utilization certificate for the previous year must be submitted latest by September next year by the District Project Officer.

The District Project Officer will ensure that the opening and closing Balance included in both the Audit Report and the Utilization certificate tally. In case there is variation due to any unavoidable reason, it has to be clearly explained with reasons to the satisfaction of the SIS, with documentary support, if any.

**PHYSICAL AUDIT:-**

A physical audit of the works undertaken will be conducted to verify the quality of works and to check that the expenditures incurred have led to the creation of durable assets.

**ACTION ON AUDIT REPORTS BY THE STATE GOVERNMENT:-**

A copy of every audit report, whether conducted by the chartered accountant, the internal Audit and grievance cell and auditors of the Accountant General or Comptroller and Audit General and Social Audit reports (if any) will be sent to the State Government concerned.

The State government will ensure speedy action against the concerned officials/non-officials for misappropriation of funds, frauds, incorrect measurement, false entries in the registers/records and other irregularities of a serious nature, resulting in the leakage of Government/Public funds/resources. The state Government will also take appropriate steps to prevent such irregularities.

**Table 8.1 District wise Plan Summary AWP&B 2012-13  
(Rs. In Lakhs)**

S.No.	District	Fresh proposal (2012-13)		
		Recurring	Non Recurring	Total
1	Almora	1681.12	0.00	1681.12
2	Bageshwar	872.52	0.00	872.52
3	Chamoli	1274.06	0.00	1274.06
4	Champawat	898.52	0.00	898.52
5	Dehradun	1173.45	0.00	1173.45
6	Haridwar	1053.06	0.00	1053.06
7	Nainital	1197.62	0.00	1197.62
8	Pauri	1525.89	0.00	1525.89
9	Pithoragarh	1668.93	0.00	1668.93
10	Rudraprayag	614.00	0.00	614.00
11	Tehri	1461.85	0.00	1461.85
12	US Nagar	1511.54	0.00	1511.54
13	Uttarkashi	992.93	0.00	992.93
<b>State Component</b>		----	----	<b>171.50</b>
<b>Total</b>		<b>15925.49</b>	<b>0.00</b>	<b>16096.99</b>

**Table 8.2 Activity wise Annual Work Plan & Budget 2012-13**

(Rs. in Lakhs)

S.No.	Activities	Area	Fresh Proposal		
			Unit Cost	Phy.	Financial
			<b>Non Recurring</b>		
<b>1</b>	<b>New Schools</b>				
1.01	1 section school	Hill		0	0.00
		Plain		0	0.00
1.02	2 section school	Hill		0	0.00
		Plain		0	0.00
<b>Sub total</b>		<b>Hill</b>		<b>0</b>	<b>0.00</b>
		<b>Plain</b>		<b>0</b>	<b>0.00</b>
<b>2</b>	<b>Civil Works of new school</b>				
2.01	1 section school	Hill	63.53	0	0.00
		Plain	60.29	0	0.00
2.02	2 section school	Hill	79.23	0	0.00
		Plain	78.26	0	0.00
<b>Sub total</b>		<b>Hill</b>		<b>0</b>	<b>0.00</b>
		<b>Plain</b>		<b>0</b>	<b>0.00</b>
<b>3</b>	<b>Strengthening of existing schools</b>				
3.01	Additional Classroom	Hill	7.85	0	0.00
		Plain	8.99	0	0.00
3.02	Integrated Science Lab	Hill	11.78	0	0.00
		Plain	10.49	0	0.00
3.03	Head Master Room	Hill		0	0.00
		Plain		0	0.00
3.04	Office Room	Hill		0	0.00
		Plain		0	0.00
3.05	Computer Room	Hill	10.68	0	0.00
		Plain	9.39	0	0.00
3.06	Library	Hill	10.14	0	0.00
		Plain	8.99	0	0.00
3.07	Art and Craft room	Hill	6.11	0	0.00
		Plain	5.39	0	0.00
3.08	Girls Activity Room	Hill		0	0.00
		Plain		0	0.00
3.09	Toilet block	Hill	2.75	0	0.00
		Plain	2.25	0	0.00
3.10	Water facility	Hill		0	0.00
		Plain		0	0.00
3.11	Others/Lab equip.	Hill	1.00	0	0.00
		Plain	1.00	0	0.00
<b>Sub total</b>		<b>Hill</b>			<b>0.00</b>
		<b>Plain</b>			<b>0.00</b>
<b>4</b>	<b>Other Civil Work</b>				
4.01	Teacher Quarters	Hill		0	0.00
		Plain		0	0.00
<b>Sub Total</b>		<b>Hill</b>			<b>0.00</b>

		Plain			0.00
<b>5</b>	<b>Major repair</b>				
5.01	Major repair			0	0.00
<b>Subtotal</b>				<b>0</b>	<b>0.00</b>
<b>Total Non Recurring</b>					<b>0.00</b>
<b>Recurring</b>					
<b>6</b>	<b>Staff for new school</b>				
6.01	Head Master		0.50	0	0.00
6.02	Subject teacher 1		0.40	0	0.00
6.03	Subject teacher 2		0.40	0	0.00
6.04	Subject teacher 3		0.40	0	0.00
6.05	Subject teacher 4		0.40	0	0.00
6.06	Subject teacher 5		0.40	0	0.00
6.07	Subject teacher 6		0.40	0	0.00
6.08	Subject teacher 7		0.40	0	0.00
6.09	Subject teacher 8		0.40	0	0.00
6.10	Lab Attendant		0.10	0	0.00
6.11	Librarian/ Office Attn.		0.10	0	0.00
<b>Sub total</b>					<b>0.00</b>
<b>7</b>	<b>Staff for schools sanctioned in previous years</b>				
7.01	Head Master		0.50	228	1368.00
7.02	Subject teacher 1		0.40	228	1094.40
7.03	Subject teacher 2		0.40	228	1094.40
7.04	Subject teacher 3		0.40	228	1094.40
7.05	Subject teacher 4		0.40	228	1094.40
7.06	Subject teacher 5		0.40	228	1094.40
7.07	Subject teacher 6		0.40	81	388.80
7.08	Subject teacher 7		0.40	81	388.80
7.09	Subject teacher 8		0.40	0	0.00
7.10	Lab Attendant		0.12	228	328.32
7.11	Librarian/ Office Attn.		0.12	228	328.32
<b>Sub total</b>					<b>8274.24</b>
<b>8</b>	<b>Additional Teachers for existing schools</b>				
8.01	Subject teacher 1		0.40		0.00
8.02	Subject teacher 2		0.40		0.00
8.03	Subject teacher 3		0.40		0.00
8.04	Subject teacher 4		0.40		0.00
8.05	Subject teacher 5		0.40		0.00
8.06	Subject teacher 6		0.40		0.00
8.07	Subject teacher 7		0.40		0.00
8.08	Subject teacher 8		0.40		0.00
8.09	Lab Attendant		0.12	1781	2564.64
8.10	Librarian		0.10		0.00
<b>Sub total</b>					<b>2564.64</b>
<b>9</b>	<b>School Grant</b>				
9.01	School Grant		0.50	2078	1039.00
<b>Sub total</b>				<b>2078</b>	<b>1039.00</b>
<b>10</b>	<b>Minor Repair</b>				
10.01	Minor Repair		0.25	2060	515.00
<b>Sub total</b>				<b>2060</b>	<b>515.00</b>

<b>11</b>	<b>Teacher Training</b>				
11.01	Management Training for head masters		0.30	496	<b>148.80</b>
11.02	In-service training for existing teachers with MTs & KRPs		0.015	16128	<b>241.92</b>
11.03	Training for new teachers with MTs & KRPs		0.03	1696	<b>50.88</b>
11.04	Training for Lab. Astt. & Librarian/Office Astt. with MTs & KRPs		0.015	4132	<b>61.98</b>
11.05	Module Development		0.001	21905	<b>21.91</b>
<b>Sub total</b>					<b>525.49</b>
<b>12</b>	<b>Quality Interventions</b>				
12.01	Excursion trip for students (With in State)		0.002	106249	<b>212.50</b>
12.02	Study tours for students (Out of State)		0.02	1375	<b>27.50</b>
12.03	Study tours for teacher (With in State)		0.02	1981	<b>39.62</b>
12.04	Study tour for teachers (Out of State)		0.20	1046	<b>209.20</b>
12.05	Science Exhibition		1.00	13	<b>13.00</b>
12.06	Book fair		1.00	13	<b>13.00</b>
12.07	Special Teaching for Learning Enhancement		0.005	11686	<b>58.43</b>
12.08	Hub for Edusat		7.60	0	<b>0.00</b>
12.09	Promotion of Art/Craft		0.20	366	<b>73.20</b>
12.10	Quality Improvement workshop for teachers		0.075	1040	<b>78.00</b>
12.11	School Magazine		0.001	225832	<b>225.83</b>
12.12	Hand Book for Teachers		0.001	18079	<b>18.08</b>
<b>Sub total</b>					<b>968.36</b>
<b>13</b>	<b>Equity Interventions</b>				
<b>13.01</b>	<b>Girls oriented activities</b>				
13.01.01	Vocational Training		0.01	0	<b>0.00</b>
13.01.02	Transport Facility		0.035	12903	<b>451.61</b>
13.01.03	Personality Development Prog.		0.40	0	<b>0.00</b>
13.01.04	Self Defence Training for Girls		0.01	4670	<b>46.70</b>
<b>Sub total</b>					<b>498.31</b>
<b>13.02</b>	<b>SC/ ST oriented activities</b>				
13.02.01	Promotion of Art/Craft		0.20	0	<b>0.00</b>
13.02.02	Transportation Allowance		0.07	1497	<b>104.79</b>
13.02.03	Vocational Training		0.02	0	<b>0.00</b>
<b>Sub total</b>					<b>104.79</b>
<b>13.03</b>	<b>Educational Backward Minorities oriented activities</b>				
13.03.01	Camp		0.05	40	<b>2.00</b>
13.03.02	Activity 2		0.00	0	<b>0.00</b>
13.03.03	Activity 3		0.00	0	<b>0.00</b>
<b>Sub total</b>					<b>2.00</b>
<b>14</b>	<b>Interventions for Out of school children</b>				
<b>14.01</b>	<b>Open School System</b>				
14.01.01	Registration, Coaching & examination		0.02	0	<b>0.00</b>
14.01.02	Activity 2		0.00	0	<b>0.00</b>
14.01.03	Activity 3		0.00	0	<b>0.00</b>
<b>Sub total</b>					<b>0.00</b>
<b>15</b>	<b>Any other activity</b>				
15.01	Sports Equipments		0.20	95	<b>19.00</b>
15.02	Strengthening of SEMIS cell		11.30	13	<b>146.90</b>
15.03	Math Kit		0.09	2078	<b>187.02</b>

<b>Sub total</b>					<b>352.92</b>
<b>16</b>	<b>Guidance and Counselling</b>				
16.01	Salary for RPs/RAs		0.10	13	<b>15.60</b>
16.02	Tools for Schools		0.10	2059	<b>205.90</b>
16.03	Literature & display material		0.05	2059	<b>102.95</b>
16.04	Workshop for Teacher		0.40	97	<b>38.80</b>
16.05	State Level Cell		1.04	13	<b>13.52</b>
<b>Sub total</b>					<b>376.77</b>
<b>17</b>	<b>Community Training</b>				
17.01	Training of SDMC members		0.006	41580	<b>249.48</b>
<b>Sub total</b>					<b>249.48</b>
<b>18</b>	<b>MMER</b>				
<b>18.01</b>	<b>Monitoring Activities</b>				
18.01.01	Block Level Monitoring		0.20	95	<b>19.00</b>
18.01.02	District Level Monitoring		1.00	13	<b>13.00</b>
18.04.03	Activity 3		0.00	0	<b>0.00</b>
<b>Sub total</b>					<b>32.00</b>
<b>18.02</b>	<b>Research and Evaluation</b>				
18.02.01	Research at District Level		1.00	0	<b>13.00</b>
18.02.02	Activity 2		0.00	0	<b>0.00</b>
18.02.03	Activity 3		0.00	0	<b>0.00</b>
<b>Sub total</b>					<b>13.00</b>
18.03	Salaries		20.00	13	<b>260.00</b>
18.04	Honorarium		2.00	13	<b>26.00</b>
18.05	TA/ DA		2.00	13	<b>26.00</b>
18.06	Contingency, Meeting, workshop & other office expn.		3.00	13	<b>39.00</b>
18.07	Office Equipments		1.00	13	<b>13.00</b>
18.08	Hiring of Vehicle		2.50	13	<b>32.50</b>
18.09	Computers/ Laptops & other exp.		1.00	0	<b>13.00</b>
<b>Sub Total MMER</b>					<b>454.50</b>
<b>Total Recurring</b>					<b>15925.49</b>
<b>Grand Total (Non Recurring + Recurring)</b>					<b>15925.49</b>
<b>Total Civil Work</b>					<b>0.00</b>
State Component					<b>171.50</b>
<b>Total MMER</b>					<b>426.00</b>
<b>Grand Total</b>					<b>16096.99</b>
<b>MMER %</b>					<b>2.82</b>
<b>Civil Work %</b>					<b>0.00</b>

**Table 8.3 Activity wise Time schedule 2012-13**

Activities	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sep 12	Oct 12	Nov 12	Dec 12	Jan 13	Feb 13	Mar 13
<b>New Schools</b>												
<b>Civil Works of new school</b>												
<b>Staff for new school</b>												
<b>Strengthening of existing schools</b>												
Additional Classroom												
Integrated Science Lab												
Computer Room												
Library												
Art and Craft room												
Toilet block												
Lab. Equipments												
<b>Major repair</b>												
<b>Staff for schools sanctioned in previous years</b>												
<b>School Grant</b>												
<b>Minor Repair</b>												
<b>Teacher Training</b>												
<b>Furniture for existing schools</b>												
<b>Quality Interventions</b>												
Excursion trip for students												
Study tours (Administrators)												
Study tour for teachers												
Science exhibition at school level												
Science exhibition at district level												
Book fair												
Hub for edusat												
R.O.T.												
English Lang. Lab.												
maths Lab.												
<b>Girls oriented activities</b>												
Vocational Training												
Cycle Facility												
Personality Development Prog.												
Promotion of Art/Craft												
Transportation Facility												
Registration, Coaching & examination												
Strengthening of training venue												
Strengthening of SEMIS cell												
<b>Guidance and Counseling</b>												
Salary for RPs												
Tools for Schools												
Literature & display material(DIET)												
<b>Examination Reforms</b>												



