

Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad



**Integrated Annual Work Plan
& Budget (AWP&B)
2015-2016**



पढ़े चलो, बढ़े चलो

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Uttarakhand**

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Chapter - 1 State Profile

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 86th 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 11th 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.

1.2 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"> ▪ 02 Administrative divisions ▪ 13 Districts ▪ 78 Tehsils ▪ 95 Development Blocks ▪ 41 Cities ▪ 116 Towns 	<ul style="list-style-type: none"> ▪ 670 Nyaya panchayats ▪ 7590 Gram panchayats* ▪ 16826 revenue villages ▪ 15761 inhabited villages and ▪ 1065 unhabitated villages.
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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
		Female	41.63 Lakhs
		Total	84.89 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

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
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
UTTARAKHAND		Rural	3,144,590	3,165,685	6,310,275	642,087	614,035	1,256,122	122,808	117,401	240,209
		Urban	1,181,334	997,740	2,179,074	138,685	122,379	261,064	8,526	7,394	15,920
		Total	4,325,924	4,163,425	8,489,349	780,772	736,414	1,517,186	131,334	124,795	256,129

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
	Uttarakhand	10116752	5154178	4962574	19.17	963

Source: Census 2011

Table 1.5 DISTRICT-WISE POPULATION AS PER CENSUS 2001

S N	District	Total Population	Decadal G. Rate	SC		ST		Sex Ratio
				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
	STATE	8489349	19.20	1517186	18.81	256129	2.09	964

Source: Census 2001

Table 1.6 Literacy Status in 2001

Categories	India	Uttarakhand
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 District-wise Literacy Status in 2011

S.No.	District	Total	Male	Female
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
	Uttarakhand	79.63	88.33	70.70

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.



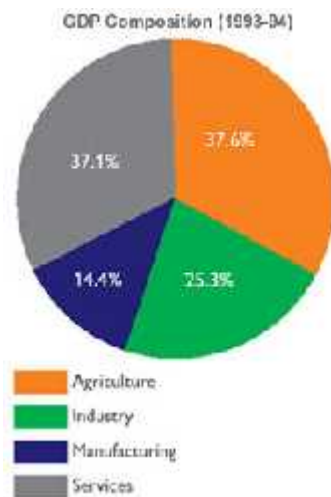
1.3 Economic Condition

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.

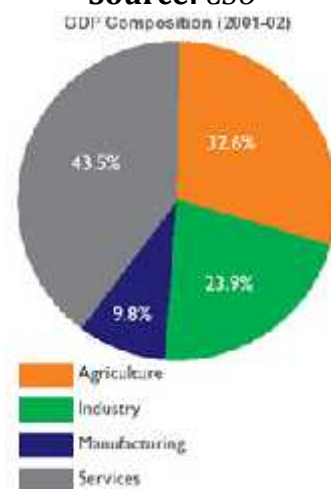
Inadequate production in the agricultural fields, increase in population, increasing demand on natural resources and lack of alternative employment opportunities within Uttarakhand together are responsible for out-migration of the men-folk from the villages to cities within State and outside. In the absence of men, customarily entire burden of managing household comes on women.

1.4 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

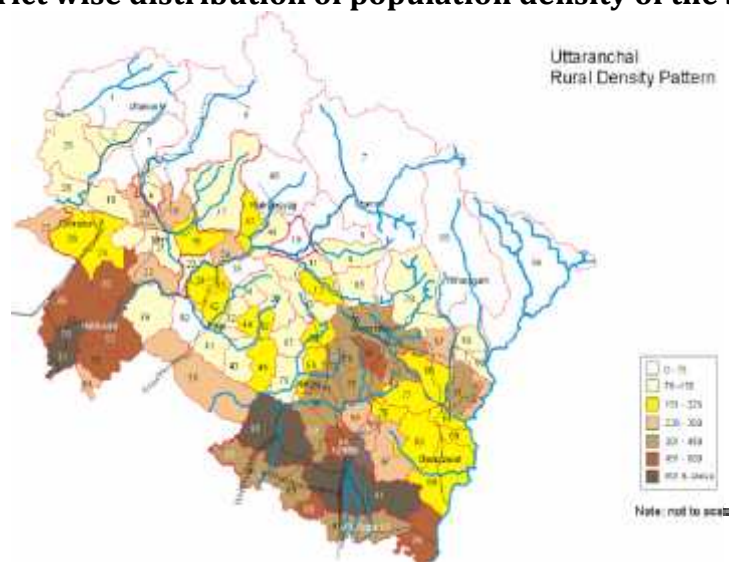
1.5 Infrastructure

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.

1.6 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 Rudraprayag 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
Total	74.41	95	27	25.59	63	38

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.

1.7 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 Cast-wise 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
	Total	84.01	60.26	72.28	77.30	48.70	63.40	76.40	49.40	63.20	55.78

Source : Census 2001

Table 1.10 Literacy Rate (2011)

S.No.	District	Total	Male	Female
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
	Uttarakhand	79.63	88.33	70.70

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.

1.8 Structure and Administration of Education

The Directorate of School Education has been upgraded to the Directorate of Elementary, Directorate of Secondary and Directorate of Training vide Notification Number EDN-C.A(1)-2/2004, dated 31.10.2005.

Elementary Education in the state is being looked after by the Directorate of Elementary Education through the office of Director (Elementary Education) at the state level. At the district level the elementary education is being looked by District Education Office (Elementary) through the office of DEO Elementary. There are District Institutes of Education and Training (DIET) in all the districts which provide pre-service and in-service training to the primary and upper primary school teachers. The district education officer (Elementary) is supported by Deputy Education Officer (DyEO) at the Education block level. Uttarakhand has 95 Educational Blocks.

There are three types of Elementary Schools-

- Independent Primary Schools with Classes form I to V
- Independent Upper Primary Schools with Classes form VI to VIII
- Primary Schools attached with Upper Primary Schools with Classes I to VIII

1.9 Secondary Education

The Secondary Education in the State is being looked after by the Department of Secondary Education, through Director, Secondary Education. There are four types of Secondary Schools-

- Independent Secondary Schools with Classes form IX to X
- Upper Primary Schools attached with Secondary Schools with Classes VI to X
- Upper Primary Schools attached with Secondary and Senior Secondary Schools with Classes VI to XII.
- Independent Senior Secondary Schools with Classes form XI to XII

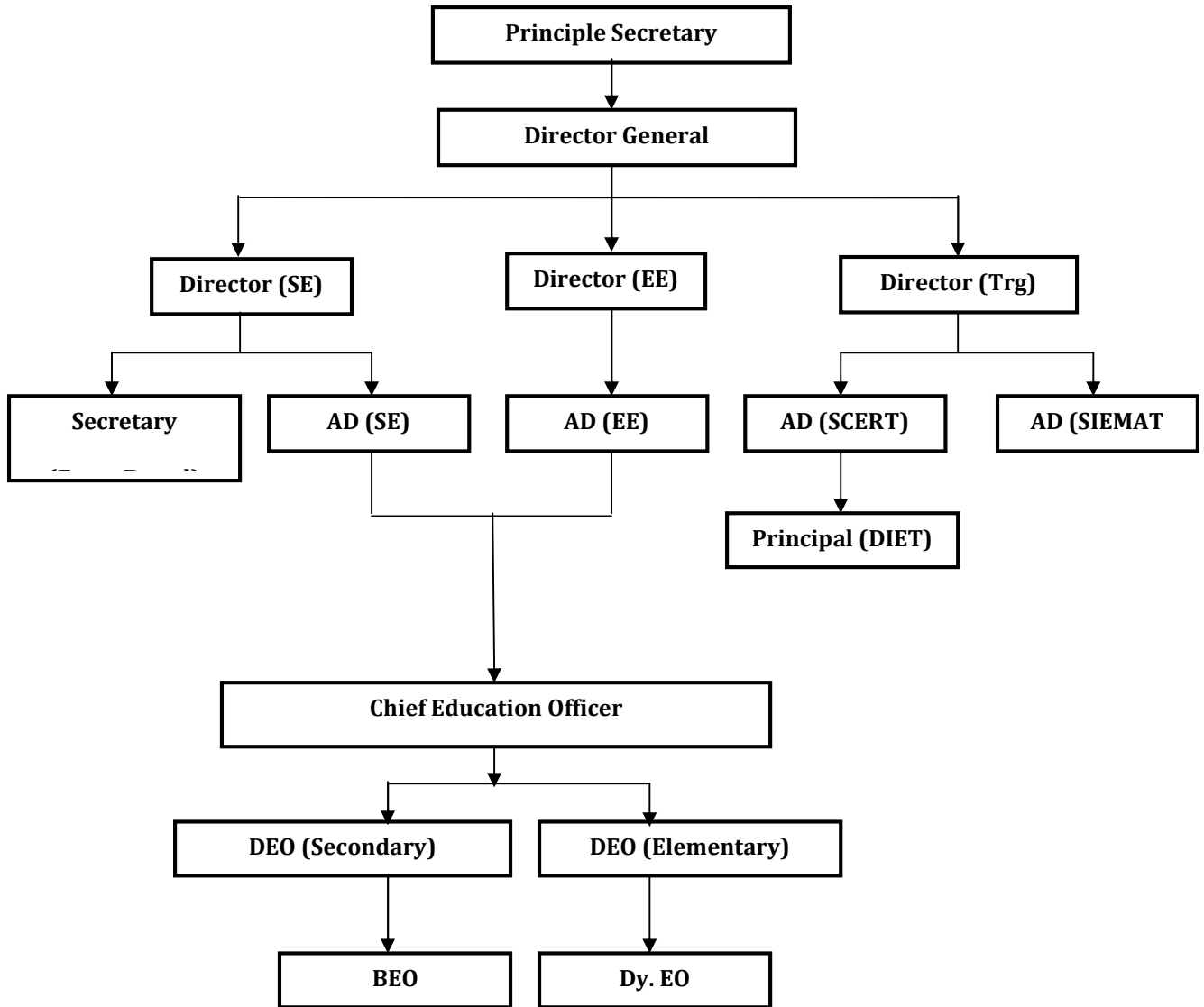
1.10 Statistical Profile

Table 1.11 Total Schools: All Management

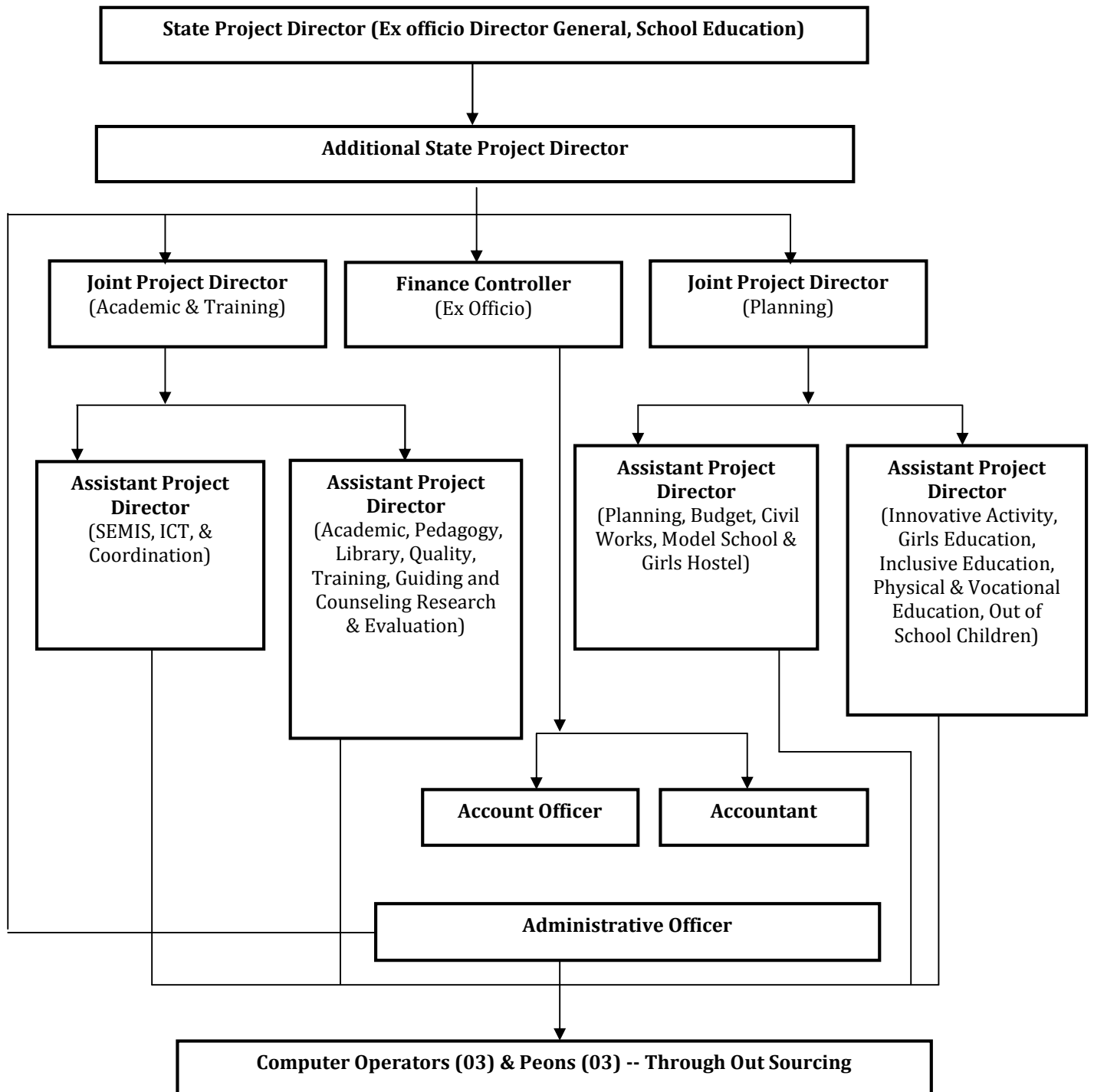
S. No.	Name of District	No. of Schools with classes I to X	No. of Schools with classes I to XII	No. of Schools with classes VI to X	No. of Schools with classes VII to XII	No. of Schools with classes VII to X	No. of Schools with classes VII to XII	No. of Schools with classes VIII to X	No. of Schools with classes VIII to XII	No. of Schools with classes IX to X	No. of Schools with classes IX to XII	No. of Schools with classes XI to XII
1	ALMORA	7	14	126	171	2	0	0	0	0	1	0
2	BAGESHWAR	0	3	55	56	0	0	0	0	0	0	1
3	CHAMOLI	4	5	89	115	0	0	0	0	9	5	0
4	CHAMPAWAT	0	2	50	52	0	0	0	1	5	4	0
5	DEHRADUN	50	163	64	106	0	0	0	0	40	14	1
6	HARIDWAR	28	53	59	61	0	0	0	0	10	15	3
7	NAINITAL	20	51	87	121	0	0	0	0	1	3	1
8	PAURI	8	21	139	231	0	0	0	0	9	8	0
9	PITHORAGARH	7	18	102	112	0	0	0	0	2	3	0
10	RUDRAPRAYAG	4	3	36	78	0	0	0	0	9	12	0
11	TEHRI	5	3	116	166	0	0	0	0	7	1	0
12	U.S. NAGAR	29	70	94	88	0	0	0	0	3	6	0
13	UTTARKASHI	8	4	12	66	0	0	0	0	45	7	0
	TOTAL	170	410	1029	1423	2	0	0	1	140	79	6

Source U-DISE 2013-14

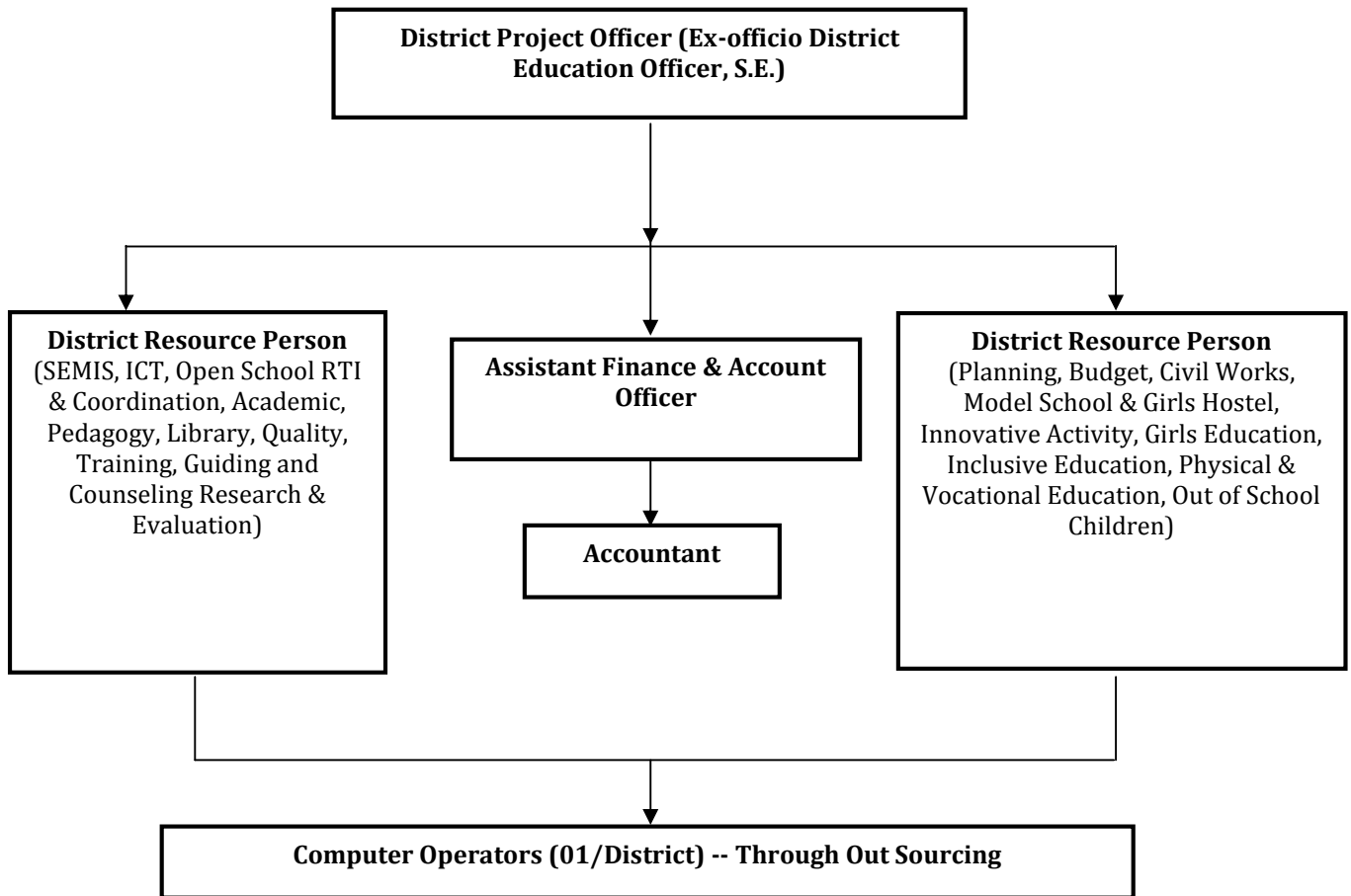
Organisational Structure of Department of School Education, Uttarakhand



**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)



1.11 MIS System

At present existing educational management information system (EMIS) for planning and management of school education is carried out at the district levels. At the district level MIS wing is functional at SSA and RMSA offices. The MIS is collected and executed through UDISE software supported by NUEPA. The information on DCF is collected every year as on 30th September from all educational institutions in the district and its reports are generated at the district level through U-DISE which is further utilised for the formulation of Annual Work Plan and Budget for the district under RMSA. Despite of U-DISE census data and district education offices source data is also used for planning purpose.

Chapter - 2 Implementation Status

2.1 Institutional Arrangements for Implementation

2.1.1 RMSA

Government of India has committed to the goal universalisation of secondary and higher secondary education. The 11th 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.

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 chalks 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.

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.

Table 2.1 Norms of National and State

	NATIONAL NORMS	STATE NORMS																																														
1. PHYSICAL INFRA STRUCTURE- NON-RECURRING	<p>Classroom-pupil ratio:1:40 Minimum ratio:1:25 Classroom size as per state norm</p> <ol style="list-style-type: none"> Atleast two additional classroom should be built in one secondary school. Atleast four additional class rooms, two sections each for class ix and x. Should involve elements of community contribution. Grants will be available only for those schools which have existing buildings of their own. Cost of construction will include furniture, fixtures, fittings, circulation area (verandah) etc 	<p>A. Every secondary school should have class room pupil ratio 1:40 and minimum 1:30 B. State Governemnt has been follow the GOI norms for construction works. C. Every secondary school should have the following:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>No. of Units</th> <th>Room Size (Sq.Mtr.)</th> <th rowspan="9">Circulation Area (20% + Wall Area 15%)</th> <th>Total Plinth Area (Sq. Mtr.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Classroom</td> <td>02/04</td> <td>49</td> <td>66.00</td> </tr> <tr> <td>2</td> <td>Laboratory</td> <td>01</td> <td>49</td> <td>66.0</td> </tr> <tr> <td>3</td> <td>Principal Room</td> <td>01</td> <td>49</td> <td>66.00</td> </tr> <tr> <td>4</td> <td>Office and Staff Room</td> <td>01</td> <td>49</td> <td>66.00</td> </tr> <tr> <td>5</td> <td>Computer Lab</td> <td>01</td> <td>49</td> <td>66.00</td> </tr> <tr> <td>6</td> <td>Library</td> <td>01</td> <td>80</td> <td>100.00</td> </tr> <tr> <td>7</td> <td>Art and Craft Room</td> <td>01</td> <td>49</td> <td>66.00</td> </tr> <tr> <td>8</td> <td>Toilet Block</td> <td>01</td> <td></td> <td>0.00</td> </tr> </tbody> </table>	S. No.	Particulars	No. of Units	Room Size (Sq.Mtr.)	Circulation Area (20% + Wall Area 15%)	Total Plinth Area (Sq. Mtr.)	1	Classroom	02/04	49	66.00	2	Laboratory	01	49	66.0	3	Principal Room	01	49	66.00	4	Office and Staff Room	01	49	66.00	5	Computer Lab	01	49	66.00	6	Library	01	80	100.00	7	Art and Craft Room	01	49	66.00	8	Toilet Block	01		0.00
S. No.	Particulars	No. of Units	Room Size (Sq.Mtr.)	Circulation Area (20% + Wall Area 15%)	Total Plinth Area (Sq. Mtr.)																																											
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4	Office and Staff Room	01	49		66.00																																											
5	Computer Lab	01	49		66.00																																											
6	Library	01	80		100.00																																											
7	Art and Craft Room	01	49		66.00																																											
8	Toilet Block	01			0.00																																											
1.2 ADDITIONAL CLASSROOMS FOR EXISTING SCHOOLS	<ol style="list-style-type: none"> Additional class rooms should be built in existing secondary school to maintain the classroom -pupil ratio 1:40 Construction of additional classrooms should involve the elements of community contribution if possible Atleast two additional class rooms should be built at time Grants for additional classrooms will be available only for those schools which have existing buildings of their own 	<ol style="list-style-type: none"> Additional class rooms should be built in existing secondary school to maintain the classroom -pupil ratio 1:40 Construction of additional classrooms should involve the elements of community contribution. Atleast two additional class rooms should be built at a time. Grants for additional classrooms will be available only for those schools which have existing buildings of their own. 																																														
1.3 SCIENCE LABORATORY	Every secondary school should have Integrated science lab (for Physics, Chemistry, Biology, Mathematics)	Every secondary school should have Integrated science lab(for Physics, Chemistry, Biology, Mathematics)																																														
1.4LAB EQUIPMENTS	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	<ol style="list-style-type: none"> Every secondary school should have one room for principal. Room will also be used for staff meeting. Principal room size should be 57 sq.mt Grants for Principal room will be available only for those schools which have existing building of their own. Grants for principal room will also be available for New schools with their building budget 	<ol style="list-style-type: none"> Every secondary school should have one room for principal. Room will also be used for staff meeting. Principal room size should be 16.20 sq.mt Grants for principal room will be available for New schools and upgraded school with their building budget 																																														
1.6 Office room	<ol style="list-style-type: none"> Every secondary school should have one separate room for office and office staff Office room size should be 57 sq.mt Grants for Office room will be available only for those schools which have existing building of their own. Grants for Office room will also be available for New schools with their building budget 	<ol style="list-style-type: none"> Every secondary school should have one separate room for office and office staff Office room size should be 16.20 sq.mt Only for those schools which have existing building of their own. Grants for Office room will also be available for New schools and upgraded schools with their building budget. 																																														
1.7GIRLS ACTIVITY ROOM	<ol style="list-style-type: none"> Every secondary school should have one separate Girls activity room Girls activity room sizes should be 57 sq.mt Grants for girls activity room will be available only for those schools which have existing building of their own. Grants for girls activity room will also be available for New schools with their building budget 	<ol style="list-style-type: none"> Every secondary school should have one separate Girls activity room Girls activity room sizes should be 66 sq.mt Grants for girls activity room will be available only for those schools which have existing building of their own. Grants for girls activity room will also be available for New schools with their building budget. 																																														
1.8 COMPUTER ROOM/LABORATORY	<ol style="list-style-type: none"> Every secondary school should have one room for Computer laboratory. Room will be used exclusively for learning purposes Computer lab room size should be 104 sq.mt Grants for computer lab will be available only for those schools which have existing building of their own. 5. Grants for computer lab will also be available for New schools with their 	<ol style="list-style-type: none"> Every secondary school should have one room for Computer laboratory. Room will be used exclusively for learning purposes Computer lab room size should be 73 sq.mt Grants for computer lab will be available only for those schools which have existing building of their own. Grants for computer lab will also be available for new schools with their building budget. Laboratory Room size should be 73 sq.mt. Grants for laboratory will be available for the existing schools. 																																														

	NATIONAL NORMS	STATE NORMS
	building budget .	
1.9 ART/ CRAFT/ CULTURAL ROOM	<ol style="list-style-type: none"> Every secondary school should have one room for Art/craft. Room will be used for art/craft activities Art/craft room size should be 57 sq.mt Grants for art/craft room will be available only for those schools which have existing building of their own. Grants for art/craft will also be available for New schools with their building budget 	<ol style="list-style-type: none"> Every secondary school should have one room for Art/craft. Room will be used for art/craft activities Art/craft room size should be 66 sq.mt Grants for art/craft room will be available only for those schools which have existing building of their own. Grants for art/craft will also be available for New schools with their building budget
1.10. LIBRARY	<ol style="list-style-type: none"> Every secondary school should have one room for library. Room should be used for reading and library purpose. Library room size should be 104 sq.mt Grants for Library will be available only for those schools which have existing building of their own. Grants for library will also be available for New schools with their building budget 	<ol style="list-style-type: none"> Every secondary school should have one room for library. Room should be used for reading and library purpose. Library room size should be 65 sq.mt Grants for Library will be available only for those schools which have existing building of their own. Grants for library will also be available for New schools with their building budget
1.11 TOILET BLOCK	<ol style="list-style-type: none"> Every secondary school should have toilet blocks for Boys and Girls separately. They should be suitable for the physically challenged. Separate toilet block available for male and female teachers 	One toilet cluster for every 200 children.
1.12 DRINKING WATER FACILITY	<ol style="list-style-type: none"> Every school should have drinking water facility adequately. Proper drainage system should be there in every secondary school 	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:
1.13 FURNITURE AND FIXTURES	<ol style="list-style-type: none"> Furniture for class room Existing furniture to be repaired 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 Furniture for Principal room, office room and teacher staff room. Luxury items should not be purchased. Purchases if any will be done through state owned small scale industries. 	<ol style="list-style-type: none"> Furniture for class room Existing furniture to be repaired 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 Furniture for Principal room office room and teacher staff room. Luxury items should not be purchased. Purchases if any will be done through state Govt. Procurement Act. SMDC will be fully responsible for purchase of furniture and fixtures at school level.
1.14 DEVELOPMENT OF PLAY GROUND	<ol style="list-style-type: none"> Cost for development of play ground will not exceed Rs.20,000/- per school Schools not having playground will use play ground in neighborhood schools or the community play ground 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. 	<ol style="list-style-type: none"> Cost for development of play ground will not exceed Rs.20,000/- per school Schools not having playground will use play ground in neighborhood schools or the community play ground 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.
1.15 BOUNDARY WALL	<ol style="list-style-type: none"> Boundary wall will be constructed, if not already constructed. Community, PRI's, MP's, MLA's development funds can be utilized for maintenance and construction of boundary wall Department of Environment and forests will be approached to develop social forestry in the schools. 	<ol style="list-style-type: none"> Boundary wall will be constructed, if not already constructed. Community, PRI's, MP's, MLA's development funds can be utilized for maintenance and construction of boundary wall. Department of Environment and forests will be approached to develop social forestry in the schools.
1.16 Repairing and Renovations-Major and Minor	<ol style="list-style-type: none"> Repairing and renovations will primarily be undertaken through community participation. On the basis of approved estimate by the department following grants may be considered under special circumstances: 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 Minor repairing:-Total amount of expenditure should not exceed Rs.50,000 in a year. Following repair works can be undertaken school building, toilets, tanks, play ground, campus, conservancy services, electrical fittings, Sanitary and other fittings furniture and fixtures Expenditure on repair and maintenance of building would not be included for calculating civil works. Grants will be available for schools which have existing buildings of their own 	<ol style="list-style-type: none"> Repairing and renovations will primarily be undertaken through community participation. On the basis of approved estimate by the department following grants may be considered under special circumstances: 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. School specific estimates should be prepared and actual cost will be measured than after. SMDC will do all kind of major repair works. Minor repairing:-Total amount of expenditure should not exceed Rs.50,000 in a year. Following repair works can be undertaken school building, toilets, tanks, play ground, campus, conservancy services, electrical fittings, Sanitary and other fittings furniture and fixtures Expenditure on repair and maintenance of building would not be included for calculating civil works. 5.Grants will be available for schools which have existing buildings of their own
1.17 Repair/ replacement of laboratory Equipments, purchase of lab	<ol style="list-style-type: none"> Fund will be available for science lab Replacement and repairing of laboratory equipments. Purchase of consumables, chemicals. 	<ol style="list-style-type: none"> Fund will be available for science lab Replacement and repairing of laboratory equipments. Purchase of consumables, chemicals. Upkeep of laboratories

	NATIONAL NORMS	STATE NORMS
consumable article	<ol style="list-style-type: none"> Upkeep of laboratories Any other lab activity relating to science and mathematics Annual grant of Rs. 25,000/- per school per annum or as per actual requirements. 	<ol style="list-style-type: none"> Any other lab activity relating to science and mathematics Annual grant of Rs. 25,000/- per school per annum or as per actual requirements. Purchase and repair of lab equipments and consumable article will be done by SMDC at school level.
1.18 Purchase of books, periodicals, news papers etc.	<ol style="list-style-type: none"> Purchase of books with due reference to the lists of books recommended by the Department and SCERT Rs. 10,000 per annum or the actual expenditure whichever is less Text books and reference books for teachers should also be included. 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. 	<ol style="list-style-type: none"> Purchase of books with due reference to the lists of books recommended by the Department Rs.10,000 per annum or the actual expenditure whichever is less Text books and reference books for teachers should also be included. 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. SRG will be prepared a list of books. Procurement will be done by SMDC.
1.19 STUDY TOURS/ EXCURSION TRIPS	<ol style="list-style-type: none"> State Govt./community/ parents/private sector may sponsor or contribute Study tours will be organized by the schools every year. All the willing students will be allowed to participate Adequate measures for safety and security of the students, especially girls will be made. An amount of Rs.5000/- may be allocated for the purpose. 	<ol style="list-style-type: none"> State Govt./community/parents/private sector may sponsor or contribute Study tours will be organized by the schools every year. All the willing students will be allowed to participate Adequate measures for safety and security of the students, especially girls will be made. An amount of Rs. 5000/- may be allocated for the purpose.
1.20 SCHOOL ANNUAL GRANTS RECURRING COST	<p>1.1 SPORTS:</p> <ol style="list-style-type: none"> Sports equipments, uniforms etc., Music/dance/cultural activity Painting. Grants of Rs. 5000/- will be allocated for the purpose. <p>1.2. TEACHING AIDS:-</p> <ol style="list-style-type: none"> Equipments for teaching geography, elective subjects Drawing equipments and painting materials. Maps, charts, Grants of Rs. 2000/- per teacher per annum To meet petty and contingent expenditure for organizing meetings, conveyance, stationeries grants of Rs.5000/- per annum Water, electricity charges, telephone charges, internet charges/ other grant and taxes Grant of Rs.20,000/- per annum or actual expenditure, whichever is less to meet water and electricity charges. petty repairs and maintenance –Grant for Rs.5000/- per annum Other expenditure-Grant of Rs. 5000/- should be given to each school community/PRI/Private sector may also to contribute 	<p>1.1 SPORTS:</p> <ol style="list-style-type: none"> Sports equipments, uniforms etc., Music/ dance/ cultural activity Painting. Grants of Rs. 5000/- will be allocated for the purpose. <p>1.2.TEACHING AIDS:-</p> <ol style="list-style-type: none"> Equipments for teaching geography, elective subjects Drawing equipments and painting materials. Maps, charts, Grants of Rs.2000/- per teacher per annum To meet petty and contingent expenditure for organizing meetings, conveyance, stationeries grants of Rs.5000/- per annum Water, electricity charges, telephone charges, internet charges/ other grant and taxes Grant of Rs.15,000/- per annum or actual expenditure, whichever is less to meet water and electricity charges. petty repairs and maintenance –Grant for Rs.5000/- per annum Other expenditure-Grant of Rs. 5000/- should be given to each school Community/PRI/Private sector may also to contribute
1.21TEACHERS,STAFFS AND LAB ATTENDANTS	<p>TEACHER</p> <ol style="list-style-type: none"> 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. Every school should have one physical education and music and craft teacher Every secondary school should have a minimum of 7 subject teachers and two special teachers Every teacher appointed should possess minimum graduation and a B.Ed. for teaching Every school should maintain PTR of 30:1 or less Teacher will be employed by the society implementing RMSA <p>LAB ATTENDANT:- One lab attendant should be employed by the society implementing RMSA.</p> <p>OFFICE ASSISTANT: Every secondary school should have one clerk (ASSISTANT GRADE III) and one peon for office works.</p> <p>WATCHMAN: Every secondary school should have one night watchman may be appointed by community/ PRI/parent teacher Association.</p>	<p>TEACHER</p> <ol style="list-style-type: none"> 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, Every school should have one physical education and one teacher music/Drawing/craft/computer teacher. Every secondary school should have a minimum of 7 subject teachers. Every teacher appointed should possess minimum graduation and a B.Ed. for teaching. Every school should maintain PTR of 40:1 or less Teacher will be employed by the society implementing RMSA. <p>LAB ATTENDANT: One lab attendant should be employed by the society implementing RMSA.</p> <p>OFFICE ASSISTANT/LIBRARIAN: Every secondary school should have one clerk (ASSISTANT GRADE III) and one peon for office works.</p> <p>WATCHMAN: Every secondary school should have one night watchman.</p> <p>PEON: Every Secondary School should have one Forth Class/Peon.</p>

2.1.2 Brief introduction to ICT

The Govt. of Uttarakhand has initiated the process of integration of information and Technology in education under the 'Arohi' Programme since 2001 to prepare the students for digital future. Under this programme efforts were made to computerize every secondary and senior secondary school in the state. More than 1000 computers have been provided to different Govt. and Govt. Aided schools. The state government made provisions for teachers' computer training through various training programmes of intel and Microsoft companies. Educational content CDs have been provided to 34 schools and all DIETs of the state under e-class Project and we are further in the process to provide these content CDs to all schools of Uttarakhand.

A comparative evaluation of 13 pilot schools covered under e-class project had been furnished by the department on the basis of results of last three years and a progressive report of the learning status of the students studying in e-class has been found.

125 schools of the state have already been covered under the ICT Scheme through outright purchase. The implementation of the scheme in the schools has empowered the learners for utilization and application of the skills, knowledge and understanding and teachers to use ICT as a tool to make the teaching and learning process/classroom practices more interesting. Emphasis of learning is shifting from acquiring information to constructing knowledge. Students are being equipped to "learn to learn" and "How to learn" and also acquire the skills required for changing nature of the work places.

Steps taken by States/UTs for promotion of Computer Education. Give details of Policies, Strategies adopted for computer education at Secondary and Higher Secondary Stage:

For the better implementation of ICT in Schools Scheme and to concentrate on better outputs of the schemes, in 'ICT Cell' has been established under the Director, Secondary Education – Uttarakhand. A Project Monitoring Unit (PMU – ICT) has also been established at Directorate Level for monitoring of the schools covered under ICT@Schools Scheme. For training, and guidance of teachers to ensure the best use of ICT tools in schools. State government has also established a 'State Educational information and Technology Academy' (SEITA). The ICT Programme among the schools is being implemented in the following manner.

- a. Extending Computer literacy and awareness to every student.
- b. Enabling the teachers to enhance their subject knowledge and professional skills with the use of ICT.
- c. Facilitating the teachers to use ICT as an aid for teaching learning process and to make the classroom interactive and participatory.
- d. Enabling students to learn through ICT and provide facilities for interacting with their counterparts across the country.

Information and Communication Technology Project (ICT@School) in 625 Government School

The ICT Project is a centrally sponsored scheme in 90:10 share basis and is being implemented in 625 Govt. Secondary Schools of the state in first phase. The scheme was approved by Project Monitoring and Evaluation Group (PMEG), MHRD.

- **ICT lab comprising:** 1 Server, 12 computers, 1 Multi Functional Printer, web Camera, Operating System along with related software, fixed table assembly and 20 chairs in computer lab
- **Smart Class room** –comprising of 1 LCD TV 40 inches & 1 computer system, comprising of one Integrated Computer Projector, Computer table & chair
- Site Preparation (Vinyl flooring, earthing, electric & LAN cabling) of Computer Lab.
- Training for 2500 teachers to use multimedia educational content. The provision of quarterly refreshers to the teachers has also been made.
- The scheme is being monitored at State, district and School level by RMSA. Nodal officers at district level and Principal assisted by Assistant teachers looking after the

project in detail. A mechanism has been devised to make the optimum use of existing resources at institution level.

- Multimedia Educational Content being provided by M/s S.CHAND & Company for 625 hard spots for 9th to 12th classes in the subject of Mathematics, Physics, Chemistry, Biology, Science, Social Science.

The separate ICT cell has been established in RMSA and the cell is being headed by the Joint Director.

2.1.3 Brief introduction to IEDSS

Overview

- The Scheme of Inclusive Education for Disabled at Secondary Stage (IEDSS) has been launched from the year 2009-10.
- This Scheme replaces the earlier scheme of Integrated Education for Disabled Children (IEDC) and would provide assistance for the inclusive education of the disabled children in classes IX-XII

Aims

To enable all students with disabilities, after completing eight years of elementary schooling, to pursue further four years of secondary schooling in an inclusive and enabling environment.

Objectives

The scheme covers all children studying at secondary stage in Government, local body and Government-aided schools, with one or more disabilities as defined under the Persons with Disabilities Act (1995) and the National Trust Act (1999) in the class IX to XII, namely blindness, low vision, leprosy cured, hearing impairment, locomotor disabilities, mental retardation, mental illness, autism and cerebral palsy, and may eventually cover speech impairment, learning disabilities, etc. Girls with disabilities receive special focus to help them gain access to secondary schools, as also to information and guidance for their developing potential. Setting up of Model inclusive schools in every State is envisaged.

Components Assistance is admissible for two major components

Student-oriented components, such as medical and educational assessment, books and stationery, uniforms, transport allowance, reader allowance, stipend for girls, support services, assistive devices, boarding the lodging facility, therapeutic services, teaching learning materials, etc. Other components include appointment of special education teachers, allowances for general teachers for teaching such children, teacher training, orientation of school administrators, establishment of resource room, providing barrier free environment, etc.

Financial Assistance

Central assistance for all items covered in the scheme is on 100 percent basis. The State Governments are only required to make provisions for a scholarship of Rs. 600 per disabled child per annum.

IEDSS scheme implemented in the state from 2010-11. According to guideline of GOI, Administrative Cell constituted at State level to exercise the work and achieve the goal of scheme. The profile of Administrative Cell as follows:

Table 2.2 Profile of Administrative Cell

S.N.	Designation	Pay Scale/ Grade pay	No. of Sanctioned Post
1	Deputy Director	15600-39100 +6600	01
2	Psychologist	Out Sourcing	01
3	Stenographer	Out Sourcing	01
4	LDC	Out Sourcing	01

Linkages with other departments and NGO:

In Uttarakhand many National level institution are working in the field of disabilities. Their help are being taken in different activities of IEDSS scheme. Identification and distribution of disability certificate become possible with the help of Chief Medical Officers of respective districts. The orientation of teachers, 05 days programme conducted at district level with the help of Govt. institutions like National Institute for Visually Handicapped (NIVH), National Institute for Orthopedically Handicapped (NIOH) and NGOs working in the field of disabilities. The experts from these institutions are also the member of State Co-ordination Committee/State Resource Group (SRG).

Table 2.3 Institutes, Schools and NGOs Working in Uttarakhand

S.No.	Name of NGOs	Area of work
1	National Institute for the Visually Handicapped	Education & Vocational Training for people with visual impairment.
2	Sharp Memorial School for Blind	Education Adult and Children with visual impairment. Foundation Course study centre M P Bhuj
3	Bajaj Institute of Hearing impairment	Education Children with Hearing impairment. State Resource Centre
4	Cheshire Home	Providing residential & other facilities to people with mental & physical disabilities, Early Intervention Centre
5	Raphael Home	Hostel day centre for people with mental disability, Dyslexia unit
6	Latika Roy Foundation	Early Intervention through therapy and education for children with multiple disabilities
7	Gokul Society for Handicapped	Education Vocational Training & plastic Surgery Children with physical disability
8	Happy Family Health care & research	Mental & physical disabilities, Early Intervention Centre.
9	Karuna Vihar	Special school for Kids with mild to moderate learning difficulties 5-14 years
10	Nanhi Duniya	Special school for Deaf & Dumb.
11	Jyoti Mansic Viklang Vidyalaya	Special school for mental disability
12	Laxman Ram Dahiya Memorial Punarvash Sanstha	Special school for mental disability & L D.
13	Omkeshav Swechhik Sansthan	Special school for mental disability & L D.
14	Indira Gandhi Rastriya Chetna Kendra	Special school for physical disabilities. Foundation Course study centre M P Bhuj
15	Ajaranand Anndh Vidyalaya	Providing residential & other facilities Education Adult and Children with visual impairment
16	Magal Deep Vidya Mandir Khatyari Almora	Special school for mental disability & children with multiple disabilities
17	Sharp Samiti Chamoli	Parents Counseling. Home base training
18	UNECs research & development society Bilona Bageshwar	Parents Counseling. Home base training. Foundation Course study centre M P Bhuj
19	U.S.R. Indu samiti Ramnagar.Nainital	Parents Counseling. Home base training
20	Vijaya Public School. Naogawn Uttarkashi	Education General and Children with visual impairment.

Table 2.4 Recognized training centre by Rehabilitation council of India, New Delhi in Uttarakhand

S.No.	Name of Govt. Institutes/ NGOs	Mobile No.
1	Sharp Memorial School for The Blind, Rajpur, Dehradun	0135-2734238, 9319062723
2	Raphael Home, Dehradun	0135-2673949,9897297027
3	Indira Gandhi Rastriya Chetna Kendra, Raiwala Dehradun	0135-2733009, 9358110664
4	UNECS reasearch & development society Bilona Bageshwar	9412314517
5	DIET Dehradun	0135-2781572, 9412987984
6	DIET Roorkee, Haridwar	9819224578
7	DIET, Bheemtal, Nainital	9411102206

2.1.4 Brief introduction to Girls Hostel

Introduction

This is a new Centrally Sponsored Scheme launched in 2008-09 and is being implemented from 2009-10 to set up a 100-bedded Girls' Hostel in each of 3479 Educationally Backward Blocks (EBBs) in the country. The Scheme has replaced the earlier NGO driven Scheme for construction and running of Girls' Hostels for Students of Secondary and Higher Secondary Schools, under which assistance was provided to voluntary organisations for running Girls' Hostels.

Objective

The main objective of the Scheme is to retain the girl child in secondary school so that girl students are not denied the opportunity to continue their study due to distance to school, parents' financial affordability and other connected societal factors. Another objective of the Scheme is to make Secondary and Senior Secondary education accessible to a larger number of girl students.

Target Group

The girl students in the age group of 14-18 yrs. studying in classes IX and XII belonging to SC, ST, OBC, Minority communities and BPL families will form the target group of the Scheme. Students passing out of KGBV will be given preference in admission in hostels. At least 50% of girls admitted will be from SC, ST, OBC and Minority communities.

Sharing Pattern

Central government will bear 90% of the recurring and non-recurring project cost. 10% will be borne by the State Govt.

Girls Hostel (Scheme for construction and running of Girls' Hostel for students of Secondary and Higher secondary schools)

The gender disparities still persist in rural areas, particularly among the disadvantaged communities like SCs, STs, OBCs and Minorities. Significant gaps in enrolment of girls at the elementary and secondary levels as compared to boys are visible. Therefore, the main objective of the scheme is to bring the girl child to school and to retain her in school. The scheme thus envisages setting up of hostels with lodging and boarding facilities in the Educationally Backward Blocks (EBBs) and areas nearing concentration of above target groups so that the girl students are not denied the opportunity to continue their study due to societal

factors. Another objective of the scheme is to make Secondary and Senior Secondary education accessible to a larger number girl student.

Target Group

The girl students in the age group 14-18 studying in classes IX to XII and belonging to SC, ST, OBC , Minority communities and BPL families will form the target group of the scheme. Around half of the them at least belong to the SC, ST, OBC and Minority communities.

Eligibility

Girls belonging to SC, ST, OBC, Minority communities and BPL families and studying in classes IX-XII in a recognized school in the EBB (run by any authority, State, District or NGO) with a valid certificate from school Head Master will be eligible to stay in the hostels. At least 50% of the girls admitted to the hostels should belong to SC, ST, OBC, Minority communities.

Strategy for Construction of Hostels/Schools

It is proposed to construct one hostel with the capacity of 100 girls in each of the educational backward blocks. Wherever there is space in KGBV compound, the hostels would preferably be constructed there. Such hostels would be under the administrative control of concerned Secondary School concerned. Students passing out of KGBV will be given preference in admission in hostel. In case, there is no spare space in the KGBV compound or in the blocks where no KGBV has been sanctioned, the hostel may be constructed in the compound of a secondary/ higher secondary school selected by the district authority. The hostel will be under the administrative control of the Headmaster/Principal of concerned school. However, students of neighboring schools will also be eligible for staying in the hostel.

The minimum living space available to each inmate should be 40 sq. feet excluding kitchen, toilet and other common space. The buildings will be designed as earthquake resistant and will be fitted with basic fire safety equipments. Efforts will also be made to design the buildings with provision for solar energy generation, use of solar cooker and biogas & rainwater harvesting. There will be provision for CWSN. State Government Nominated State Irrigated Department as construction agency for building for hostel building construction.

Educationally Backward Blocks (EBBs) of Uttarakhand

National female literacy rate and gender gap greater than the average national gender gap were identified as Educationally Backward Blocks (EBBs). Uttarakhand has a total of 95 blocks of which on the basis of 1991 census there were 36 EBBs. On the basis of 2001 census the numbers of EBBs have come down from 36 to 23 however, in which four blocks (forest villages) are non habituated so only 19 EBBs are eligible for girls hostel scheme.

Table 2.5 EBBs according to 1991 & according to 2001 census

Name of District	Name of EBB Blocks(1991)	Name of EBB Blocks (2001)	FLR 2001	GG
Uttarkashi	Dunda	Chinyalisaur	41.5	43.1
	Chinyalisaur	Purola	44.7	36.7
	Naugaon	Naugaon	39.5	39.6
	Purola	Mori	33.7	34
	Mori			
Chamoli	Ghat	---	---	---
	Gairsain			
Rudraprayag	Ukhimath	---	---	---
	Jakholi			
Tehri	Bhilangna	Bhilangana	44.5	38.7
	Thauldhar	Tholdhar	45.5	38.6
	Devprayag	Narendernagar	45.5	37.2
	Jakhnidhar	Pratapnagar	38.8	49
	Jounpur	Jounpur	39.1	41.6

Name of District	Name of EBB Blocks(1991)	Name of EBB Blocks (2001)	FLR 2001	GG	
	Pratapnagar				
Dehradun	Chakrata	Chakrata	34.8	24.8	
	Kalsi	Kalsi	43.9	25.6	
Pauri	Thalisain	Forest Village	41.16	18.7	
Pithoragarh	Munsyari	---	---	---	
	Dharchula				
	Gangolihat				
Bageshwar	Kapkot	---	---	---	
Almora	Lamghara	Dhouladevi	45.5	34.5	
	Dhauladevi				
Champawat	Pati	Forest Village	34.6	29.2	
	Barakot				
	Lohaghat				
	Champawat				
Nanital	Okhalkanda	---	---	---	
U.S.Nagar	Shitarganj	Bajpur	41.4	24.5	
	Khatima				
	Kashipur	Forest Village	35.8	24.6	
Haridwar	Roorkee	Roorkee	45.7	23.3	
	Bhagwanpur	Bhagwanpur	42.4	25.7	
	Khanpur	Khanpur	36.6	30.6	
	Laksar	Narsan		43.2	27.7
		Bahadrabad		46	24.7
		Laksar		42.7	29.5
		Forest Village		15.17	20.89
Total	36	23			

In Uttarakhand state 19 Education Block are under this scheme. 100 Girls will be enrolled in each hostel. Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad is implementing the scheme, presently 19 hostels are running with KGBVs. State government is bearing recurring cost and other expenditure of these girls since year 2008-2009. A separate cell will be constituted for monitoring of this scheme under state project office RMSA Uttarakhand. Similarly at the district level the district project officer will monitor the girls hostel.

2.1.5 Brief introduction to Vocational Education

The Government of India has brought out a received centrally sponsored scheme of Vocationalisation of Secondary Education by integrating employability education into school education in September 2011. The scheme is operated within the National Vocational Education Qualification Framework (NVEQF) presently known as National Skill Qualification framework (NSQF), which establishes a system of clear educational pathways from school to higher education while providing certification of vocational skills. The project has been approved for the state of Uttarakhand by MHRD, GOI and accordingly Uttarakhand will be implementing the NSQF from the academic year 2014-15. The aim is to start the project in academic year 2014-15 at level 1 (Class 9th) in Normal Track in about 44 Government schools in Uttarakhand. The student who starts the Normal Track in 2014-15 will attain the Level 4 Certification by 2018. The aim of this project is to make students employable when they complete secondary education. The project will be jointly funded by Central Government and the State Government.

Objectives

The objectives of this project are to:

- Successfully introduce and integrate vocational (NVEQF compatible) automotive courses at the Class 9th – 12th (in the 14-17 years age group) on an optional/voluntary basis in schools in Uttarakhand from the academic year 2014. More schools could be added or removed from the list at the discretion of the Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad or School Education Department, Uttarakhand from time to time.
 - ✓ These Automotive courses will be industry driven based upon National Occupational standards (NOS) set by the skill council.
 - ✓ The courses will be introduced in normal track mode in Class 9th (Level 1).
- This project is expected to improve employability of the students passing from these courses because of industry driven inputs and exposure. This will be measured by enhanced employment (70% of placement interested candidates placed in workplace as employees or interns) of the students achieving Level 4 certification.
- Another expected outcome is reduction in school dropout rates and better attendance levels due to better job prospects through such a program.

Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad is implementing agency for vocational education programme. The State Government has decided to outsource the vocational training partners for implementation of programme.

2.2 Progress against interventions approved till last year

2.2.1 RMSA

Table 2.6 Year-wise Progress of Construction Work

(As on 31st January, 2015)

Year	Up-gradation				Strengthening			
	Sanc.	Complete	In Progress	Un Started	Sanc.	Complete	In Progress	Un Started
2009-10	23	17	4	2	381	360	16	5
2010-11	58	25	25	8	134	74	42	18
2011-12	147	35	90	22	0	0	0	0
2012-13	0	0	0	0	0	0	0	0
2013-14	43	0	27	16	33	0	28	5
2014-15	0	0	0	0	179	0	0	179
Total	271	77	146	48	727	434	86	207

Table 2.7 Year-wise Progress of Construction of Strengthening of Schools

(As on 31st January, 2015)

Year	Name of Work	Sanctioned	Complete	In Progress	Un Started	Cancelled Works
2009-10	Class Room	135	118	10	7	2
	Laboratory Room	73	65	6	2	2
	Library Room	66	61	5	0	3
	Art/Craft Room	40	35	5	0	1
	Computer Room	50	45	5	0	5
	Toilet Block	197	191	6	0	5
2010-11	Class Room	245	127	86	32	8
	Laboratory Room	70	41	19	10	3
	Library Room	118	66	35	17	4
	Art/Craft Room	127	69	40	18	5
	Computer Room	128	72	39	17	5
	Toilet Block	134	74	42	18	5

Year	Name of Work	Sanctioned	Complete	In Progress	Un Started	Cancelled Works
2013-14	Class Room	27	0	21	6	0
	Laboratory Room	14	0	7	7	0
	Library Room	27	0	0	27	0
	Art/Craft Room	32	0	3	29	0
	Computer Room	21	0	5	16	0
	Toilet Block	4	0	0	4	0
2014-15	Class Room	205	0	0	205	0
	Laboratory Room	124	0	0	124	0
	Library Room	148	0	0	148	0
	Art/Craft Room	172	0	0	172	0
	Computer Room	135	0	0	135	0
	Toilet Block	57	0	0	57	0
Total	Class Room	612	245	117	250	10
	Laboratory Room	281	106	32	143	5
	Library Room	359	127	40	192	7
	Art/Craft Room	371	104	48	219	6
	Computer Room	334	117	49	168	10
	Toilet Block	392	265	48	79	10

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 additional cost for all works commissioned under RMSA.

Local community provided the land for construction work free of cost. Civil work monitoring committee is constituted at school level, which monitors 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 recruited an Executive Engineer and an Assistant Engineer to provide technical support for civil work at state level. A civil work committee constituted at school level for monitoring of civil work. State Government has also decides the third party evaluation of civil work through Planning Department and PWD. 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 2.8 Additional Grant Released by State Govt. for Civil Work

(Rs. in Lakhs)

SN	District	2009-10	2010-11	2011-12	2013-14	Total
1	Almora	102.53	118.71	199.07	38.68	458.99
2	Bageshwar	22.96	113.21	351.99	16.76	504.92
3	Chamoli	136.55	566.54	454.03	3.28	1160.4
4	Champawat	28.01	59.35	219.18	8.68	315.22
5	Dehradun	63.21	167.60	151.26	4.87	386.94
6	Haridwar	0.00	120.92	147.69	126.03	394.64
7	Nainital	33.24	325.42	171.48	51.96	582.1
8	Pauri	118.57	160.72	196.57	0.32	476.18
9	Pithoragarh	47.35	39.94	471.65	0.00	558.94
10	Rudraprayag	13.89	72.56	133.86	1.32	221.63
11	Tehri	0.00	28.34	144.72	77.02	250.08
12	US Nagar	13.79	94.92	639.33	16.66	764.7
13	Uttarkashi	34.21	183.25	415.02	0.74	633.22
Total		614.31	2051.48	3695.85	346.32	6707.96

(As on 31st December, 2014)

Third Party Evaluation of Civil Work

State Govt. nominated Planning Department for third party evaluation of civil works more than cost of Rs 1.00 Crore. State PWD is doing third party evaluation of civil works cost less than Rs. 1.00 Crore.

Table 2.9 Year-wise Sanctioned Major Repair

S.No.	District	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
1	Dehradun	0	07	09	0	0	0
2	Haridwar	0	0	03	0	0	0
3	Tehri	0	05	13	0	0	0
4	Uttarkashi	0	&	02	0	0	0
5	Pauri	0	30	14	0	0	0
6	Chamoli	0	38	08	0	0	0
7	Rudraprayag	0	01	01	0	0	0
8	Almora	0	0	08	0	0	0
9	Bageshwar	0	09	05	0	0	0
10	Champawat	0	02	06	0	0	0
11	Nainital	0	13	14	0	0	0
12	Pithoragarh	0	17	26	0	0	0
13	US Nagar	0	04	06	0	0	0
Total		0	126	115	0	0	0

(a) School Grant and Minor Repair**Table 2.10 The Cumulative Progress of School Grant**

Year	Approved by GOI			SPO Released		Remark
	Physical	Unit cost in lakhs	Total Amount (in lakhs)	Physical	Audited Expenditure	
2009-10	1760	0.14	246.40	1760	246.40	--
2010-11	1770	0.50	885.00	1770	243.70	--
2011-12	1879	0.50	939.50	1875	1061.65	4 schools were not found eligible for grant
2012-13	2078	0.50	1039.00	2078	1039.00	--
2013-14	2062	0.50	1031.00	2062	1031.00	--
2014-15	2066	0.50	1033.00	2062	1033.00	

Table 2.11 Progress of School Grant and Minor Repair 2014-15

S.No.	Name of the district	School Grant		Minor Repair	
		Target 2014-15	Progress	Target 2014-15	Progress
1	Almora	242	242	194	194
2	Bageshwar	85	0	64	64
3	Chamoli	181	181	164	0
4	Champawat	89	89	60	60
5	Dehradun	153	153	134	134
6	Haridwar	69	0	44	44
7	Nainital	172	172	158	158
8	Pauri	296	296	235	235
9	Pithoragarh	194	185	149	149
10	Rudraprayag	104	104	98	0
11	Tehri	251	179	215	158
12	U.S. Nagar	114	113	91	90
13	Uttarkashi	116	114	95	95
Total		2066	1828	1701	1381

Status of sanctioned teachers and recruitment of teachers is follows:

Table 2.12 Upgraded Schools under RMSA

Year	Sanctioned for New Schools				Recruitment Progress of Headmasters & Teachers		Vacant	
	No. Upgraded Schools	No. of Sanct. Post of HM	No. of Sanc. Subject Teachers	Total	HM	Subject Teachers	HM	Subject Teachers
2009-10	23	23	161	184	17	106	6	55
2010-11	58	58	406	464	45	223	13	183
2011-12	147	147	735	882	93	321	54	414
2012-13	0	0	0	0	0	0	0	0
2013-14	43	43	215	258	6	38	37	177
Total	271	271	1517	1788	161	688	110	829

(b) Training**(i) Head Master/Principals In-service Training of Professional Development**

The cumulative progress in this regard is as under:

Table 2.13 Head Master Training Progress 2009-10 to 2014-15

Intervention	Year	Physical Target	Achieved Target	Budget		Remarks
				Released by GoI in lakhs	Audited Expenditure	
Head Teacher Training	2009-10	-	1772	-	-	1 teacher and 1 principal was sensitized in teacher training
	2010-11	2195	2169	21.95	0.74	-
	2011-12	2149	1956	32.235	21.94	-
	2012-13	-	-	-	-	-
	2013-14	1033	968	15.49	14.52	-
	2014-15	50	45			Conducted through NUEPA

Source: DPO Office 2014-15

State Institute of Educational Management and Administrative Training (SIEMAT) is the designated institution for conducting Head Teacher/Principal's training in the State. GOI has Sanctioned 50 SRG and 50 Principal training on leadership 2014-15. Training package has developed by NUEPA. 50 SRG Training conducted with the help of NUEPA through SIEMAT. Anker Institute for conducting leadership training was selected DIET Pauri and Bheemtal. 45 Principal trained by SRG in Anker Institute.

(ii) Teacher Training**Table 2.14 Cumulative Teacher Training Progress 2009-10 to 2013-14**

Intervention	Year	Physical Target	Achieved Target	Budget	
				Released by GoI in lakhs	Audited Expenditure
Teacher training	2009-10	3502	3544	35.02	-
	2010-11	17264	257	195.92	22.90
	2011-12	14260	8677	213.90	109.99
	2012-13	3694	1987	1987	29.80
	2013-14	12924	7707	193.86	115.61
	2014-15	6889			
New Teacher Training	2009-10	-	-	-	-
	2010-11	648	-	06.48	-
	2011-12	567	539	08.50	7.51
	2012-13	1696	0	0	0
	2013-14	0	0	0	0
	2014-15	225	120		

The GOI has sanctioned 6889 in service teacher training for the year 2014-15. SCERT has developed training package after TNA on Social Study, English, Science and ICT. SCERT has trained MT and KRP as follows:

Table 2.15 Progress of MT 2014-15

S.No.	District	Target	Progress
1	Almora	26	26
2	Bageshwar	8	8
3	Chamoli	18	18
4	Champawat	9	9
5	Dehradun	23	23
6	Haridwar	11	11
7	Nainital	23	23
8	Pauri	27	27
9	Pithoragarh	16	16
10	Rudraprayag	14	14
11	Tehri	26	26
12	U.S. Nagar	15	15
13	Uttarkashi	14	14
Total		230	230

Table 2.16 Progress of KRP 2014-15

S.No.	District	Target	Achievement
1	Almora	6	6
2	Bageshwar	6	6
3	Chamoli	6	6
4	Champawat	6	6
5	Dehradun	6	6
6	Haridwar	6	6
7	Nainital	6	6
8	Pauri	6	6
9	Pithoragarh	6	6
10	Rudraprayag	6	6
11	Tehri	6	6
12	U.S. Nagar	6	6
13	Uttarkashi	6	6
Total		78	78

Teacher training conducted at district/block level in the supervision of Nodal Officer-Block Education Officer/District Education Officer (Secondary) and faculty of SCERT. In service teacher training is going on the progress of training till date as follows:

Table No. 2.17 Progress of Trained Teacher 2014-15

S. No.	District	English			Social Science			Science			ICT	Total Teacher Govt. & Aided
		Govt.	Aided	Total	Govt.	Aided	Total	Govt.	Aided	Total		
1	Almora	174	6	180	274	10	284	117	10	127	29	620
2	Bageshwar	63	5	68	85	5	90	33	2	35	26	219
3	Chamoli	131	2	133	216	6	222	84	1	85	35	475
4	Champawat	46	0	46	59	0	59	43	0	43	27	175
5	Dehradun	112	32	144	146	35	181	125	34	159	58	542
6	Haridwar	55	17	72	45	10	55	60	17	77	82	286
7	Nainital	143	3	146	158	7	165	122	5	127	33	471
8	Pauri	190	23	213	194	27	221	146	25	171	29	634
9	Pithoragarh	89	2	91	148	5	153	87	3	90	39	373
10	Rudraprayag	91	4	95	120	2	122	58	1	59	28	304

S. No.	District	English			Social Science			Science			ICT	Total Teacher Govt. & Aided
		Govt.	Aided	Total	Govt.	Aided	Total	Govt.	Aided	Total		
11	Tehri	157	2	159	199	2	201	125	2	127	80	567
12	U.S. Nagar	93	16	109	98	18	116	79	23	102	34	361
13	Uttarkashi	88	0	88	174	0	174	87	0	87	79	428
Total		1432	112	1544	1916	127	2043	1166	123	1289	579	5455

(iii) New Teacher Training

GOI has sanctioned 225 new teachers training who have got promotion to secondary level under the 25% departmental promotion quota. The progress of New Teacher training follows:

Table 2.18 Proposal of New Teacher Training 2014-15

S.No.	District	Target	Progress
1	Almora	10	10
2	Bageshwar	10	9
3	Chamoli	15	0
4	Champawat	30	14
5	Dehradun	0	0
6	Haridwar	0	0
7	Nainital	40	27
8	Pauri	0	0
9	Pithoragarh	65	32
10	Rudraprayag	20	0
11	Tehri	15	12
12	U.S. Nagar	0	0
13	Uttarkashi	20	16
Total		225	120

Training Methodology

The new teacher training module has developed and printed by SCERT. The key themes was administrative structure of school education, RMSA, NCF 2005, RTE 2009, NTSE, National merit cum means scholarships, Pedagogy, Guidance and Counseling, CCE etc.

The SCERT has developed MT and then the training conducted in cascade model.

(c) Science Fair

It is necessary to organize science related activities at school level continuously for the promotion of science. For this purpose every school conducted science related activities such as science seminar, drama, exhibition, etc. which are mentioned in the list of NCERT. A Rs. 5000.00 of school grant is being used in school level. This activity was a part of school time table. 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.

The progress of science exhibition in the year of 2014-15:-

Table 2.19 Progress of Science Fair 2014-15

S.No.	District	Target	Achievement
1	Almora	1	1
2	Bageshwar	1	1
3	Chamoli	1	1
4	Champawat	1	1
5	Dehradun	1	1
6	Haridwar	1	1
7	Nainital	1	1

S.No.	District	Target	Achievement
8	Pauri	1	1
9	Pithoragarh	1	1
10	Rudraprayag	1	1
11	Tehri	1	1
12	U.S. Nagar	1	1
13	Uttarkashi	1	1
Total		13	13

(d) Book Fair

GOI has sanctioned 13 book fair each per district in 2014-15. Thus 13 district book fairs were organized at district level. 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.

Directions were given to the districts. An 8 members district book selection committee constituted in the chairmanship of district project office RMSA. The committee recommended a suggested list of books to be chosen from the book fair and 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.

Table 2.20 Progress of Book Fair 2014-15

S.No.	District	Target	Achievement
1	Almora	1	1
2	Bageshwar	1	1
3	Chamoli	1	1
4	Champawat	1	1
5	Dehradun	1	1
6	Haridwar	1	1
7	Nainital	1	1
8	Pauri	1	1
9	Pithoragarh	1	1
10	Rudraprayag	1	1
11	Tehri	1	1
12	U.S. Nagar	1	1
13	Uttarkashi	1	1
Total		13	13

(e) Learning Level Assessment (Identification of learning gaps and enhancement of learning levels in secondary Education)

Introduction

The Government of Uttarakhand has adopted CBSE syllabus in place of traditional own board syllabus. RTE & CCE have been implemented in the state at the elementary level. After

the introduction of RTE, the class IX has become the crucial juncture for the students. There was a need to give them some supplements in the form of qualitative educational activity to explore their learning gaps. Hence the activity Learning Level Assessment has been introduced at class IX to identify the gaps of students.

Rationale

Now a day there is paradigm shift in every part of the world and the shift also has shown in teaching learning process. The big gap has occurred and to bridge the gap new approaches should be introduced. Teacher plays a role of guide and facilitator for student, while student it self in a role of creator of knowledge. The poor enforcement of teacher's accountability and no detention imperative up to class VIII under RTE Act might be the reason for learning gaps.

So to eradicate the learning gaps, elevate the confidence level and to reduce dropout rates of students, the activity Learning Level Assessment has risen on the horizon of secondary education.

Target Group

All students of class IX in Government and Government aided schools. Government of India has sanctioned the printing of pre and post tool for 103959 students of class IX and 02 workshop for pre and post assessment.

Strategy

The programme has been implemented in following steps:

1. Meeting of State Resource Group (SRG)

A meeting of SRG organized at state level. A programme of action has been scheduled and a group of subject experts has been identified for preparation of tools in this meeting.

2. Mapping of Subject-wise Competencies for Class VIII and IX

Meeting of subject experts organized at state level and carried out the following activities:

- Analysis of Class VIII and Class IX syllabus.
- Identification of common topics in four core subject (Hindi, English, Maths & Science) for class VIII & IX.
- Identification of competencies in common topics.
- Prioritization of minimum required competencies for remedial teaching.

Development of Tools

Child friendly and competency based assessment tools in four core subject i.e. Hindi, English, Maths & Science have been prepared by group of experts.

Subject-wise and competency-wise formats for child achievement profile have developed and instructions for principals and teachers delivered. Validation of pre and post tools have been done by subject specialist. In place of traditional marking system new three tier achievement level system has been introduced.

(1) Not Achieved : NA

(2) Partially Achieved : PA

(3) Achieved : A

3. Training

KRPs, MTs & BEOs have been trained with the help of SIEMAT. These trained KRPs, MTs & BEOs have given training to principals and teachers at district/block level.

4. Mapping of Learning Gaps and Remedial Areas

Mapping of learning gaps and remedial areas have been found out with the help of table given herein (example):

School:.....		Subject:.....									
Name of Student	Competencies										
	1	2	3	4	5	6	7	14	15
Student 1	A	A	PA	PA	NA	A	A				
Student 2	NA	A	NA	A	PA	A	A				
Student 3	A	A	NA	A	PA	A	A				
Student 4	PA	A	PA	A	PA	A	A				
Student 5	PA	PA	NA	A	PA	A	A				
Student 6	A	NA	A	PA	A	A	PA				
Student 7	NA	A	NA	A	A	A	PA				
Student 8	A	A	PA	NA	PA	PA	PA				
Total (NA+PA)	04	02	07	03	06	01	03				
Priority Areas for Remediation:											
1. Topic-3 2. Topic-5 3. Topic-1 4. Topic-4 & 7 5. Topic-2 6. Topic-6											

5. Remedial Teaching

Remedial teaching have been given to identified students by subject teachers and experts with the help of text books, project work, peer group learning and TLM. The activity conducted atleast 50 teaching hours per subject with in the school time.

6. Post Assessment

In the Post Assessment same procedure like baseline assessment has been adopted.

7. Remedial Teaching for NA+PA Children in Post Assessment

The result of Post Assessment has been analyzed and the students who got PA and NA in the Post Assessment have been given remedial teaching with special attention in regular class room.

Table 2.21 Subject-wise % of Achievement in Pre & Post Assessment

District Name	Hindi		English		Maths		Science	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post
ALMORA	50.39	76.55	31.64	54.75	25.48	50.11	34.81	62.51
BAGESHWAR	50.05	73.71	27.81	50.75	22.98	50.82	34.34	62.40
CHAMOLI	54.60	77.38	34.45	55.84	28.05	44.29	35.17	61.19
CHAMPAWAT	45.62	70.29	24.75	39.42	21.10	39.68	26.93	51.30
DEHRADUN	43.09	70.12	20.65	40.98	17.76	46.63	25.31	55.81
HARIDWAR	40.48	65.92	22.12	33.22	20.04	35.79	27.64	47.31
NAINITAL	36.59	67.52	27.77	63.10	23.07	60.29	31.07	61.71
PAURI	52.51	71.53	27.26	47.50	24.20	45.94	35.91	53.43
PITHORAGARH	49.42	74.16	28.84	48.39	25.55	52.00	32.31	61.00
RUDRAPRAYAG	41.01	76.64	20.67	48.61	17.12	47.94	31.33	67.66
TEHRI	43.80	66.68	23.38	37.79	17.76	41.90	27.26	52.67
U.S. NAGAR	54.00	67.98	27.11	40.36	24.84	39.18	33.36	50.04
UTTARKASHI	44.43	69.23	20.90	41.10	15.80	40.39	23.47	49.60
State	47.00	70.79	25.93	45.61	22.07	46.06	31.36	56.06

Table 2.22 District-wise & Subject-wise % of Achievement in Pre & Post Assessment for year 2014-15

S. No.	District	Hindi				English			
		Pre Assessment		Post Assessment		Pre Assessment		Post Assessment	
		Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A
1	Almora	49.61	50.39	23.45	76.55	68.36	31.64	45.25	54.75
2	Bageshwar	49.95	50.05	26.29	73.71	72.19	27.81	49.25	50.75
3	Chamoli	45.40	54.60	22.62	77.38	65.55	34.45	44.16	55.84
4	Champawat	54.38	45.62	29.71	70.29	75.25	24.75	60.58	39.42
5	Dehradun	56.91	43.09	29.88	70.12	79.35	20.65	59.02	40.98

S. No.	District	Hindi				English			
		Pre Assessment		Post Assessment		Pre Assessment		Post Assessment	
		Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A
6	Haridwar	59.52	40.48	34.08	65.92	77.88	22.12	66.78	33.22
7	Nainital	63.41	36.59	32.48	67.52	72.23	27.77	36.90	63.10
8	Pauri	47.49	52.51	28.47	71.53	72.74	27.26	52.50	47.50
9	Pithoragarh	50.58	49.42	25.84	74.16	71.16	28.84	51.61	48.39
10	Dehradun	58.99	41.01	23.36	76.64	79.33	20.67	51.39	48.61
11	Tehri	56.20	43.80	33.32	66.68	76.62	23.38	62.21	37.79
12	US Nagar	46.00	54.00	32.02	67.98	72.89	27.11	59.64	40.36
13	Uttarkashi	55.57	44.43	30.77	69.23	79.10	20.90	58.90	41.10
State		53.00	47.00	29.21	70.79	74.07	25.93	54.39	45.61

S. No.	District	Mathematics				Science			
		Pre Assessment		Post Assessment		Pre Assessment		Post Assessment	
		Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A
1	Almora	74.52	25.48	49.89	50.11	65.19	34.81	37.49	62.51
2	Bageshwar	77.02	22.98	49.18	50.82	65.66	34.34	37.60	62.40
3	Chamoli	71.95	28.05	55.71	44.29	64.83	35.17	38.81	61.19
4	Champawat	78.90	21.10	60.32	39.68	73.07	26.93	48.70	51.30
5	Dehradun	82.24	17.76	53.37	46.63	74.69	25.31	44.19	55.81
6	Haridwar	79.96	20.04	64.21	35.79	72.36	27.64	52.69	47.31
7	Nainital	76.93	23.07	39.71	60.29	68.93	31.07	38.29	61.71
8	Pauri	75.80	24.20	54.06	45.94	64.09	35.91	46.57	53.43
9	Pithoragarh	74.45	25.55	48.00	52.00	67.69	32.31	39.00	61.00
10	Dehradun	82.88	17.12	52.06	47.94	68.67	31.33	32.34	67.66
11	Tehri	82.24	17.76	58.10	41.90	72.74	27.26	47.33	52.67
12	US Nagar	75.16	24.84	60.82	39.18	66.64	33.36	49.96	50.04
13	Uttarkashi	84.20	15.80	59.61	40.39	76.53	23.47	50.40	49.60
State		77.93	22.07	53.94	46.06	68.64	31.36	43.94	56.06

A total No. of 2358 government and government aided schools covered with LLA and total students 112278 covered from these schools.

(f) Sports Equipments

GOI has sanctioned 95 schools for sports equipment in year 2014-15. To enhance sport related activities in the schools, the availability of sports equipments is important. A total number of 95 schools was identified for the purchase of sports equipments in the year 2014-15. One school selected for each from 95 blocks. These schools was selected on the basis of availability of playground in the school. The minimum number of beneficiary students was more than 100. Physical education teachers was posted there.

The procurement done by concern SMDC/SMC. The priority was given to athletics, Indore game, Volleyball, Football etc.

Table 2.23 Progress of Sport Equipment 2013-14

S.No.	District	Target	Progress
1	Almora	11	11
2	Bageshwar	3	3
3	Chamoli	9	9
4	Champawat	4	4
5	Dehradun	6	6
6	Haridwar	6	6
7	Nainital	8	8
8	Pauri	15	15
9	Pithoragarh	8	8

S.No.	District	Target	Progress
10	Rudraprayag	3	3
11	Tehri	9	9
12	U.S. Nagar	7	7
13	Uttarkashi	6	6
Total		95	95

Source: DPO Office

(g) Training for Community Leaders (SMDC Training)

GOI has sanctioned 2620 SMDC members training from 131 schools for 2014-15. The topics selected for SMDC training are follow:

- Expectation of Community.
- Different Schemes Related to School, Scholarships and Financial Provision.
- My Role in School.
- Resources in School.

The above training was conducted in cascade model.

Table 2.24 SMDC Progress of 2014-15

S.No.	Districts	No. of schools	Target	Acheivment
1	Almora	1	20	20
2	Bageshwar	0	0	0
3	Chamoli	0	0	0
4	Champawat	7	140	140
5	Dehradun	38	760	760
6	Haridwar	3	60	60
7	Nainital	1	20	20
8	Pauri	9	180	180
9	Pithoragarh	3	60	60
10	Rudraprayag	11	220	200
11	Tehri	6	120	120
12	U.S. Nagar	2	40	37
13	Uttarkashi	50	1000	1000
Total		131	2620	2597

Source: DPO Offices

(h) Unnati

GOI sanctioned a Project "UNNATI" i.e. spoken English and skills for 750 school in 2014-15. A firm IL&FS education is selected through national bid. Firm work form spoken English December 2014-15. Firm conducted base line study in selected school and then deputed instructor in selected schools. Out of 750 schools the programme is running 735 schools and programme is going on.

Baseline Objective

The baseline help to

- Identify the gap areas between the present levels of knowledge and capabilities of the students and the desired levels
- Assess the requirement of the students in English language skill area- Listening, Speaking, Reading and Comprehension Skills and Writing
- Adapt the teaching methodology and evaluation/assessment techniques to address the gap areas based on the findings

Pre Survey Activities

The team visited a few Schools and interacted with students before starting the survey. This activity helped in preparing the survey questionnaire. Training was given to the field team

on administration of the questionnaire. This was followed by field testing. The questionnaires were finalised and shared with department.

Methodology

In order to understand the student profile and their level of understanding, the tools used were

- Visit Schools and interaction with students
- Mapping competency through Questionnaires
 - Oral questioning to understand listening and speaking skills
 - Structured questionnaire to understand reading ,comprehension and writing skills
- Administration of test by IETs project team through physical presence wherein the students answered questions using pen and paper and collected the answer sheets

Analysis of Data and Action Plan

On completion of the baseline, the data was compiled and analysed to

- Identify the present levels in
 - Spoken English
 - Grooming skills that is already present in students
- Developed strategies in implementation to reach desired levels.

Target Audience and Sample Size

10 % of the schools were covered for the baseline survey. The samples were chosen from all 13 districts. A total of 82 schools were covered and data of 6178 students were collated for the analysis. Out of this 3052 students were of class IX and 3126 students were of class X.

District	No of Schools	No of students
ALMORA	10	732
BAGESHWAR	3	209
CHAMOLI	7	520
CHAMPAWAT	3	201
DEHRADUN	7	511
PAURI	10	886
HARIDWAR	4	262
NAINITAL	8	535
PITHORAGARH	8	613
RUDRAPRAYAG	4	539
TEHRI	10	702
US NAGAR	4	317
UTTARKASHI	4	151
Total	82	6178

Tools used for Baseline

The oral and written test was given to Std. IX and Std. X students. The students were given written test together and the oral test was conducted individually. The instructions to each exercise was read out in English, and then in Hindi and an explanation provided for easy understanding as it was difficult for many students understand.

A. Oral Test

Listening and Speaking Test

The questions were designed to test the ability to:

- understand simple English
- follow instructions
- articulate

- converse in basic English
- speak about a topic
- speak about public amenities available in the village/town

Reading Test

The questions were designed to test the skill to read (with comprehension):

- simple words
- sentences

Written Test

The questions were designed to test the ability to:

- Read comprehend and write the correct answers
- Write a few sentences about a given topic
- Write correct spelling

Learning from the Baseline

The pre-test emphasized the need for English program in schools. The positive signs were:

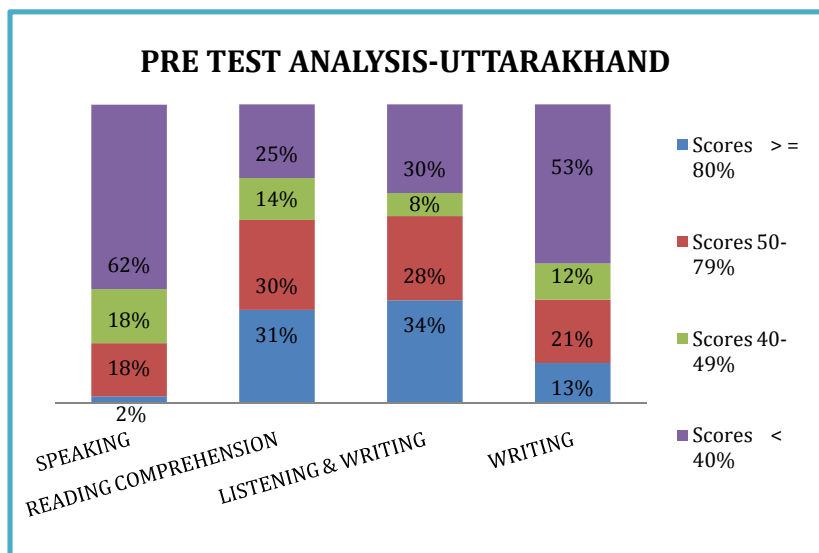
- Eagerness of students to learn English
- Enthusiasm of the HMs to implement the scheme

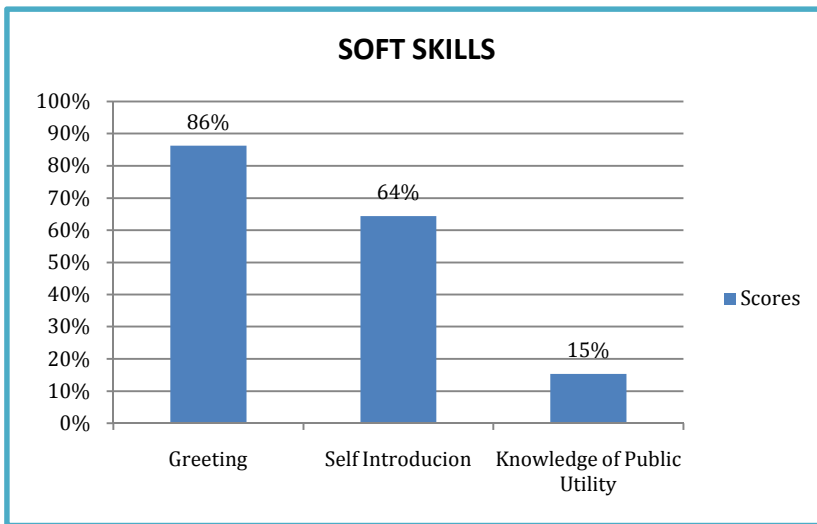
The questions asked were divided in to 4 categories .They were Speaking Skills,Listening and Writing ,Reading and Comprehension and Writing. The percentage of marks received in each category was segregated in 4 levels. The scores have been bucketed into four quantitative categories and four colourcategories. They were Number of students scored more than or equal to 80%, Number of students scored between 50 to 79 % ,Number of students scored between 40 to 49 % , Number of students scored less than 40 % .The graph given below is the summary of marks received by 6178 students in different categories .

In listening and writing category, the questions were read out by the facilitator and students were asked to fill in blanks with missing letters and words. Approximately 34 % of students scored more than 80 % of marks. But when students were asked to frame their own sentences, only 13 % were able to write simple sentences. Spellings mistakes were plenty. 53 % of the students in writing

category scored less than 40% and were unable to write on their own. 47 % students attempted to write a few sentences but were not able to write properly with correct sentence structure or spellings.

31% of the students were able read and comprehendsimple sentences comfortably while only a 2 % could speak on their own. This clearly indicates the need for enhancing speaking skills. In comparison with all the four levels, students fared well in listening and writing than reading comprehension. This was followed by writing skills and speaking.

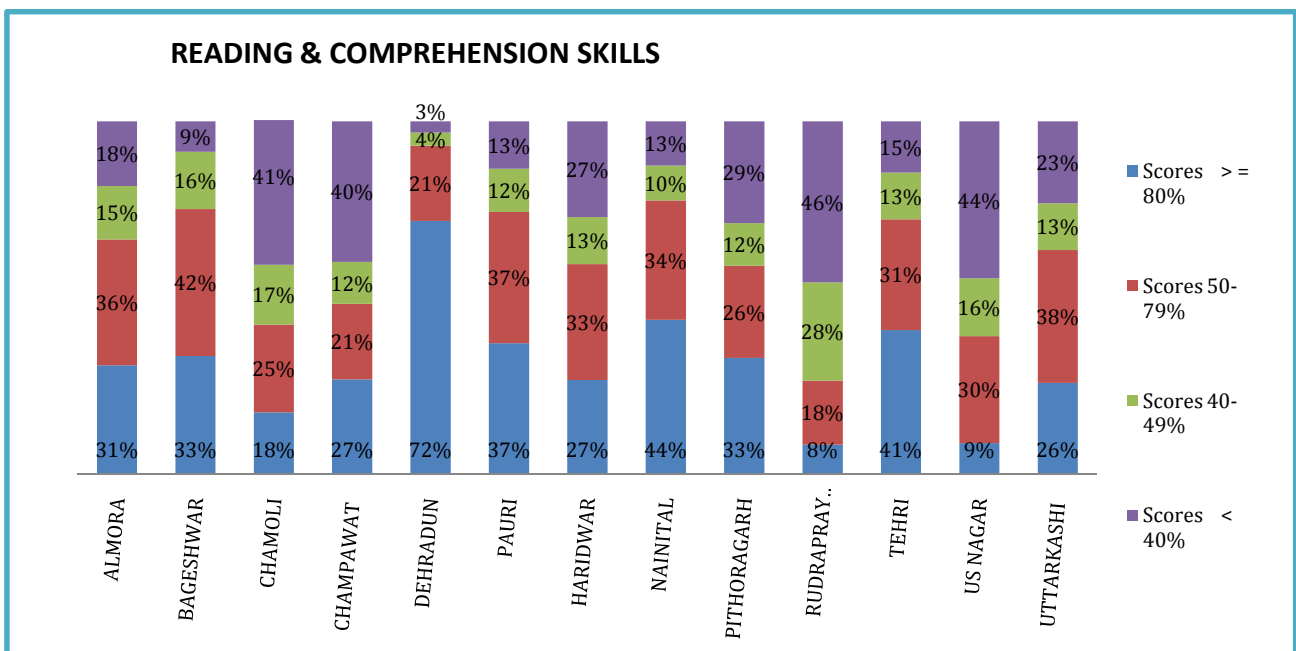




Most of the students were greeting the facilitators in a proper manner. 64% of the students were able to introduce themselves in English with some help from facilitators. Many of the students were giving one word answers. The capability to answer in English was limited. Knowledge about public amenities was there but many could not explain it in English.

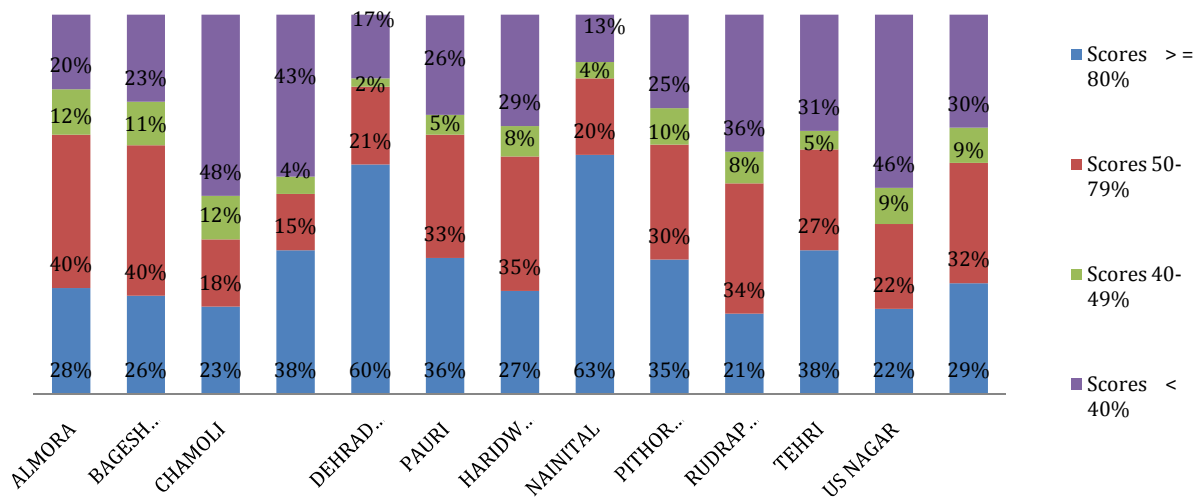
District-wise analysis of skills

While analysing the results of reading and comprehension skills it was found that students from Dehradun fared better than other districts. 72 % students from Dehradun scored more than 80%. Given the varied conditions and terrains of Uttarakhand the questions set were basic so that students are motivated to answer. Students in the city area fared well in this category. Approximately 46% Students from Rudraprayag scored less than 40% of marks. Students from US Nagar, Champawat, Chamoli also did not score well in this category. Around 40% of the students in both districts scored less than 40 %. Questions in this category were aimed at understanding the level of students in reading simple sentences and giving correct answers.

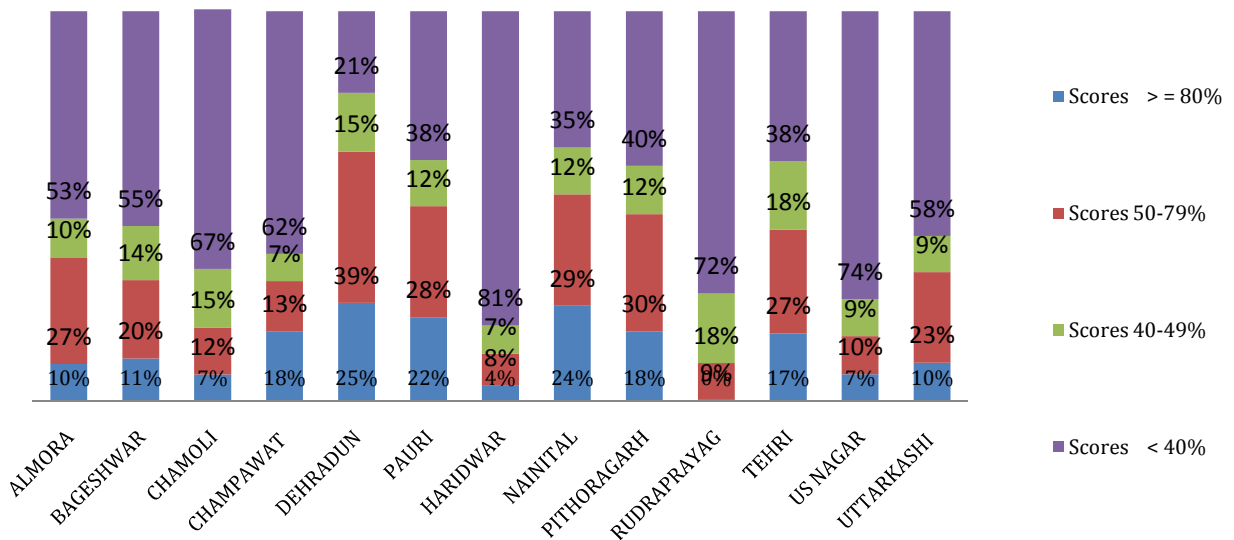


When it was asked to listen to simple words and to fill in missing letters of the words most of the students were comfortable. Though it was a simple exercise, approximately 60 % of students from Chamoli and Champawat scored less than 50 % of marks in this category. It was observed that in some districts students are fairly good in listening and writing simple words. Students from Dehradun and Nainital scored well in this category. At many places it is also observed that students were not comfortable in writing even alphabets.

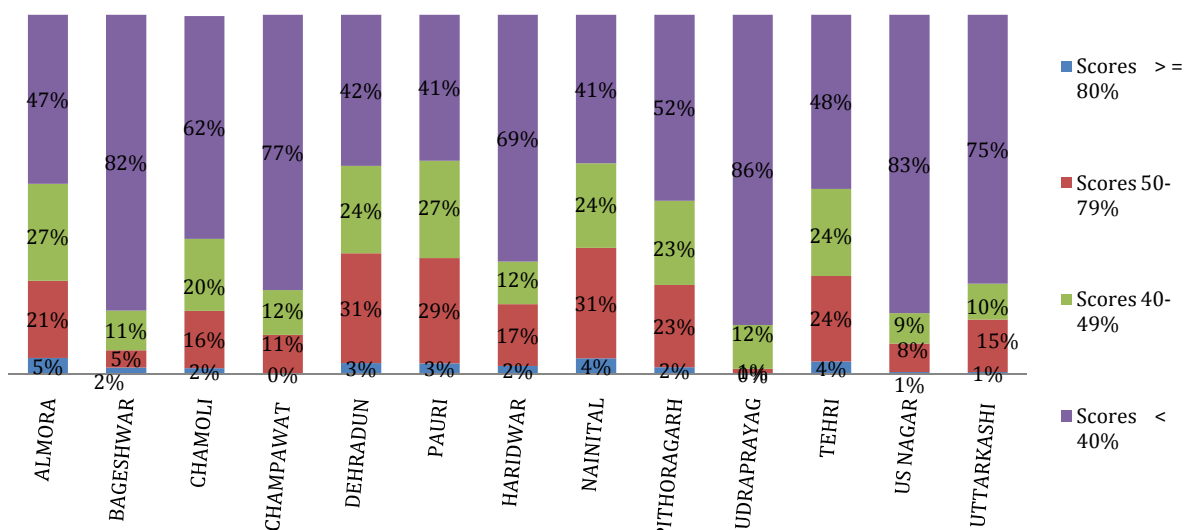
LISTENING & WRITING SKILLS



WRITING SKILLS



SPEAKING SKILLS

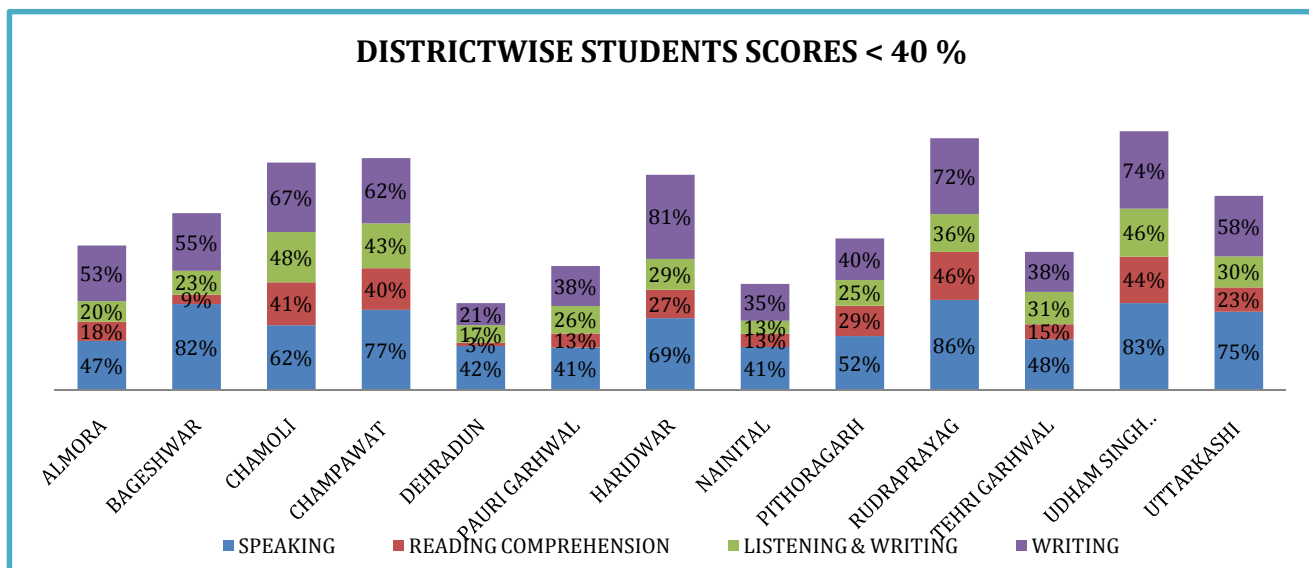
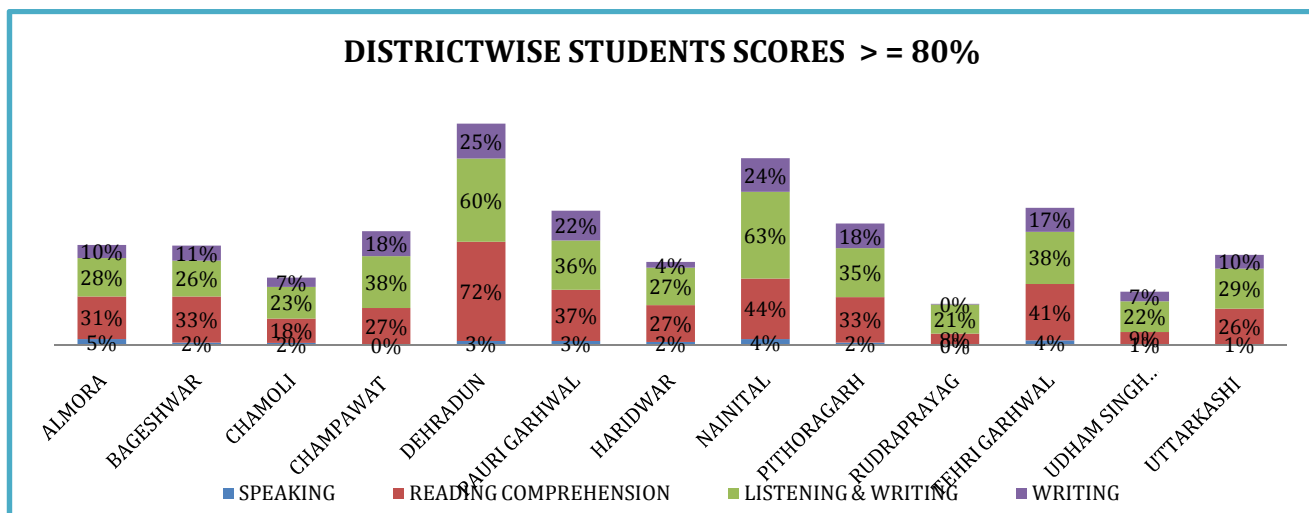


When it was asked to write sentences on their own or around a given topic, it was very difficult for students to structure sentences. They could write basic details like name, class, etc. Majority of the students scored less than 40% in this category. Students from Dehradun, Nainital fared better than their counterparts in other districts. Rudraprayag had less than 1% students scoring more than 80%. In Haridwar more than 81% of the students scored less than 40%. It was observed that there is need to concentrate more on their writing skills as students are mostly learning by rote method.

The graph representing speaking skill implies there is a lot of scope for students to improve their performance. A look at the graph shows that Bageshwar, Rudraprayag, Uttarkashi and Champawat should do a lot more speaking specific inputs. The level of speaking ability on given topic is shown. Again the less than 40% category is very high implying the need for huge improvements. This may also have been because students were not exposed to such activities in school. They also had inhibitions in speaking in English. It is observed that students have performed relatively lower in speaking skills.

District wise analysis on marks received

The graphs given below are based on the analysis of students scored in 4 levels of marks in the 4 categories speaking, listening and writing, reading comprehension and writing. The average performance in listening and writing is better compared to other categories. As shown in graph, students fared well in reading comprehension as well as in listening and writing category. As far as speaking and writing are concerned, the size of the less than 40% level indicates the need for improvement.



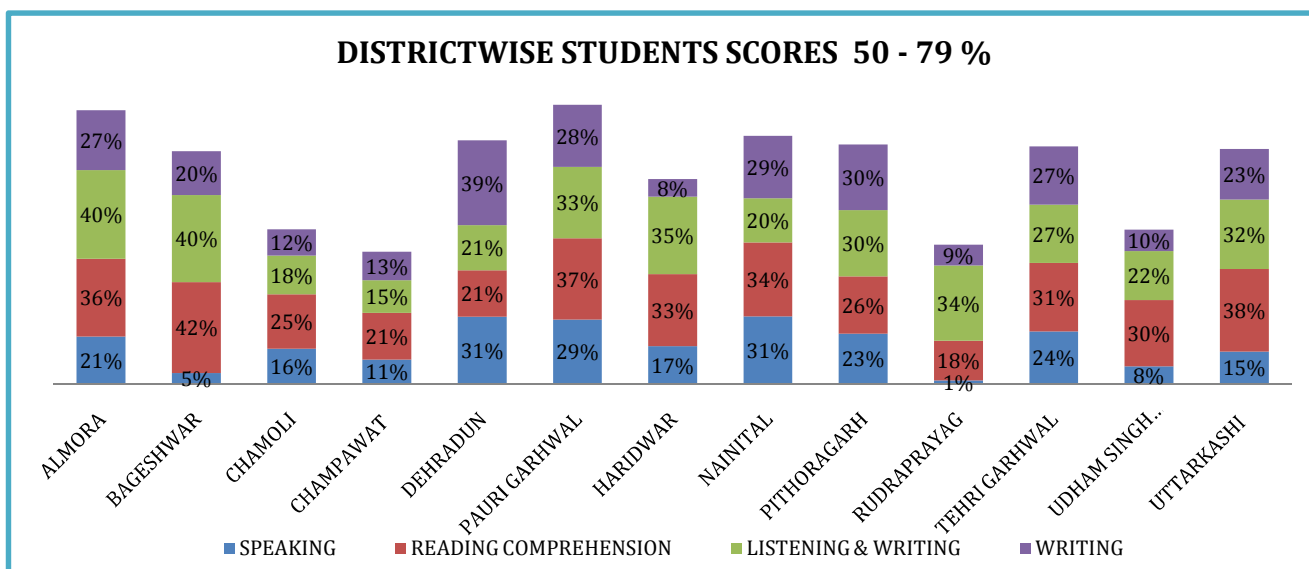
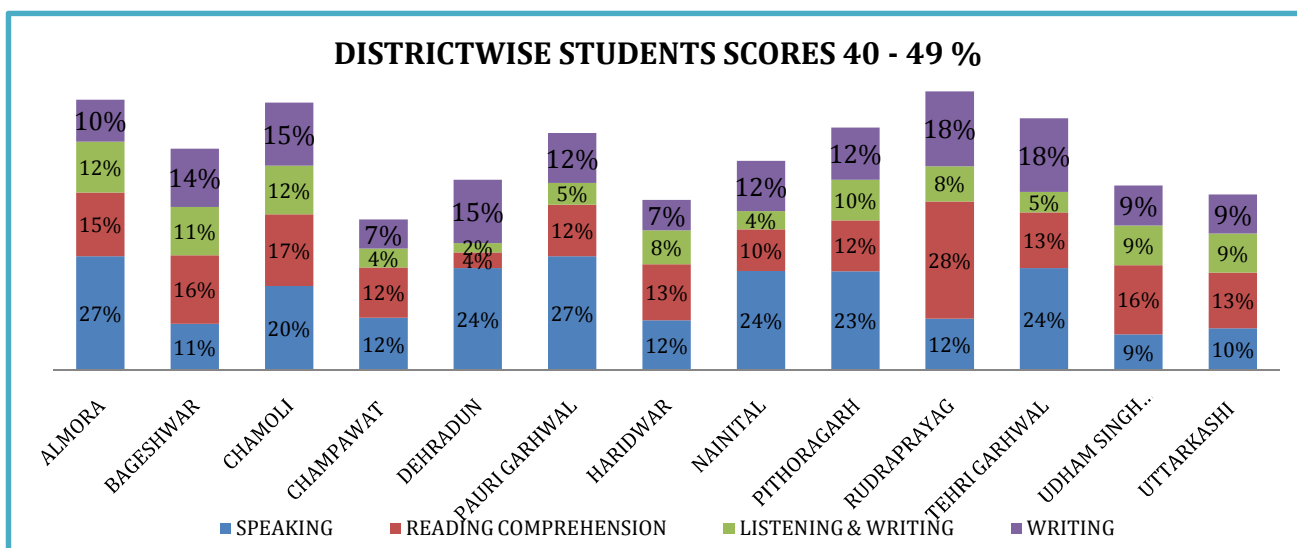
Conclusion

The baseline survey highlighted many of the students lack in Basic English. There is a need to develop an environment in which learners use their new skills and create opportunities to practice and use these skills.

The Baseline survey pointed that though the students study English as their second or third language they lack basic conversation skills, ability to comprehend and write. The fact is that English is learnt by rote, with no understanding and no ability to use it independently. Reading of unfamiliar sentences was done hesitantly by students. The baseline shows that since their foundation is very weak there is need for a Basic English Skills program followed by a set of inputs for building vocabulary, learning and practicing correct sentence structures and reading for comprehension. The need for knowing their surroundings and basic amenities was also emerged as a need. Therefore focus on acquiring new skills by school students and thus increase their employability feature after school education came as the emerging need.

Recommendations

The suggested program had Soft Skills and English skills and there is a need to design and conduct activities in a manner that gives participants ample opportunity and a safe forum to interact with others to share and exchange ideas. This in turn can positively impact their perception and attitude about themselves and the world. Methodology to conduct these trainings has to be through interactive and fun based activities.



The suggested sessions to emphasise on the Basic English skills:

- Listening and Understanding
- Listen and Reply
- Read and Comprehend
- Read and Answer (orally and in writing)

Vocabulary building around identified themes should include:

- Everyday greetings
- Asking questions and giving directions
- Time schedules and duties
- Daily activities
- Relationships
- Family and home
- Market
- Travel
- Profession
- Visiting public utilities

(i) Self defence Training for girls

GOI has sanctioned 142 school for self defence and yoga in 2014-15 for girls. These school were selected on the basis of availability of expert. The expert trained the girls before or after school hour with the concern of school principal. The expert selected by respective SDMC/SMC. The selected expert was certificate holder. A minimum of 30 girls per school were selection criteria of school.

Table 2.25 Progress of Self Defence & Yoga 2014-15

S.No.	District	Target		Progress	
		No. of School	No. of Beneficiary	Progress	No. of Beneficiary
1	Almora	11	330	0	0
2	Bageshwar	6	180	0	0
3	Chamoli	10	300	10	400
4	Champawat	2	60	2	65
5	Dehradun	25	750	25	750
6	Haridwar	12	360	12	968
7	Nainital	10	300	10	400
8	Pauri	15	450	15	807
9	Pithoragarh	10	300	10	782
10	Rudraprayag	3	90	3	245
11	Tehri	18	540	18	540
12	U.S. Nagar	14	420	12	504
13	Uttarkashi	6	180	5	150
Total		142	4260	122	5611

2.2.2 Girls Hostel

Implementation of scheme

The implementation of the scheme is being done by Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad under umbrella of RMSA. State Irrigation department is nominated construction agency and prepared detail estimates and local specific design for each hostel. Government of India has approved site specific design and construction cost as per state SOR for each in year 2012-13.

A lady teacher from the KGBV in which the hostel is located or from the schools to which the hostel will be attached may be appointed as warden of the hostel. She will be paid an honorarium as per the norms of the scheme in addition to her salary. She will also be entitled to free family accommodation in the hostel.

Each inmate has been provided with photo ID along with unique number in order to ensure easy monitoring. On the back of the card, grievances redressal mechanism and contact numbers and addresses of responsible persons is provided in the local language. State Government also encouraged to set up free help lines for redressal of grievances.

An ICT based Management System has been developed in consultation with State Governments so that the financial assistance can directly transferred in the account of each student to be maintained by a public sector bank situated nearest to the institutions/hostels.

According to census 1991 and 2001 there are 28 KGBVs are running in Uttarakhand. State Government took decision for continue the hostel and free boarding lodging facilities to all class VIII passed girls in all KGBVs till class XII, but only 19 KGBVs or EBBs are eligible for Girl Hostel scheme according to census 2001. State Government sanctioned 100 bedded girls hostel building in all rest 09 KGBVs and also bearing the recurring cost of all girls studying in these hostels.

GOI sanctioned 19 girls hostel building in year 2013-14, State Project Office signed MOU with construction agency for each hostel individually. Construction agency prepared site specific detail estimate and designed for all girls hostel. After appraisal of detail estimates and design GOI sanctioned following amount as non-recurring grant for Girls Hostel.

Table 2.26 Progress of Girls Hostel 2014-15

S. No	District	Name of Girls Hostel	No. of Students
1	ALMORA	KGVB CHAGETHI	23
2	DEHRADUN	GIRLS HOSTEL KALSI	27
3	DEHRADUN	GIRLS HOSTEL TUINY	20
4	HARIDWAR	BAJUHERI ROORKEE	31
5	HARIDWAR	BADIWALA BHAGWANPUR	33
6	HARIDWAR	GORDHANPUR KHANPUR	50
7	HARIDWAR	RANIMAJRA BAHADARABAD	13
8	HARIDWAR	HARJOLLY JAT NARSAN	25
9	HARIDWAR	AKBARPUR UD LAKSAR	20
10	TEHRI	GH RAUNSAI	42
11	TEHRI	GH RAUTU KI BELI	14
12	TEHRI	GH AMPATA	40
13	TEHRI	GH SUJARGAON	18
14	TEHRI	GK KAUSHAL	31
15	U.S. NAGAR	BAZPUR	2
16	UTTARKASHI	CHINYALISAUR	30
17	UTTARKASHI	MORI	31
18	UTTARKASHI	NAUGAON	27
19	UTTARKASHI	PUROLA	34
Total			511

Table 2.27 Sanctioned and Released Non-Recurring Grant for Girls Hostel

(Rs. in lakhs)

S. No.	District	Block	Location of Girls Hostel	Construction Cost	Furniture	Gas Connection	Total Approved Cost	Fund released to construction agency
1	Uttarkashi	Chinyalisaur	KGBV Danpur	176.02	6.71	0.20	182.93	88.01
2	Uttarkashi	Purola	KGBV Kandiyalgaon	194.91	6.71	0.20	201.82	97.46
3	Uttarkashi	Naugaon	KGBV Gangani	196.57	6.71	0.20	203.48	98.29
4	Uttarkashi	Mori	KGBV Kharsari	198.82	6.71	0.20	205.73	99.41
5	Tehri	Bhilangana	KGBV Rounsai	208.70	6.71	0.20	215.61	104.35

S. No.	District	Block	Location of Girls Hostel	Construction Cost	Furniture	Gas Connection	Total Approved Cost	Fund released to construction agency
6	Tehri	Tholdhar	GHSS Kaushal	185.85	6.71	0.20	192.76	92.93
7	Tehri	Narendra Nagar	KGBV Aampata	197.80	6.71	0.20	204.71	98.9
8	Tehri	Pratap Nagar	GIC Lambgaon	179.53	6.71	0.20	186.44	89.77
9	Tehri	Jaunpur	KGBV Routu Ke Beli	186.62	6.71	0.20	193.53	93.31
10	Haridwar	Roorkee	KGBV Bajuheri	189.33	6.71	0.20	196.24	94.67
11	Haridwar	Bhagwanpur	KGBV Badiwala	176.05	6.71	0.20	182.96	88.03
12	Haridwar	Khanpur	GHSS Goverdhanpur	167.20	6.71	0.20	174.11	83.6
13	Haridwar	Bahadarabad	KGBV Rani Majra	187.48	6.71	0.20	194.39	93.74
14	Haridwar	Narsan	KGBV Harjoli Jatt	180.74	6.71	0.20	187.65	90.37
15	Haridwar	Laksar	KGBV Akbarpur Ud	189.07	6.71	0.20	195.98	94.54
16	Dehradun	Chakrata	GIC Tyunee	186.11	6.71	0.20	193.02	93.06
17	Dehradun	Kalsi	GIC Kalsi	175.95	6.71	0.20	182.86	87.98
18	Almora	Dhauladevi	KGBV Chagethi	191.45	6.71	0.20	198.36	95.73
19	US Nagar	Bajpur	GGIC Bajpur	184.49	6.71	0.20	191.40	92.25
Total				3552.69	127.49	3.80	3683.98	1776.40

Table 2.28 Financial Status (Non-Recurring)

Rs. in Lakhs

S.No.	Year	Total Sanction Amount	Released Amount	Expenditure
1	2012-13	3683.98	1888.02	1768.35
2	2014-15	-	1283.90	-

Table 2.29 Financial Status (Recurring)

Rs. in Lakhs

S.No.	Year	Total Sanction Amount	Released Amount	Expenditure
1	2011-12	61.21	64.235	64.235
2	2012-13	58.42	98.09	95.24
3	2013-14	107.09	53.54	50.92
4	2014-15	110.11	55.49	56.28

Table 2.30 Construction Work Detail (Girls Hostel)

(As on January 2015)

Sl. No	District	Block	Place of Girls Hostel	Construction Division of Irrigation Department	Sanc. Amt. for Civil Work	Released Amt. of 1st Installment as per MOU	Physical Progress
1	Dehradun	Kalsi	Kalsi	Dakpatthar Colony & Communication Division, Dakpatthar, Dehradun	175.95000	87.97500	70%
2	Dehradun	Chakrata	Tyuni		186.11000	93.05500	60%
3	Uttarkashi	Mori	Kharsari		198.82000	99.41000	10%
4	U S Nagar	Bajpur	Bajpur	Jamrani Dam Construction Division-3, Damuadhunga, Haldwani	184.49000	92.24500	100%
5	Uttarkashi	Naugaon	Gangnani	Lakhwar Dam Construction Division-3, Dakpathar, Dehradun	196.57000	98.28500	30%
6	Uttarkashi	Purola	Kandiyal Gaon		194.91000	97.45500	-
7	Tehri	Pratapnagar	Sujad Gaon	Maneri Bhali	179.53000	89.76500	-
8	Uttarkashi	Chinyalisaur	Dhanpur	Construction Division-1, Joshiyara, Uttarkashi	176.02000	88.01000	0%
9	Haridwar	Lakasar	Akbarpur Ud	Power Channel	189.07000	94.53500	50%
10	Haridwar	Roorkee	Bajuheri	Construction Division-3, Haridwar	189.33000	94.66500	70%
11	Haridwar	Khanpur	Goverdhanpur	Power House Construction Division, Rishikesh	167.20000	83.60000	85%
12	Haridwar	Narsan	Harjoli Jatt	Tunnel & Power House Division-2, Dehradun	180.74000	90.37000	80%
13	Almora	Dhauladevi	Chagethi	Yamuna Construction Division-2, Dehradun	191.45000	95.72500	-
14	Haridwar	Bahadrabad	Rani Majara		187.48000	93.74000	94%

Sl. No	District	Block	Place of Girls Hostel	Construction Division of Irrigation Department	Sanc. Amt. for Civil Work	Released Amt. of 1st Installment as per MOU	Physical Progress
15	Haridwar	Bhagwanpur	Badiwala		176.05000	88.02500	100%
16	Tehri	Bhilangana	Raunshal		208.70000	104.35000	37%
17	Tehri	Narendra Nagar	Aampata		197.80000	98.90000	88%
18	Tehri	Jaunpur	Rautu Ki Beli		186.62000	93.31000	84%
19	Tehri	Tholdhar	Kaushal		185.85000	92.92500	92%
Total					3552.69000	1776.34500	

Out of 19 Girls Hostel buildings 02 are completed 13 are under construction and 01 building is under tender process. 03 Girls Hostel buildings are un-started due to unfeasibility of land and absence of any contractor. State Govt. has decided to construct these hostels after rectification of all difficulties. State Govt. is also constructing the 09 Girls Hostel building, where KGBVs are running but Girls Hostels are not approved by GOI.

Table 2.31 Status of Girls Residing in Girls Hostel

S. No.	District	Name of Girls Hostel	Enrolment details of inmates as on date						
			SC	ST	OBC	BPL	Muslim	Other	Total
1	ALMORA	GIRLS HOSTEL CHAGETHI	7	0	0	16	0	0	23
2	DEHRADUN	GIRLS HOSTEL KALSI	4	22	0	1	0	0	27
3	DEHRADUN	GIRLS HOSTEL TUINY	9	10	1	0	0	0	20
4	HARIDWAR	GIRLS HOSTEL GOVERDHANPUR	20	0	23	4	1	2	50
5	HARIDWAR	GIRLS HOSTEL RANI MAJHRA	8	0	11	0	0	0	19
6	HARIDWAR	GIRLS HOSTEL BAJUHERI	31	0	0	0	0	0	31
7	HARIDWAR	GIRLS HOSTEL AQBARPUR UD	8	0	9	19	2	0	38
8	HARIDWAR	GIRLS HOSTEL HARJOLI JATT	16	0	6	0	1	0	23
9	HARIDWAR	GIRLS HOSTEL BADIWALA	0	0	1	0	0	2	3
10	TEHRI	GIRLS HOSTEL BHILANGANA	9	0	0	33	0	0	42
11	TEHRI	GIRLS HOSTEL JAUNPUR	6	0	25	0	0	0	61
12	TEHRI	GIRLS HOSTEL NARENDRA NAGAR	8	0	0	32	0	0	40
13	TEHRI	GIRLS HOSTEL PRATAPNAGAR	5	0	0	12	0	0	17
14	TEHRI	GIRLS HOSTEL THOULDHAR	3	0	0	11	0	0	14
15	U.S. NAGAR	GIRLS HOSTEL BAZPUR	1	0	1	0	0	0	2
16	UTTARKASHI	GIRLS HOSTEL DHANPUR CHINYALISOUR	13	0	6	11	0	0	30
17	UTTARKASHI	GIRLS HOSTEL GANGNI NAUGAON	14	0	13	0	0	0	27
18	UTTARKASHI	GIRLS HOSTEL KANDIYALGAON PUROLA	13	0	17	0	0	0	30
19	UTTARKASHI	GIRLS HOSTEL KHARSHALI MORI	8	0	26	0	0	0	34
TOTAL			183	32	139	139	4	4	531

There are 531 girls residing in 19 Girls Hostels in current year. This is proposed that after construction of own building 100 Girls will be enrolled in each hostel.

Manpower in Girls Hostel

According to GOI guideline the following posts are sanctioned in Girls Hostel:-

S. No.	Name of Post	No. of Post	Honorarium/month (In Rs.)	Nature of Post
1	Warden	19	5000/-	On Deputation
2	Head Cook	19	5150/-	Contractual
3	Assistant Cook	38	4880/-	Contractual
4	Chaukidar	19	5150/-	Contractual

Warden of KGBVs are also looking after the Girls Hostels. 09 Chaukidar, 10 Head Cook & 13 Assistant Cook are in position. The contractual post are filled through Out Sourcing agency.

2.2.3 Vocational Education

Activities carried out in 2014-15

- 44 Schools (25 Plain & 19 Hill) are selected in all 13 districts.
- Labs space identified in selected schools.
- SRG for vocational education constituted at state level.
- MOU signed with Wadhvani Foundation for providing technical assistance in implementation of vocational education programme.
- MOU signed with NSDC for student's assessment & certification purpose.
- Awareness programmes for students/teachers/principals and SMDC's members are organised at school level.
- Meeting with Uttarakhand Vidyalayee Shiksha Parishad, Ramnagar (Examination Board) was organised for students assessment and certification in co-ordination with NSDC and Wadhvani Foundation.
- A NSQF Cell at Uttarakhand Vidyalayee Shiksha Parishad, Ramnagar has been established.
- Uttarakhand Vidyalayee Shiksha Parishad, Ramnagar has integrated vocational education subjects as a main core subjects at secondary and higher secondary level.
- State adopted PSSCIVE designed curriculum and reference materials.
- Books are printing in Hindi and English languages through SCERT.
- EOI floated for selection of Vocational Training Partners (VTP's)/agencies for implementation of vocational education in schools.
- On the basis of EOI, RFP has designed and published to select the agencies for implementation of vocational education.
- Only 02 proposals are received, so State Project Office has decided cancel the bid and invite new proposals for implementation of vocational education. State Government also set the responsibilities of vocational training partners.
- The list of equipment suggested by the PSSCIVE has been considered by State Government and decides that need based list of equipment will be finalized by State Resource Group with help of NSDC & Wadhvani Foundation and procurement process will be taken by SMDC/SMC as per RMSA Financial & Procurement Manual.

Responsibilities of VTPs

The service provider will be responsible for the following in the proposed programme covering 44 secondary and senior secondary schools. Among these 25 schools are situated in plain area and 19 schools are situated in hilly area. The service provider shall:

- a) Ensure arrangement of maintenance of tools and equipments, software and e-learning material as and when required.
- b) Ensure day-to-day requirements of stationary and other consumables for conducting the classes.
- c) Provide resource persons including teachers/skill trainers, skill knowledge providers, industry coordinators, guest faculty as per requirement of the project.
- d) Provide 02 vocational teachers in selected school of plain and hilly area as per the trade. Initial requirement Year 1-Year 3 shall be of 01 teacher for class 9-10. If class 11-12 are added to the program additional 1 teacher shall be deployed by the service provider.
- e) Ensure hands on skill training to students in industrial and commercial establishments.
- f) Ensure internal assessment of the students.
- g) Ensure theoretical and practical classes as per NSQF guidelines.
- h) Ensure students, parents, teachers and community mobilization in selected schools.

- i) Create awareness among the students, parents, teachers and community for the vocational education.
- j) Provide guidance and counselling services to the students as and when required.
- k) Ensure industry visit to the student for their improvement in practical exposure.
- l) Provide placement to the eligible students in related job market after passing out the level IV certificate.
- m) Organize minimum 20 guest faculty lecture in each relating subject/trade in every selected schools.

Another Activities Planned for Academic year 2014-15

1. Separate NSQF Cell at State for Vocational Education under SPO;
2. Principal Training for selected schools;
3. Online Portal for reporting management for Vocational Education Programme – Support by NIC;
4. Agreement with VTPs;
5. Selection & recruitment of VTPs/Implementation Partners;
6. Selection & recruitment of vocational teachers will be followed on the basis of PSSCIVE educational qualification norms.
7. Training of vocational teachers by trade-wise;
8. Lab setup at school level;
9. Project rollout in April, 2015;

2.2.4 ICT@School

The Govt. of Uttarakhand has initiated the process of integration of Information & Technology in education under the 'Arohi' Programme since 2001 to prepare the students for digital future. Under this programme efforts were made to computerize every secondary and senior secondary school in the state. More than 8000 computers have been provided to different Govt. and Govt. aided schools. The state government made provisions for teachers' computer training through various training programmes of Intel and Microsoft companies. Educational content CDs have been provided to 34 schools and all DIETs of the state under e-class Project and we are further in the process to provide these content CDs to all schools of Uttarakhand.

A comparative evaluation of 13 Pilot schools covered under e-class project had been furnished by the department on the basis of results of last three years and a progressive report of the learning status of the students studying in e-class has been found. 125 schools of the state have already been covered under the ICT Scheme throughout right purchase. The implementation of the scheme in the schools has empowered the learners for utilization and application of the skills, knowledge and understanding and teachers to use ICT as a tool to make the teaching & learning process/classroom practices more interesting. Emphasis of learning is shifting from acquiring information to constructing knowledge. Students are being equipped to "learn to learn" and "How to learn" and also acquire the skills required for changing nature of the work places.

Steps taken by States/UTs for promotion of Computer Education

For the better implementation of 'ICT in Schools Scheme' and to concentrate on better outputs of the scheme, previously an 'ICT Cell' has been established under the Director, Secondary Education, Uttarakhand. Now this scheme is implementing by Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parisad, Uttarakhand and integrated work plan is developed for all CSS. A Project Monitoring Unit (PMU – ICT) has also been established at State Level for monitoring of the schools covered under ICT@Schools Scheme. For training, and guidance of teachers to ensure the best use of ICT tools in schools, State government has also established a

'State Educational Information & Technology Academy' (ITA). The ICT Programme among the schools is being implemented in the following manner.

- a) Extending computer literacy and awareness to every student.
- b) Enabling the teachers to enhance their subject knowledge and professional skills with the use of ICT.
- c) Facilitating the teachers to use ICT as an aid for teaching learning process and to make the classroom interactive and participatory.
- d) Enabling students to learn through ICT and provide facilities for interacting with their counterparts across the country.

Public Private Participation in ICT

Government of Uttarakhand had signed a MoU with M/s. Microsoft and M/s. Intel for training of teachers and principals. As a result we could train more than 30,000 teachers who have gone through these training programmes.

M/s. S. Chand & Co. a private publisher has been entrusted with the responsibility of developing educational software in Physics, Chemistry, Biology and Mathematics subjects from class IX to XII. Coverage of 500 Schools sanctioned in 2010-11 under ICT@Schools Scheme (BOOT Model) is under process.

Government of Uttarakhand involved IL&FS Education & Technology Service Ltd. to provide teachers training under ICT. This firm is conducting teachers training for school sanctioned in year 2007-08 under ICT. The education department developed content with the help of this firm. Total 500 teachers are trained under this scheme.

Programme Implementation & Monitoring System

A state level ICT Cell has been established at Directorate School Education in previous years for the implementation of the scheme. According to GOI guideline this scheme is integrated with RMSA & Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parisad is implementing this scheme from 2013-14. A Project Monitoring Unit (PMU) has been established to monitor and manage the implementation of the 'ICT in schools scheme' in Uttarakhand. Apart from that the ICT programme is also being monitored through the existing hierarchical Administrative structures. Substantial number of Principals has also been trained in computers to enable them to monitor the computer programmes in the schools. As per previous provisions, A Third Party Evaluation of equipments will be proposed for this project.

Table 2.32 Structure of PMU Cell-Post Sanctioned

S.No.	Post	Sanctioned	Working
1	Manager, Technology Management	01	0
2	Manager, Training & Human Resource	01	0
3	Computer Operator	01	0
4	Peon	02	0

Table 2.33 School Level wise Detail

S. No.	Year of Sanction	Type of School	Number of Schools Sanctioned		
			Govt.	Govt. aided	Total
1	2005-06	Secondary school	0	0	0
		Higher Secondary school	25	0	25
2	2007-08	Secondary school	2	0	2
		Higher Secondary school	98	0	98
3	2010-11	Secondary school	15	0	15
		Higher Secondary school	485	0	485
Total			625	0	625

Table 2.34 Financial Progress**(Rs. in Lakhs)**

Financial Year	Fund Received			Expenditure Up to March 2014	Balance
	GOI	State	Total		
2007-08	301.50	27.77	329.27	597.86	63.54
	150.00	14.63	164.63		
	151.50	16.00	167.50		
Total	603.00	58.40	661.40	581.78	79.62
2010-11	500.00	166.67	666.67	0.00	666.67
Grand Total	1103.00	225.07	1328.07	581.78	746.29

Government of India has not sanctioned any fund for year 2014-15.

Activity carried out in 2013-14

In the year 2013-14 teachers trained for the schools approved 2007-08 in 100 schools.

Activities Carried Out in 2014-15

- Empowered Group of Ministers (EGM) approved RFP for ICT.
- RFP floated on 9th Sep., 2013.
- Suggestions from bidders came in pre bid meeting on 20th Sep., 2013.
- Revised RFP approved by EC (10th Jan., 2014) and also approved by Hon'ble CM (4th Mar., 2014).
- RFP floated on 3rd Apr., 2014 but bit not received.
- Conference of firms/agencies organised on 8th Jul., 2014 about RFP document, after suggestions of bidders revised RFP submitted to Govt. for approval.
- Bid invite shortly.
- 625 Teacher are trained in 05 days In Service Training programme under RMSA about ICT from 125 ICT covered.
- Training Module have been developed by SPO.
- KRPs and MTs are trained at State Level.
- Teachers Training imparted at District Level.

2.2.5 Inclusive Education for Disabled at Secondary Stage (IEDSS)

The CWSN students studying in Govt. and aided schools are being covered by IEDSS scheme. For year 2014-15 the total 1579 students are identified through U-DISE data. Camp are being organized at district level with the help of CMO for the identification of degree of disability.

Target Group

The scheme will cover all children of age 14+ passing out of elementary schools and studying in secondary stage in Government, local body and Government-aided schools, with one or more disabilities as defined under the Persons with Disabilities Act (1995) and the National Trust Act (1999) in the age group 14+ to 18+ (classes IX to XII), namely

- Blindness
- Low vision
- Leprosy cured
- Hearing impairment
- Locomotors disabilities
- Mental retardation
- Mental Illness
- Autism

- Cerebral Palsy

And may eventually cover (i) Speech impairment and (ii) Learning Disabilities, etc.

Girls with disabilities will receive special focus and efforts would be made under the scheme to help them gain access to secondary schools, as also to information and guidance for developing their potential.

Components of the Scheme

1. It is proposed to provide for educational facilities under this scheme for all children with disabilities that are included in general schools at the secondary and senior secondary level (classes IX to XII).
2. The Scheme will include assistance for two kinds of components, viz.:-
 - I. Student-oriented components, and
 - II. Other components (e.g. those relating to infrastructure, teacher training, awareness generation, etc.)

For the first group of components, it is proposed to provide assistance to States/ Union Territories / Autonomous bodies @ Rs. 3000/- per disabled child per annum for specified items, **The State Government will provide a top up of Rs. 600/- per child per annum towards scholarship for each child.**

State Interventions

State Govt. provided Rs. 600.00 per child per annum to all children with special need having disability certificate of 40% and more than 40%.

Table 2.35 Total funds status released by GOI

S. No.	Year	Sanctioned amount from GOI (in Lakh)	Released amount from GOI (in Lakh)	Utilized amount (in Lakh)	Remark
1.	2010-11	279.83	139.91	-	GOI released on 28 th March 2011. So amount could not utilized in 2010-11.
2.	2011-12	788.43	-	116.79	The released amount of 2010-11 has been utilized
3.	2012-13	492.11	-	13.46	Funds not Released
4.	2013-14	168.82	-	8.03+94.60 = 102.63	Funds not Released. Rs. 94.60 lakh has been released from GOI for year 2010-11 for construction of resource rooms.
5.	2014-15	171.59	95.88	90.06	The funds have been released to Districts and the work is in progress.

Table 2.36 Financial Status for Year 2010-11 & 2011-12

S. No.	Name of Activity	Sanctioned for year	Amount Utilized (in Lakhs)	Achievement
1.	Construction of 95 Resource Rooms	2010-11	62.7	88 Resource rooms completed and remaining about to complete.
Total amount utilized for the activities of 2010-11 (A)			62.7	
2.	Assessment of 1774 Children	2011-12	2.636	1774 children assessed
3.	Orientation Programme for 310 Teachers	2011-12	3.31	310 teachers oriented
4.	Workshop, monitoring and administrative expenses	2011-12	0.646	
5.	Construction of Ramp-Railing and Barrier free Toilets	2011-12	47.5	95 barrier free toilets and ramp railing constructed.
Total amount utilized for the activities of 2011-12 (B)			54.09	
Grand Total (A+B)			116.79	

Construction of Resource Rooms 2010-11

For sanctioned activity construction of 95 resource rooms The GOI has released Rs. 1.39 crore on 28th Marc 2011. This amount has been utilized in the activities sanctioned for year 2010-11&2011-12. 95, resource rooms have been approved for the year 2010-11 and among these 95 resource room 88 resource rooms have been completed by the constructing agencies namely Rural Engineering Service Department and Irrigation Department, Uttarakhand. Till now the amount of Rs. 157.30 lakhs for construction of resource rooms has been released to the construction agencies. The construction work of remaining 07 resource rooms could not be started due to lack of sufficient funds. Since 2010-11, there is steep hike in State Schedule of Rate (SOR), under these circumstances; it's not possible to construct the un-started 07 resource rooms @ Rs. 2.00 lakhs per resource room in 2014-15. So the amount in not being required for these 07 resource rooms. The net amount Rs. 18.7 lakhs is still awaited.

S.N.	District	Sanctioned Resource Rooms	Resource Room Completed
1	Almora	11	11
2	Bageshwar	03	03
3	Chamoli	09	07
4	Champawat	04	04
5	Dehradun	06	06
6	Haridwar	06	06
7	Nainital	08	07
8	Pauri	15	15
9	Pithoragarh	08	07
10	Rudraprayag	03	01
11	Tehri	09	08
12	US Nagar	07	07
13	Uttarkashi	06	06
Total		95	88

Barrier free toilets and ramp - railings 2011-12

In first phase for year 2011-12 barrier free toilets and ramp and railings have been constructed in 95 schools to access the school premises without help. In those 95 schools, resource rooms are also being constructed with help of constructing agencies. Barrier free toilets and ramp and railings constructed with the help of SMDC.

S.N.	District	Sanctioned Barrier Free Toilets and Ramp Railings	Completed Barrier Free Toilets and Ramp Railings
1	Almora	11	11
2	Bageshwar	03	03
3	Chamoli	09	09
4	Champawat	04	04
5	Dehradun	06	06
6	Haridwar	06	06
7	Nainital	08	08
8	Pauri	15	15
9	Pithoragarh	08	08
10	Rudraprayag	03	03
11	Tehri	09	09
12	US Nagar	07	07
13	Uttarkashi	06	06
Total		95	95

The amount Rs. 54.09 Lakhs has been utilized for the sanctioned activities of 2011-12 in the expectation of release from Govt. of India. The Govt. of India has sanctioned Rs. 788.43 Lakhs for 2011-12 in different activities but not released any amount for 2011-12.

Financial Status for Year 2012-13

The Govt. of India for year 2012-13 has appraised the financial proposal of Uttarakhand on dated 18-10-12 and sanctioned Rs. 4.92 Crore in different activities, but GOI not released funds for 2012-13.

State Intervention

State Govt. has provided Rs. 600.00 per per annum as scholarship to 823 children with special need having disability certificate of 40% and more than 40%.

Financial Status for Year 2013-14

The Govt. of India for year 2013-14 has appraised the financial proposal of Uttarakhand on dated 12-06-13 and sanctioned Rs. 1.68 Crore in different activities, but GOI not released funds for 2013-14. Rs. 94.60 lakh has been released from GOI for year 2010-11 for construction of resource rooms.

State Intervention

State Govt. has provided Rs. 600.00 per child per annum as scholarship to 814 children with special need having disability certificate of 40% and more than 40%.

Financial Status for Year 2014-15

S. No.	Name of Activity	Phy.	Unit Cost (in lakh)	Amount Released (in lakh)	Achievement
1.	Identification, Assessment	1579	0.001	1.58	The funds have been released to Districts and the work is in progress.
2.	Stipend for Girls	719	0.002 per month (for 12 months)	17.26	
3.	Uniform	1579	0.0055	8.68	
4.	Books and Stationery	1579	0.0055	8.68	
5.	Salary of Special Educator	40	0.18 (for 6 months)	43.2	
6.	Equipment for Resource Rooms	19	0.70	13.3	
Total				92.70-2.63 =90.07	Remaining amount at districts level Rs. 2.63 has been adjusted.

State Intervention

The State government has sanctioned Rs. 8.238 lakhs to provide Rs. 600.00 per child per annum as scholarship to children with special need for year 2014-15. The process is in progress.

Table 2.37 Status of Identification and Enrolment of Disabled Children (Disability Wise)

S.No.	Disability	B	G	T
1	Visual Impairment (Blindness)	21	17	38
2	Visual Impairment (Low Vision)	152	186	338
3	Hearing Impairment	58	44	102
4	Speech Impairment	56	42	98
5	Loco Motor Impairment	459	370	829
6	Mental Retardation	51	23	74
7	Learning Disability	29	15	44
8	Cerebral Palsy	3	3	6
9	Autism	4	2	6
10	Multiple Disability	27	17	44
Total		860	719	1579

Implementation for year 2014-15

Students Oriented Components

(i) Identification, Profiling, Assessment and Certification

In the year 2011-12, 1774 children assessed with help of Chief Medical Officers of respective district as follows:

Table 2.38 District wise assessed Children

S.N.	District	Boy	Girl	Total
1	Almora	43	37	80
2	Bageshwar	54	27	81
3	Chamoli	81	59	140
4	Champawat	39	16	55
5	Dehradun	88	73	161
6	Haridwar	45	59	104
7	Nainital	98	122	220
8	Pauri	168	107	275
9	Pithoragarh	66	50	116
10	Rudraprayag	55	29	84
11	Tehri	39	44	83
12	US Nagar	167	178	345
13	Uttarkashi	17	13	30
Total		960	814	1774

Due to non release of funds from GOI for consecutive two years 2012-13 & 2013-14, the activity could not performed. For the year 2014-15 Rs. 1.58 lakh has been released to districts for assessment and evaluation. The process is in progress.

(ii) Stipend for Girls

Budget of Rs. 17.256 has been released to districts for year 2014-15. The process is in progress.

S. No.	Name of District	Target	Achievement
1	ALMORA	58	20
2	BAGESHWAR	39	7
3	CHAMOLI	39	38
4	CHAMPAWAT	31	23
5	DEHRADUN	67	55
6	HARIDWAR	19	42
7	NAINITAL	92	16
8	PAURI	71	44
9	PITHORAGARH	30	21
10	RUDRAPRAYAG	55	21
11	TEHRI	41	8
12	U.S. NAGAR	139	64
13	UTTARKASHI	38	12
Total		719	371

Uniform

Budget of Rs. 8.68 has been released to districts for year 2014-15. The process is in progress.

S. No.	Name of District	Target	Achievement
1	ALMORA	124	48
2	BAGESHWAR	73	15
3	CHAMOLI	89	64
4	CHAMPAWAT	70	56
5	DEHRADUN	123	96

S. No.	Name of District	Target	Achievement
6	HARIDWAR	55	98
7	NAINITAL	181	35
8	PAURI	176	99
9	PITHORAGARH	74	45
10	RUDRAPRAYAG	120	39
11	TEHRI	115	34
12	U.S. NAGAR	307	147
13	UTTARKASHI	72	30
	Total	1579	806

Books and Stationery

Budget of Rs. 8.68 has been released to districts for year 2014-15. The process is in progress.

S. No.	Name of District	Target	Achievement
1	ALMORA	124	48
2	BAGESHWAR	73	15
3	CHAMOLI	89	64
4	CHAMPAWAT	70	56
5	DEHRADUN	123	96
6	HARIDWAR	55	98
7	NAINITAL	181	35
8	PAURI	176	99
9	PITHORAGARH	74	45
10	RUDRAPRAYAG	120	39
11	TEHRI	115	34
12	U.S. NAGAR	307	147
13	UTTARKASHI	72	30
	Total	1579	806

Teacher Component

Appointment of Special Educator

35 Special Teachers have been appointed in the State. Budget of Rs. 43.20 has been released to districts for year 2014-15.

S. No.	Name of District	Target	Achievement
1	BAGESHWAR	3	3
2	CHAMOLI	2	2
3	CHAMPAWAT	4	4
4	DEHRADUN	6	6
5	HARIDWAR	6	6
6	PAURI	11	7
7	PITHORAGARH	8	7
	Total	40	35

Equipment for block level Resource room

Budget of Rs. 13.30 has been released to districts for year 2014-15 for 19 resource rooms. The list of equipments has been developed at state level with the help of SRG. The direction has been issued to district to procure equipment as per the list developed by SRG.

2.3 Project Management

"Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad" has been constituted under Societies Registration Act, 1960 on 7th 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 Rashtriya Madhyamik Shiksha Abhiyan (RMSA), Information and Communication Technology (ICT), Inclusive Education for Disabled at Secondary Stage (IEDSS), Girls hostel & Vocational Education etc.

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

2.3.1 General Assembly

1	Chief Minister, Uttarakhand	Chairman (Ex-officio)
2	School Education Minister, Uttarakhand	Vice chairman (Ex-officio)
3	Other Members	Member
4	Director General, School Education	Member Secretary (Ex-officio)

2.3.2 Executive Committee

1	Chief Secretary, Govt. of Uttarakhand	Chairman (Ex-officio)
2	Secretary School Education, Govt. of Uttarakhand	Vice Chairman (Ex-officio)
3	Other Members	Member
4	Director General/State Project Director, RMSA	Secretary (Ex-officio)

2.3.3 State Programme Committee

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

2.3.4 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:

2.3.4.1 Finance Committee

1	Principal Secretary Finance, Govt. of Uttarakhand	Chairman
2	Secretary School Education, Govt. of Uttarakhand	Member
3	Other Members	Member
4	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.

2.3.4.1 Programme Monitoring Committee

1	Secretary School Education, Govt. of Uttarakhand	Chairman
2	Additional Secretary Finance, Govt. of Uttarakhand	Member
3	Other Members	Member
4	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.

2.3.5 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	Chief Education Officer	Vice Chairman
3	Other Members	Member
4	District Education Officer (Secondary)/ District Project Officer	Member Secretary

2.3.6 School Level Committee

2.3.6.1 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 Panchayat 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:

2.3.6.2 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 held once in every three months. The committee monitors the different construction works being undertaken in the school regularly.

2.3.6.3 Academic 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 & Counselling, 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

2.3.7 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.

2.3.8 Planning Process

For Effective planning of RMSA, the State has adopted four tier planning process.

1. Creation of Planning Core Group at different Level

Planning Committee are created at different levels, comprising of project functionaries, education department functionaries, other department functionaries, NGO's representatives, public representatives and parents there are:-

- State Level Planning Committee
- District Level Planning Committee
- School Level Planning Committee

2. Orientation and Capacity Building of Planning Committee

All of the members of these committees are trained for their capacity building pertaining to planning and implementation issues.

2.3.9 Project Implementation

State Project Office at state level and District Project Office at district level are established for project implementation. Block Education Officer is 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:

Table 2.39 Sanctioned, Working & Vacant Posts under RMSA**(As on 31st December, 2014)**

Name of Office	Details of Post	Sanctioned	Working	Vacant	Type of Posting
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	1	0	Ex-Officio, Additional Director Directorate General, School Education
	Finance Controller	1	1	0	Ex-Officio, Finance Controller, SSA
	Joint State Project Director	2	2	0	Deputation
	Finance Officer	1	1	0	Deputation
	Executive Engineer	1	1	0	Contract Basis
	Assistant State Project Director	4	4	0	Deputation
	Assistant Engineer	1	1	0	Contract Basis
	Administrative Officer	1	1	0	Deputation
	Accountant	1	1	0	Deputation
District Project Office, Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad	Computer Operator	3	2	1	Outsourcing
	Peon	3	3	0	Outsourcing
	District Project Officer	13	13	0	Ex-Officio, ADEO (Madhyamik)
	District Resource Person (Academic, Evaluation & Innovation)	13	13	0	Deputation
	District Resource Person (Construction, Planning & SEMIS)	13	13	0	Deputation
	Assistant Account Officer	13	06	7	Deputation
Block Project Office	Accountant	13	13	0	Deputation
	Computer Operator	13	13	0	Outsourcing
	Block Project Officer	95	95	0	Ex-Officio, Block Education Officer

Executive Committee of SIS met on 10 January, 2014 and approved the following post for internal audit of scheme:

S. No.	Name of Post	No. of Post	Pay Scale	Nature of Post
1	Assistant Audit Officer	01	9300-15600, 4800	Deputation/Contract
2	Senior Auditor	01	9300-15600, 4200	Deputation
3	Computer Operator	01	12000/- Per Month	Out Sourcing
4	Peon	01	8000/- Per Month	Out Sourcing

ICT Cell at SPO Level

The State Govt. of Uttarakhand had issued a GO no. 1754/XXIV-3/13/2(168)05 T.C., Dated 6th February, 2014 to establish the PMU-ICT at state level for implementation of ICT.

S. No.	Name of Post	No. of Post	Pay Scale	Nature of Post
1	Manager, Technology Management	01	50000/- Per Month	Contract
2	Manager, Training & Human Resource	01	40000/- Per Month	Contract
3	Computer Operator	01	12000/- Per Month	Out Sourcing
4	Peon/Chaukidar	02	8000/- Per Month	Out Sourcing

IEDSS Cell at SPO Level

S. No.	Name of Post	No. of Post	Pay Scale	Nature of Post
1	Deputy Director	01	9300-15600, 6600	Deputation
2	Psychologist	01	30000/- Per Month	Out Sourcing
3	Stenographer	01	12000/- Per Month	Out Sourcing
4	LDC	01	12000/- Per Month	Out Sourcing

Monitoring and supervision

For effective implementation of project bottom-approach a monitoring is adopted by the state.

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

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"> JE Civil work B.E.O. Regional Education officers. 	<ul style="list-style-type: none"> Monitoring and reporting at the three levels of construction: <ul style="list-style-type: none"> Plinth level. Door band level. Lintel level. Monthly reporting at the district. Collection and verification of SIEMS data. Monitor and supervise all the academic and administrative activities.

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
Infrastructural	DPO and External Agencies	<ul style="list-style-type: none"> • A.E. Civil work • District Resource Person (Planning and civil work) 	<ul style="list-style-type: none"> • Supervision of work according to map design. • Monitoring of qualitative aspect of civil work. • Testing the quality of material. • Reporting to DPO. • Spot verification of the civil work. • Quarterly/monthly progress of civil work and reporting. • Monitoring of quality of construction. • To insure quality work. • Action Taken. • To check the quality work and reporting. • Supervision and Monitoring of SEMIS data. • Support to SMDC/SMC.
Financial	DPO	Assistant Finance and Account officers	<ul style="list-style-type: none"> • To prepare monthly and quarterly progress report. • Physical verification of the spot and financial records. • Implementation of the suggestions of the audit report. • Monitoring of all the financial aspects at the district and school levels. • To monitor school level account, audit and progress.
Academic	DPO and DIET	<ul style="list-style-type: none"> • District Resource Group • DIET (05 subject experts) • District Resource person (Academic, Evaluation and Innovations) 	<ul style="list-style-type: none"> • Supervision, monitoring and reporting of all the academic activities. • To monitor school level academic activities. • To monitor the implementation of teacher training in classroom process.
Planning	SPO and DIET	Functionaries of DIET and SPO	<ul style="list-style-type: none"> • Monitoring and Supervision of SEMIS data. • Monitoring of the norms set up by the central govt. • Appraisal of district plans. • Monitoring of the implementation of the plan according to the set target.

District Project Monitoring Committee

District Project Management Committee formed in every district as per GOI instruction in chairmanship of senior MP/MLA of relative district. This committee reviewed the implementation of all CSS.

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

Activities	Monitoring Agency	Member	Steps to be taken
			functionaries.
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 groups	SRG	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.

School Education Department of Uttarakhand prepared a monitoring calendar for block and district level officials. Director General of School Education, Uttarakhand organized monthly review meetings of CEOs and DEOs about school monitored.

S.No.	Designation	Schools allotted for monitoring per month	Remark
1.	CEO	10 (05 Secondary schools + 05 Elementary schools)	04 Durgam +06 Sugam category
2.	DEO/DPO(RMSA)	10	04 Durgam +06 Sugam category
3.	BEO	15 (06 Secondary schools + 09 Elementary schools)	06 Durgam +09 Sugam category
4.	DRP	10	04 Durgam +06 Sugam category

MMER

State Level Activities Under MMER		
	Activity	Brief about activity
1	Research & Evaluation	
1.1	Third Party Evaluation of Civil Work	Quality control and implementation
1.2	Research Study	1- Impact of in service teacher training 2- Survey of Out of school children 3- Impact of library and integrated lab in learning enhancement
2	Planning Monitoring and Supervision	
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.
3	Management and Quality	
3.1	Salary	For all SPO staff.
3.2	Capacity Building Programme for Project	26 DRPs and 13 DPOs, 13 AAOs and 13 computer

	Functionaries	operators will oriented.
3.3	Strengthening of MIS (U-DISE)	Printing of DCF and data entry, purchasing of computers and other accessories.
3.4	Innovation & other Activities	Innovative activities for quality improvement
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.
District Level Activities Under MMER		
1	Monitoring Activities	
2	Research and Evaluation	
3	Salaries	
4	TA/DA	
5	Contingency	
6	Office Equipments	
7	Hiring of Vehicle	
8	Computer/Laptops Expenditure	

Table 2.40 Budget Proposal under MMER in 2015-16

Amount In Lakhs

S.No.	Activities	State Level	District Level	Total
1	Monitoring Activities (Workshop, Meetings, Field Visit & other Monitoring Activities)	100.00	38.00	138.00
2	Research and Evaluation	80.00	9.50	89.50
3	Salaries	225.00	374.40	599.40
4	Honorarium (Including hiring of services)	75.00	31.20	106.20
5	TA/ DA	90.00	23.75	113.75
6	Community Mobilisation	30.00	4.75	34.75
7	Media oriented activities	50.00	13.00	63.00
8	Contingency	70.00	65.00	135.00
9	Office equip., Vehicle Hiring, Computer, Laptop, other miscellaneous works etc.	222.05	104.00	326.05
10	Block Level Monitoring	0.00	57.00	57.00
Total		942.05	720.60	1662.65

2.4 Action taken against the commitment made in last PAB

(A) Issues on RMSA:

SN	Issue	Status
1	13 Govt. Schools and 2 Govt. Aided Schools have Zero Enrolment	<ul style="list-style-type: none"> ▪ 13 Govt. Schools were sanctioned for up-gradation under RMSA in year 2013-14. In these schools secondary classes were not functional. Now these schools are functional in year 2014-15 and students are enrolled. ▪ 02 Aided Sanskrit schools have zero enrolment.

SN	Issue	Status
2	GER and NER in Haridwar District needs special attention at 72.04% and NER 28.96%, respectively. The district also has a low Retention rate (68.2%) and high Dropout rate (31.8%)	<ul style="list-style-type: none"> ▪ Haridwar district is a special focused district in the state of Uttarakhand. State has upgraded 26 Upper Primary School in district Haridwar. Strengthening of 32 secondary schools has been done. ▪ State Govt. has started bicycle yojana for enhancement of girls enrolment at secondary level. ▪ Girls Hostel are being constructed in all 06 educationally backward blocks of district Haridwar. ▪ State has also proposed 06 Model Schools in all blocks of district Haridwar for enhancement of enrolment and to reduce the dropout rate. ▪ Special teaching is conducting for girls and minority boys in district Haridwar.
3	There are 7827 (40.95%) vacant Teaching Posts in the Govt. secondary schools in state	<p>The actual position of teachers in Govt. secondary schools are following:</p> <ul style="list-style-type: none"> ▪ Total sanctioned post - 19222 ▪ Working teachers - 14763 ▪ Vacant Post - 4458 <p>State Govt. has advertised 3089 posts on 23rd Feb., 2014 rest 1338 posts will be filled through promotion of elementary teachers.</p>
4	State has spent excess amount of MMER during 2012-13 (Approval- Rs. 205.55 lakhs, Audited Exp- Rs. 320.5 lakh (Difference- Rs. 114.9 lakh).	State has spent Rs. 320.50 lakhs of MMER during 2012-13 in salary component which are committed office expenses for implementation of RMSA. State has also intimated to GOI as per letter no. RMSA/10337/53-Budget/2013-14, dated 10 th Feb., 2014 about this.
5	Annual Audit Report for the Girls Hostel Component for the years 2011-12, 2012-13 are due.	Annual Audit for the Girls Hostel component for the year 2011-12 and 2012-13 is going on and will be completed till November, 2014. Annual Audit Report for the Girls Hostel component will be send in 1 st week of December, 2014 to GOI.

(B) Issues on ICT@Schools:

SN	Issue	Status
1	500 schools approved in 2010-11, State has not yet started the implementation of these schools. SPD Uttarakhand has clarified that due to some problem with the RFP and the resulting difficulties, the	State has floated RFP on 03.04.2014. No bidders participated in the process. State has organized bidder conference, in which bidders have requested changes in RFP. Change in RFP is in process Soon

SN	Issue	Status
	implementation got delayed. On request to State Govt., GOI has approved that the Project cycle has been shifted and may be started from year 2014-15.	state will go for bidding process.
2	UCs and Progress Report for the amount of Rs. 151.50 lakh released on 17.10.2009 for 100 schools and the amount of Rs. 500 lakh released on 28.05.2011 for 500 schools approved in 2010-11 are still awaited. The state is yet to inform the MHRD about the State share and Third Party evaluation report.	UC for 151.50 lakh for 100 Schools already sent to MHRD by letter no 163/13/02(168)05T.C/2012-13 dated 06.02.2013 UC for 500 schools will be sent after Utilization.
3	The State is to send a Comprehensive report on the implementation of ICT, including details of teacher training, e-content, curriculum, Internet connection, AMCs, etc. It has been decided that further release of committed liability expenditure in respect of schools already covered will be subject to the utilization Certificates, Progress Reports for the earlier releases and the Budget Provision for year 2014-15.	Comprehensive report attached here with. (Detail Progress Report is mentioned in relevant chapters)
4	State Government to intimate the status physical progress.	2007-08 100 Schools complete. 2010-11 500 Schools in process.

(C) Issues on Girls' Hostel:

SN	Issue	Status
1	State Government to intimate the status of physical progress	Govt. of India approved 19 Girls Hostels in 2012-13 in Uttarakhand. Out of these 16 are in progress.

(D) Issues on IEDSS:

SN	Issue	Status
1	State Government to intimate the status of physical progress	<ul style="list-style-type: none"> ▪ In the year 2010-11, GOI has sanctioned 95 resource rooms, 83 resource rooms have been completed and work is in progress in remaining 12 resource rooms. ▪ In the year 2011-12, GOI has sanctioned 95 barrier free toilets and ramp railings. All the 95 barrier free toilets and ramp railings have been completed. ▪ In the year 2013-14, 43 special teachers have been appointed through out-sourcing agencies. <p>Note: <i>The GOI has sanctioned Rs. 190.00 lakhs for the construction of 95 resource room @ Rs. 2.00 lakhs for resource room, but</i></p>

SN	Issue	Status
		<i>GOI has released only Rs. 157.30 lakhs and remaining Rs. 32.70 lakhs are still due.</i>

(E) Issues on Vocational Education:

SN	Issue	Status
1	State Government to intimate the status of physical progress	44 new vocational schools are sanctioned in year 2014-15. The State Govt. has been issued a Govt. Order to include vocational subjects as 6 th optional subjects in secondary and higher secondary level. State Govt. also signed MoU with Wadhvani Foundation and NSDC for implementation of vocational education in Uttarakhand. State Project Office, RMSA Uttarakhand also invited an EOI for engagement of vocational partners to implement vocational education. The State Govt. is preparing a RFP for inviting the private partners in vocational education. The classes will start from next session 2015-16.

Chapter - 3

Sector Diagnosis - Current Status, Challenges and Priorities

3.1 Demands for Secondary Education

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 Unified District Information System In Education (U-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 from the year 2012-13 the DISE elementary level and the semis at the secondary level were unified and the data collected through the U-DISE.

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)

Year	Population	Growth	Growth Rate
1981	57.72	-	-
1991	71.27	13.55	23.48
2001	84.89	13.61	19.20
2011	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.

Status of Educational Institutions in Uttarakhand

Table 3.2 No. of Primary and Upper Primary Schools

S. No.	Type Of School	No. of Schools		
		Primary only	Upper Primary Only	Primary with Upper Primary
1	Governments	12593	2819	15
2	Govt. Aided	04	184	11

S. No.	Type Of School	No. of Schools		
		Primary only	Upper Primary Only	Primary with Upper Primary
3	Un Aided	3092	519	1350
	Total	15689	3522	1376

Source: U-DISE 2014-15

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

S. No.	District	Secondary	Higher Secondary	Total
1	Almora	124	205	329
2	Bageshwar	44	74	118
3	Chamoli	100	137	237
4	Champawat	56	73	129
5	Dehradun	150	305	455
6	Haridwar	103	147	250
7	Nainital	105	198	303
8	Pauri	157	265	422
9	Pithoragarh	110	148	258
10	Rudraprayag	45	102	147
11	Tehri	119	205	324
12	U.S. Nagar	134	184	318
13	Uttarkashi	61	88	149
	Total	1308	2131	3439

Source: U-DISE 2014-15

Table 3.4 Schooling Structure (Total schools)

Sl. No.	District	No. of Schools with Class I to X	No. of Schools with Class I to XII	No. of Schools with Class V/VI to X	No. of Schools with Class VI to XII	No. of Schools with Class VIII/IX to X	No. of Schools with Class VIII/IX to XII	No. of Schools with Class XI to XII	Total School
1	ALMORA	0	23	116	187	2	1	0	329
2	BAGESHWAR	1	3	43	70	0	1	0	118
3	CHAMOLI	6	5	86	126	7	7	0	237
4	CHAMPAWAT	1	1	52	65	3	7	0	129
5	DEHRADUN	48	171	53	114	49	19	1	455
7	HARDWAR	24	60	54	63	24	21	4	250
8	NAINITAL	16	62	85	136	1	2	1	303
6	PAURI	9	24	136	240	8	5	0	422
9	PITHORAGARH	8	17	94	132	4	3	0	258
10	RUDRAPRAYAG	2	5	34	84	9	13	0	147
11	TEHRI	5	4	44	187	74	10	0	324
12	U.S.NAGAR	25	78	92	94	12	10	7	318
13	UTTARKASHI	6	7	7	70	44	15	0	149
	State Total	151	460	896	1568	237	114	13	3439

Source: U-DISE 2014-15

Table 3.5 Number of Schools having classes IX-X by Management/Funding wise

Sl. No.	District	No. of Schools	Dept. of Education	Tribal/ Social Welfare Dept.	Local Body	Pvt. Aided	Un-Aided Schools	Central Govt.	Madarsa
1	ALMORA	329	256	0	1	40	29	3	0
2	BAGESHWAR	118	88	0	0	16	11	3	0
3	CHAMOLI	237	187	1	0	24	19	6	0
4	CHAMPAWAT	129	102	0	0	8	15	4	0
5	DEHRADUN	454	165	4	2	56	206	21	0
6	HARDWAR	246	86	0	0	38	117	4	1
7	NAINITAL	302	187	1	0	34	75	5	0
8	GARHWAL	422	302	0	1	77	38	4	0
9	PITHORAGARH	258	206	3	0	10	35	4	0
10	RUDRAPRAYAG	147	109	0	0	25	11	2	0
11	TEHRI	324	279	0	0	15	27	3	0
12	U.S. NAGAR	311	122	4	0	28	151	2	4
13	UTTARKASHI	149	122	0	0	3	21	3	0
	Total	3426	2211	13	4	374	755	64	5

*Source: U-DISE 2014-15***Table 3.6 Total Enrolment Status at Elementary Level (Class 1 to 8) Year 2014-15**

SN	Level	Enrollment		
		Boys	Girls	Total
1	Primary (Class 1 to 5)	592961	529841	1122802
2	Upper Primary (Class 6 to 8)	303792	280863	584655
	Total (Class 1 to 8)	896753	810704	1707457

*Source: U-DISE 2014-15***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)	102.67	97.10
2	Net Enrollment Ratio (NER)	89.07	72.73
3	Dropout Rate	3.57	
4	Retention Rate	85.46	100.25
5	Transition Rate (Primary to Upper Primary)		92.31
6	Gender Parity Index (GPI)	0.92	0.94

*Source: U-DISE 2014-15***Table 3.8 Total Enrolment Status at Secondary Level (Class IX to X) Year 2013-14 & 2014-15**

SN	District	Enrolment in Classes IX-X in 2013-14			Enrolment in Classes IX-X in 2014-15		
		Boys	Girls	Total	Boys	Girls	Total
1	Almora	15427	14933	30360	15375	14916	30291
2	Bageshwar	5736	5678	11414	5783	5812	11595
3	Chamoli	9610	8555	18165	9102	8210	17312
4	Champawat	5407	5335	10742	5717	5606	11323
5	Dehradun	31912	28125	60037	33957	30129	64086
6	Haridwar	28513	24984	53497	30995	28207	59202
7	Nainital	19596	17753	37349	19211	17106	36317

SN	District	Enrolment in Classes IX-X in 2013-14			Enrolment in Classes IX-X in 2014-15		
		Boys	Girls	Total	Boys	Girls	Total
8	Pauri	15610	14592	30202	15627	14517	30144
9	Pithoragarh	11791	10398	22189	11125	9809	20934
10	Rudraprayag	5951	5667	11618	5852	5580	11432
11	Tehri Garhwal	14411	14464	28875	14202	14008	28210
12	U.S. Nagar	32870	28884	61754	33215	29729	62944
13	Uttarkashi	7556	7175	14731	7388	7181	14569
Total		204390	186543	390933	207549	190810	398359
State Govt.		98740	111094	209834	96174	109592	205766

Source: DISE 2013-14 & U-DISE 2014-15

Table No 3.8 indicates that 51.65% students of secondary classes are in government schools.

Table 3.9 Total Enrolment Status at Hr. Sr. Secondary Level (Class XI to XII) Year 2013-14 & 2014-15

SN	District	Enrolment in Classes XI-XII in 2013-14			Enrolment in Classes XI-XII in 2014-15		
		Boys	Girls	Total	Boys	Girls	Total
1	Almora	11419	11564	22983	11489	11708	23197
2	Bageshwar	4520	4499	9019	4417	4308	8725
3	Chamoli	7275	6988	14263	7093	7123	14216
4	Champawat	3470	3491	6961	3959	3651	7610
5	Dehradun	25429	23442	48871	28308	25334	53642
6	Haridwar	20275	17931	38206	23105	21429	44534
7	Nainital	15411	14893	30304	14514	14528	29042
8	Pauri	13810	12914	26724	13907	13406	27313
9	Pithoragarh	9225	8185	17410	9124	8098	17222
10	Rudraprayag	4504	4597	9101	4890	4757	9647
11	Tehri Garhwal	10745	11475	22220	10775	11680	22455
12	US Nagar	23069	20803	43872	22438	20654	43092
13	Uttarkashi	6602	6149	12751	6325	5879	12204
STATE		155754	146931	302685	160344	152555	312899
State Govt.		72259	82285	154544	70954	83152	154106

Source: DISE 2013-14 & U-DISE 2014-15

Table No 3.9 indicates that 49.25% students of higher secondary classes are in government schools.

3.2 Projection of School Age Population (14-17) Age Groups)

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 8.99 lakhs consisting of 8.89 percent of the total population in the state in 2011 (Census 2011). The projections indicate that the size of the 14-17 age group population would increase to 9.13 lakhs in 2013, 9.18 lakhs in 2015 and to 8.82 lakhs in 2017. For the secondary school age group (14-15) and higher secondary school age group (16-17), the population size was 4.62 lakhs and 7.37 lakhs respectively in 2011. The projected size would be 4.57 and 4.62 lakhs in 2013 and will increase to 4.17 and 4.65 lakhs for the respective age groups in 2017.

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

	Year 2011	Year 2012	Year 2013	Year 2014	Year 2015	Year 2016	Year 2017
Boys	468550	471131	476719	469161	484373	479548	469551
Girls	431260	436413	437076	425880	432262	422767	413298
Total	899810	907544	913795	895041	916635	902315	882849

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

S. No.	District		District wise Projected Population of age 14-15 year 2011	District wise Projected Population of age 14-15 year 2012	District wise Projected Population of age 14-15 year 2013	District wise Projected Population of age 14-15 year 2014	District wise Projected Population of age 14-15 year 2015	District wise Projected Population of age 14-15 year 2016	District wise Projected Population of age 14-15 year 2017
1	Almora	B	18953	18149	18618	18825	19556	18968	17450
		G	19151	18404	18551	18332	18735	18135	16915
		T	38103	36553	37169	37158	38291	37103	34365
2	Bageshwar	B	6750	6464	6630	6704	6964	6755	6214
		G	6604	6347	6398	6322	6461	6254	5834
		T	13354	12810	13028	13027	13426	13009	12048
3	Chamoli	B	10814	10356	10623	10742	11158	10823	9957
		G	10244	9845	9923	9807	10022	9701	9048
		T	21058	20200	20547	20548	21181	20524	19005
4	Champawat	B	6322	6054	6210	6280	6523	6327	5821
		G	5683	5461	5505	5440	5559	5381	5019
		T	12005	11515	11715	11719	12083	11708	10840
5	Dehradun	B	35466	33963	34839	35228	36595	35495	32654
		G	31409	30183	30425	30067	30728	29743	27742
		T	66875	64146	65265	65295	67323	65238	60396
6	Haridwar	B	40202	38498	39492	39932	41481	40234	37014
		G	35894	34493	34770	34360	35116	33990	31704
		T	76096	72991	74261	74292	76597	74224	68718
7	Nainital	B	21762	20839	21377	21616	22454	21779	20036
		G	19607	18842	18993	18769	19182	18567	17318
		T	41368	39681	40370	40384	41636	40346	37354
8	Pauri	B	19823	18983	19473	19690	20454	19839	18251
		G	19349	18594	18743	18522	18929	18322	17090
		T	39172	37577	38216	38212	39383	38162	35341
9	Pithoragarh	B	12920	12373	12692	12834	13332	12931	11896
		G	11824	11363	11454	11319	11568	11197	10444
		T	24745	23736	24146	24153	24900	24128	22340
10	Rudraprayag	B	6369	6099	6257	6327	6572	6375	5864
		G	6324	6078	6126	6054	6187	5989	5586
		T	12694	12177	12383	12381	12759	12363	11450
11	Tehri Garhwal	B	17228	16497	16923	17112	17776	17242	15861
		G	16488	15845	15972	15784	16131	15614	14564
		T	33716	32343	32895	32896	33907	32855	30425
12	US Nagar	B	35791	34274	35159	35551	36930	35820	32953
		G	32313	31052	31301	30932	31612	30599	28541
		T	68104	65326	66460	66483	68542	66419	61494
13	Uttarkashi	B	8084	7742	7941	8030	8341	8091	7443
		G	7124	6846	6901	6819	6969	6746	6292
		T	15208	14587	14842	14849	15311	14837	13735
TOTAL STATE		B	240484	230291	236235	238870	248138	240678	221413
		G	222014	213352	215062	212528	217200	210239	196098
		T	462498	443643	451297	451398	465338	450917	417511

Source : RGI & NUEPA

Note : Projection are as on 1st 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. 1.3 and in district Uttarkashi the annual average growth rate is lowest i.e. 1.2 between year 2001 to 2011. In 2011 the population of 14-15 age group children is 0.76 lakhs in district Haridwar, which is highest between all the 13 districts and 0.12 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. No.	District		Projected Population of age 16-17 year 2011	Projected Population of age 16-17 year 2012	Projected Population of age 16-17 year 2013	Projected Population of age 16-17 year 2014	Projected Population of age 16-17 year 2015	Projected Population of age 16-17 year 2016	Projected Population of age 16-17 year 2017
1	Almora	B	17974	18981	18953	18149	18618	18825	19556
		G	18049	19241	19151	18404	18551	18332	18735
		T	36023	38222	38103	36553	37169	37158	38291
2	Bageshwar	B	6401	6760	6750	6464	6630	6704	6964
		G	6225	6636	6604	6347	6398	6322	6461
		T	12626	13395	13354	12810	13028	13027	13426
3	Chamoli	B	10256	10830	10814	10356	10623	10742	11158
		G	9655	10293	10244	9845	9923	9807	10022
		T	19911	21123	21058	20200	20547	20548	21181
4	Champawat	B	5996	6331	6322	6054	6210	6280	6523
		G	5356	5709	5683	5461	5505	5440	5559
		T	11351	12041	12005	11515	11715	11719	12083
5	Dehradun	B	33635	35519	35466	33963	34839	35228	36595
		G	29603	31557	31409	30183	30425	30067	30728
		T	63237	67076	66875	64146	65265	65295	67323
6	Haridwar	B	38126	40261	40202	38498	39492	39932	41481
		G	33830	36063	35894	34493	34770	34360	35116
		T	71956	76325	76096	72991	74261	74292	76597
7	Nainital	B	20638	21794	21762	20839	21377	21616	22454
		G	18479	19699	19607	18842	18993	18769	19182
		T	39117	41493	41368	39681	40370	40384	41636
8	Pauri	B	18800	19853	19823	18983	19473	19690	20454
		G	18236	19440	19349	18594	18743	18522	18929
		T	37036	39293	39172	37577	38216	38212	39383
9	Pithoragarh	B	12253	12940	12920	12373	12692	12834	13332
		G	11144	11880	11824	11363	11454	11319	11568
		T	23398	24820	24745	23736	24146	24153	24900
10	Rudraprayag	B	6041	6379	6369	6099	6257	6327	6572
		G	5961	6354	6324	6078	6126	6054	6187
		T	12001	12733	12694	12177	12383	12381	12759
11	Tehri Garhwal	B	16338	17253	17228	16497	16923	17112	17776
		G	15540	16566	16488	15845	15972	15784	16131
		T	31878	33819	33716	32343	32895	32896	33907
12	US Nagar	B	33943	35844	35791	34274	35159	35551	36930
		G	30455	32465	32313	31052	31301	30932	31612
		T	64397	68309	68104	65326	66460	66483	68542
13	Uttarkashi	B	7667	8096	8084	7742	7941	8030	8341
		G	6714	7157	7124	6846	6901	6819	6969
		T	14381	15254	15208	14587	14842	14849	15311
TOTAL STATE		B	228066	240840	240484	230291	236235	238870	248138
		G	209246	223061	222014	213352	215062	212528	217200
		T	437312	463901	462498	443643	451297	451398	465338

Source : RGI & NUEPA

The above table depicts that in district Champawat the annual average growth rate is high i.e. 3.87 and in district Pauri the annual average growth rate is lowest i.e. 1.82 between 2001 to 2011. In 2011 the population of 16-17 age group children is 0.71 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. The proportion of girls population is 48.35% in 2011, 47.8% in 2011 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 2011 is 101.16 lakhs, out of which 4.32% children are from 14-15 age group. The percentage of the children of social group (SC/ST) is 24.36% 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. No.	District	Dacard G.Rate	Total Population			Population 14 & 15 Age Group (Cast Wise) 2011					
						SC			ST		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Almora	3.14	290414	331513	621927	4112	4122	8234	32	30	63
2	Bageshwar	17.56	124121	135719	259840	2060	1921	3982	48	58	106
3	Chamoli	13.51	193572	197542	391114	2205	2057	4262	293	278	571
4	Champawat	9.21	130881	128434	259315	1024	946	1969	19	15	33
5	Dehradun	24.71	893222	805338	1698560	5966	5301	11267	3268	3132	6400
6	Haridwar	26.3	1025428	901601	1927029	10546	9475	20021	105	71	176
7	Nainital	32.88	494115	461013	955128	5486	5271	10757	187	165	352
8	Pauri	3.87	326406	360121	686527	2955	2949	5903	32	34	66
9	Pithoragarh	10.92	240427	245566	485993	3185	2807	5992	509	486	996
10	Rudraprayag	13.44	111747	125110	236857	1236	1154	2390	1	1	2
11	Tehri	16.15	296604	319805	616409	2721	2641	5362	10	7	17
12	US Nagar	27.79	858906	789461	1648367	5783	5288	11071	4328	4168	8497
13	Uttarkashi	22.72	168335	161351	329686	2121	1899	4020	92	76	168
	STATE		5154178	4962574	10116752	49399	45830	95229	8924	8522	17447

Source : Census 2011

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. No.	District	Dacard G.Rate	Total Population			Population 14 & 15 Age Group (Cast Wise) 2011					
						SC			ST		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Almora	3.14	290414	331513	621927	3021	3205	6226	23	17	39
2	Bageshwar	17.56	124121	135719	259840	1526	1439	2965	35	54	88
3	Chamoli	13.51	193572	197542	391114	1816	1730	3546	294	312	606
4	Champawat	9.21	130881	128434	259315	765	662	1427	15	14	30
5	Dehradun	24.71	893222	805338	1698560	5091	4667	9757	2539	2446	4985
6	Haridwar	26.3	1025428	901601	1927029	8318	7148	15466	78	60	137
7	Nainital	32.88	494115	461013	955128	4563	3871	8434	177	178	355
8	Pauri	3.87	326406	360121	686527	2608	2427	5035	25	20	45
9	Pithoragarh	10.92	240427	245566	485993	2622	2149	4771	438	465	903
10	Rudraprayag	13.44	111747	125110	236857	1064	983	2047	3	2	6
11	Tehri	16.15	296604	319805	616409	2046	1999	4045	13	12	25
12	US Nagar	27.79	858906	789461	1648367	4673	3661	8334	3337	3565	6902
13	Uttarkashi	22.72	168335	161351	329686	1703	1520	3222	99	78	177
	STATE		5154178	4962574	10116752	39815	35461	75276	7075	7221	14296

Source : Census 2011

The proposition of SC community children among the State is 20.59% and proposition of ST children is 3.77% out of the total population of 16 to 17 age group children.

3.3 Current Status of Secondary Education

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 3.15 Year wise enrolment in secondary and higher secondary level

Class	2012-13			2013-14			2014-15		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
IX	100738	92991	193729	101877	93137	195014	103481	94109	197590
X	101668	94570	196238	102513	93406	195919	104068	96701	200769
Total	202406	187561	389967	204390	186543	390933	207549	190810	398359
XI	76348	73284	149632	78721	73149	151870	76778	74021	150799
XII	72893	68997	141590	77033	73782	150815	83566	78534	162100
Total	149241	142281	291222	155754	146931	302685	160344	152555	312899

Source: SEMIS, 2012-13, DISE 2013-14 & U-DISE 2014-15

This reveals that the total enrolment at secondary level was 389967 in 2012-13 and it increased 398359 in 2014-15. The total enrolment at higher secondary level was 291222 in 2012-13. This has increased to 312899 in 2014-15.

Table 3.16 Enrolment by Class, Gender and Social Category

Category	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
As on 30th Sept 2013-14												
General	55615	48819	104434	56990	51386	108376	46983	43748	90731	49868	46194	96062
SC	24513	23199	47712	24190	23046	47236	14048	14461	28509	15739	15316	31055
ST	3316	3175	6491	3397	3363	6760	2542	2794	5336	2865	2926	5791
OBC	20037	18916	38953	19491	18906	38397	13205	13018	26223	15094	14098	29192
Total	103481	94109	197590	104068	96701	200769	76778	74021	150799	83566	78534	162100

Source: U-DISE 2014-15

The enrolment of SC children in 2014-15 is 23.83%, ST children 3.33% and OBC is 19.42% in the secondary level. While at higher secondary level the participation is 19.04% of SC, 3.56% of ST and 17.71% of OBC in year 2014-15.

Table 3.17 Age Specific enrolment in secondary

Age	Class 9			Class 10			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
14	32580	29036	61616	35104	29526	64630	67684	58562	126246
15	17692	16724	34416	32548	29853	62401	50240	46577	96817
Total	50272	45760	96032	67652	59379	127031	117924	105139	223063

Source : U-DISE 2014-15

The share of 14 and 15 year age children in total enrolment at secondary level is 55.99%. The population of girls enrolment in 14 and 15 age group children out of the total enrolment is 55.10%.

Table 3.18 Age Specific enrolment in higher secondary level

Age	Class 11			Class 12			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
16	23933	23177	47110	24823	21071	45894	48756	44248	93004
17	15133	14969	30102	24203	22644	46847	39336	37613	76949
Total	39066	38146	77212	49026	43715	92741	88092	81861	169953

Source : U-DISE 2014-15

The share of 16 and 17 year age children in total enrolment at higher secondary level is 54.31%. The share of girls enrolment in total 16 and 17 age group children out of the total enrolment is 53.65%.

Gross and Net Enrolment Ratio (GER and NER) of Secondary Classes in Uttarakhand for year 2014-15

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 DISE data, there are about 3.98 lakhs children enrolled during 2014-15 for the secondary (IX and X) classes in Uttarakhand. By gender break-up, there are 207549 and 190810 respectively of male and female children enrolled for the secondary classes in the state during 2014-15. The projections for the secondary school age population are as on 1st March. Taking the projections of secondary school age population for years 2014-15 is 451398.

The gross enrolment ratio (GER) of secondary schooling in the state is about 88.25 percent during 2014-15. The gender-wise gross enrolment ratio (GER) of secondary school age male and female children is 86.89% and 89.78% respectively in the state.

Table 3.19 District wise GER

S. No.	District	GER								
		All community			SC			ST		
		B	G	T	B	G	T	B	G	T
1	ALMORA	81.67	81.37	81.52	105.5	102.49	103.99	96.875	76.667	87.097
2	BAGESHWAR	86.26	91.93	89.01	99.046	99.54	99.284	20.408	55.932	39.815
3	CHAMOLI	84.73	83.72	84.25	109.93	100.58	105.42	56.081	43.262	49.827
4	CHAMPAWAT	91.04	103.05	96.61	125.07	121.59	123.4	115.79	260	179.41
5	DEHRADUN	96.39	100.21	98.15	87.633	100.13	93.512	80.974	87.383	84.111
6	HARIDWAR	77.62	82.09	79.69	69.537	71.894	70.653	176.85	186.3	180.66
7	NAINITAL	88.87	91.14	89.93	83.939	81.539	82.763	93.264	112.87	102.47
8	PAURI	79.37	78.38	78.89	118.54	112.53	115.54	290.91	188.24	238.81
9	PITHORAGARH	86.68	86.66	86.67	108.01	107.51	107.77	63.689	53.862	58.888
10	RUDRAPRAYAG	92.49	92.17	92.34	120.19	119.42	119.82	400	900	650
11	TEHRI	82.99	88.75	85.76	106.8	106.59	106.7	170	271.43	211.76
12	U.S. NAGAR	93.43	96.11	94.68	124.53	134.06	129.08	63.7	63.959	63.827
13	UTTARKASHI	92.00	105.31	98.11	93.592	103.45	98.249	130.85	115.38	123.84
	TOTAL	86.89	89.78	88.25	96.61	98.9	97.72	73.39	74.85	74.1

Source : U-DISE 2014-15

The above table shows that the GER at secondary level increased year by year 70.25% to 88.25% from year 2009-10 to 2014-15 respectively. The GER at higher secondary level increased 65.44% to 70.25% from year 2009-10 to 2014-15.

Table 3.20 District wise NER

S. No.	District	All Category		
		Boys	Girls	Total
1	ALMORA	47.4	46.4	46.9
2	BAGESHWAR	50.1	51.8	50.9
3	CHAMOLI	49.5	48.3	48.9
4	CHAMPAWAT	46.3	52.0	48.9
5	DEHRADUN	56.1	56.4	56.2
6	HARIDWAR	36.7	37.7	37.2
7	NAINITAL	53.7	54.2	53.9
8	PAURI	49.1	49.3	49.2
9	PITHORAGARH	53.5	49.8	51.8
10	RUDRAPRAYAG	52.5	51.6	52.1
11	TEHRI	48.9	50.3	49.6
12	U.S. NAGAR	53.5	52.3	52.9
13	UTTARKASHI	51.7	54.1	52.8
	TOTAL	49.4	49.5	49.4

Source : U-DISE 2014-15

The net enrolment ratio at secondary level was 39.00% in year 2009-10 and it increased by 2.08% annual growth rate and become 49.40% in year 2014-15 at secondary level in Uttarakhand. The NER of girls is increasing with 3.27% which is above than boys 1.78%. Which indicate that there is a good progress in appropriate girls enrolment at secondary level of the age 14-15.

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.

Promotion and Repetition Rate at Secondary Level

Table 3.21 District wise Promotion & Repetition Rate

District	Promotion Rate			Repetition Rate		
	Boys	Girls	Total	Boys	Girls	Total
Almora	77.302	86.727	81.932	14.74	9.06	11.95
Bageshwar	81.924	83.69	82.807	10.49	9.24	9.86
Chamoli	77.879	89.163	83.19	10.45	5.31	8.03
Champawat	80.19	81.962	81.054	10.97	9.41	10.21
Dehradun	76.722	84.794	80.488	5.25	3.54	4.45
Haridwar	66.803	69.508	68.068	3.87	3.13	3.52
Nainital	73.585	83.517	78.274	12.36	7.59	10.11
Pauri	81.784	88.616	85.084	7.04	5.30	6.20
Pithoragarh	81.809	85.52	83.563	7.99	5.66	6.89
Rudraprayag	82.269	87.386	84.757	11.51	7.70	9.66
Tehri	82.04	87.241	84.63	3.00	3.34	3.17
US Nagar	75.992	81.461	78.554	8.08	6.91	7.53
Uttarkashi	84.619	83.904	84.267	8.46	8.97	8.71
Total	76.68	82.81	79.60	7.82	5.79	6.85

Source: U-DISE 2014-15

The above table shows that the promotion rate at secondary level is 79.60 while the repetition rate at secondary level 6.85%.

Drop Out Rate and Retention Rate at Secondary Level

Table 3.22 Dropout & Retention Rate

District	Drop Out Rate			Retention Rate		
	Boys	Girls	Total	Boys	Girls	Total
Almora	7.9595	4.2104	6.1175	80.953	87.572	84.162
Bageshwar	7.5875	7.0684	7.3279	87.152	87.797	87.467
Chamoli	11.666	5.5263	8.7767	83.748	89.093	86.233
Champawat	8.8383	8.6236	8.7336	92.314	89.055	90.741
Dehradun	18.029	11.669	15.062	94.085	108.63	101.13
Haridwar	29.323	27.366	28.408	68.138	69.588	68.821
Nainital	14.055	8.8908	11.617	78.878	90.617	84.328
Pauri	11.173	6.0833	8.7146	85.211	92.705	88.87
Pithoragarh	10.201	8.8235	9.5501	80.655	82.93	81.722
Rudraprayag	6.216	4.9166	5.5842	90.585	93.93	92.185
Tehri	14.955	9.4228	12.2	84.339	88.729	86.49
US Nagar	15.931	11.628	13.915	76.466	81.144	78.79
Uttarkashi	6.9223	7.1208	7.02	86.723	86.098	86.415
Total	15.5	11.4	13.54	80.81	86.26	83.43

Source: U-DISE 2014-15

The above table reveals that in year 2014-15 the drop rate is 13.54 percent and the retention rate 83.43 percent at secondary level.

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 3.23 District wise Transition Rate (Year 2014-15)

District	Transition Rate Class VIII to Class IX		
	Boys	Girls	Total
Almora	99.31	97.05	98.15
Bageshwar	94.09	93.10	93.59
Chamoli	95.96	93.48	94.73
Champawat	84.55	84.59	84.57
Dehradun	102.38	102.99	102.66
Haridwar	95.12	94.26	94.71
Nainital	96.72	95.07	95.92
Pauri	91.09	92.29	91.67
Pithoragarh	94.71	91.82	93.31
Rudraprayag	99.17	93.23	96.15
Tehri	94.90	93.63	94.27
US Nagar	90.61	91.25	90.91
Uttarkashi	91.85	91.79	91.82
Uttarakhand	95.26	94.54	94.91

Source: U-DISE 2014-15

According to U-DISE source, the enrolment in class VIII during 2013-14 was 1.98 lakhs in Uttarakhand and from the U-DISE data we have the total enrolment with repeater in class IX as 0.09 lakhs respectively during 2014-15. With these numbers the new entrants in class IX is derived as 1.88 lakhs after excluding the repeaters. Then the transition rate for the reference year 2013-14 from elementary to secondary level is 94.91%.

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 1570 children with special needs enrolled for the secondary and higher secondary classes in Uttarakhand during 2014-15.

Table 3.24 Status of Enrolment of Disabled Children

S.No.	District	Boys	Girls	Total
1	ALMORA	69	60	129
2	BAGESHWAR	27	23	50
3	CHAMOLI	52	53	105
4	CHAMPAWAT	61	61	122
5	DEHRADUN	78	103	181
6	HARIDWAR	65	33	98
7	NAINITAL	58	35	93
8	PAURI	128	77	205

S.No.	District	Boys	Girls	Total
9	PITHORAGARH	35	31	66
10	RUDRAPRAYAG	51	42	93
11	TEHRI	56	21	77
12	U.S. NAGAR	150	109	259
13	UTTARKASHI	49	43	92
TOTAL		879	691	1570

Source: U-DISE 2014-15

The gender distribution of the physically challenged children enrolled for the secondary and higher secondary classes indicate that the female children account about 44.01% of the total of children with special needs for secondary level.

Table 3.25 ICT Summary

S. No.	Type of School	Nature and number of school			Schools covered under ICT			Balance		
		Govt.	Govt. aided	Total	Govt.	Govt. aided	Total	Govt.	Govt. aided	Total
1	2	3	4	5	6	7	8	9	10	11
1	Secondary school	978	69	1047	17	0	17	961	69	1030
2	Higher Secondary school	1252	306	1558	608	0	608	644	306	950
Total		2230	375	2605	625	0	625	1605	375	1980

3.3.1 Physical Access and Facilities

(i) Profile of Secondary Level Institutions.

Table 3.26 Number of Schools having classes IX-X by Management/Funding wise

Sl. No.	Name of District	No. of Schools	Dept. of Education	Tribal/Social Welfare Department	Local Body	Pvt. Aided	Un-Aided Schools	Central Govt.	Madarsa
1	ALMORA	329	256	0	1	40	29	3	0
2	BAGESHWAR	118	88	0	0	16	11	3	0
3	CHAMOLI	237	187	1	0	24	19	6	0
4	CHAMPAWAT	129	102	0	0	8	15	4	0
5	DEHRADUN	454	165	4	2	56	206	21	0
6	HARDWAR	246	86	0	0	38	117	4	1
7	NAINITAL	302	187	1	0	34	75	5	0
8	GARHWAL	422	302	0	1	77	38	4	0
9	PITHORAGARH	258	206	3	0	10	35	4	0
10	RUDRAPRAYAG	147	109	0	0	25	11	2	0
11	TEHRI	324	279	0	0	15	27	3	0
12	U.S. NAGAR	311	122	4	0	28	151	2	4
13	UTTARKASHI	149	122	0	0	3	21	3	0
Total		3426	2211	13	4	374	755	64	5

Source: U-DISE 2014-15

This table show that 64.91% school are managed by state government. Only 22.04% schools are managed by private unaided bodies.

Table 3.27 Schooling Structure (Total schools)

Sl. No.	Name of District	No. of Schools with Class I to X	No. of Schools with Class I to XII	No. of Schools with Class V/VI to X	No. of Schools with Class VI to XII	No. of Schools with Class VIII/IX to X	No. of Schools with Class VIII/IX to XII	No. of Schools with Class XI to XII	Total School
1	ALMORA	0	23	116	187	2	1	0	329
2	BAGESHWAR	1	3	43	70	0	1	0	118
3	CHAMOLI	6	5	86	126	7	7	0	237
4	CHAMPAWAT	1	1	52	65	3	7	0	129
5	DEHRADUN	48	171	53	114	49	19	1	455
7	HARDWAR	24	60	54	63	24	21	4	250
8	NAINITAL	16	62	85	136	1	2	1	303
6	PAURI	9	24	136	240	8	5	0	422
9	PITHORAGARH	8	17	94	132	4	3	0	258

Sl. No.	Name of District	No. of Schools with Class I to X	No. of Schools with Class I to XII	No. of Schools with Class V/VI to X	No. of Schools with Class VI to XII	No. of Schools with Class VIII/IX to X	No. of Schools with Class VIII/IX to XII	No. of Schools with Class XI to XII	Total School
10	RUDRAPRAYAG	2	5	34	84	9	13	0	147
11	TEHRI	5	4	44	187	74	10	0	324
12	U.S.NAGAR	25	78	92	94	12	10	7	318
13	UTTARKASHI	6	7	7	70	44	15	0	149
State Total		151	460	896	1568	237	114	13	3439

Source: U-DISE 2014-15

Table 3.28 Schools by Category

S. No.	District	Secondary School	Hr. Sec. School	Intermediate/ Junior College	Degree College with +2 level	Post-Graduate college with +2 and +3 levels	Others
1	ALMORA	124	205	0	0	0	0
2	BAGESHWAR	44	74	0	0	0	0
3	CHAMOLI	100	137	0	0	0	0
4	CHAMPAWAT	56	73	0	0	0	0
5	DEHRADUN	150	305	0	0	0	0
6	HARIDWAR	103	147	0	0	0	0
7	NAINITAL	105	198	0	0	0	0
8	PAURI	157	265	0	0	0	0
9	PITHORAGARH	110	148	0	0	0	0
10	RUDRAPRAYAG	45	102	0	0	0	0
11	TEHRI	119	205	0	0	0	0
12	U.S. NAGAR	134	184	0	0	0	0
13	UTTARKASHI	61	88	0	0	0	0
TOTAL		1308	2131	0	0	0	0

Source: U-DISE 2014-15

(ii) Access to Secondary Schooling Facilities

Table 3.29 Infrastructure Gap in Secondary School

S. No.	District	Total Sec. School	% of School Without Class Room	% of School Without Toilet	% of School Without Water	% of School Without Electricity	% of School Without Play Ground	% of School Without Library	% of School Without Computer Room	% of School Without Science Lab	% of School Without Art & Craft Room
1	ALMORA	256	22	0	11	12	62	77	47	45	78
2	BAGESHWAR	88	25	0	3	14	80	75	64	61	84
3	CHAMOLI	187	2	1	1	19	33	78	45	38	86
4	CHAMPAWAT	102	26	1	7	14	49	89	68	55	91
5	DEHRADUN	165	7	0	2	17	62	70	53	46	82
6	PAURI	302	5	0	8	9	58	82	53	52	91
7	HARIDWAR	86	9	5	6	22	49	60	52	50	77
8	NAINITAL	187	12	1	1	4	42	72	44	50	75
9	PITHORAGARH	206	28	0	8	20	59	77	50	55	90
10	RUDRAPRAYAG	109	6	0	6	5	52	85	61	50	88
11	TEHRI	279	15	9	18	20	61	71	41	42	78
12	U.S. NAGAR	122	13	1	1	2	44	73	50	44	75
13	UTTARKASHI	122	22	7	18	30	61	81	54	51	92
TOTAL		2211	14	2	8	14	55	76	50	48	83

This table show that out of the total school managed by state government 14% schools are without classroom, 2% are without any toilet, 8% are without Water, 14% are without electricity, 55% are without Play ground, 76% are without library, 50% are without computer room, 48% are without integrated science lab and 83% schools are without activity rooms.

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 Parisad has signed MOU with USAC and the school GIS mapping exercise is going on

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 data shows that 13 secondary level schools serve per lakh population while only 10 government secondary schools served per lakh population. At higher secondary level only 21 schools are available for per lakh population but only 12 government higher secondary school available for per lakh population.

Table 3.30 No. of School per lakh population

SN	Name of the District	Total No. of Schools		Total Population In 2011	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	124	205	621927	20	33	5	3
2	Bageshwar	44	74	259840	17	28	6	4
3	Chamoli	100	137	391114	26	35	4	3
4	Champawat	56	73	259315	22	28	5	4
5	Dehra Dun	150	305	1698560	9	18	11	6
6	Haridwar	103	147	1927029	5	8	19	13
7	Nainital	105	198	955128	11	21	9	5
8	Pauri	157	265	686527	23	39	4	3
9	Pithoragarh	110	148	485993	23	30	4	3
10	Rudraprayag	45	102	236857	19	43	5	2
11	Tehri	119	205	616409	19	33	5	3
12	US Nagar	134	184	1648367	8	11	12	9
13	Uttarkashi	61	88	329686	19	27	5	4
Total		1308	2131	10116752	13	21	8	5
Only Govt. School		965	1252	10116752	10	12	10	8

Source: U-Dise 2014-15

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.

School Mapping Exercise

- The main objective of Rastriya Madhyamik Shiksha Abhiyan scheme is to provide secondary education facility for all within 5 Km distance.
- To observe that how many habitations are served by secondary education facility it was decided that a school mapping exercise will be conducted manually.
- To constitute different committees at district, block and cluster level a detailed guideline send to all the district functionaries. Cluster has been selected as an administrative unit for school mapping exercise. Different formats (1-5) prepared for gathering of information and practice related to school mapping. Training program has been prepared for school mapping exercise at state, district and block levels.
- At all levels of school mapping committees, educationist and representatives of PRIs nominated as members.
- To identified unserved habitations, distance and grade matrix has been prepared on the basis of gathered information in the format no.4 .
- On the basis of school mapping served and unserved habitations has been listed. Particulars of served and unserved habitations are as follows-

Table 3.31 District wise 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	3618	3379	239	93.39
2	Bageshwar	962	850	112	88.36
3	Chamoli	2051	1805	246	88.01
4	Champawat	1246	1062	184	85.23
5	Dehradun	1634	1459	175	89.29
6	Haridwar	823	765	58	92.95
7	Nainital	1983	1682	301	84.82
8	Pauri	3640	3546	94	97.42
9	Pithoragarh	3170	3009	161	94.92
10	Rudraprayag	985	942	43	95.63
11	Tehri	2557	2233	324	87.33
12	U.S. Nagar	1214	1156	58	95.22
13	Uttarkashi	1167	994	173	85.18
Total		25050	22882	2168	91.35

Source: School Mapping 2010-11

This table shows that out of total 25050 habitations 22882 habitations are covered with secondary education facility within radii of 5 km. and rest 2168 habitations are without secondary school facilities within the 5 km radius. Total 09 UPS are proposed for upgradation during plan 2015-16. 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).

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 was 7948 during 2009-10. In terms of classroom availability for the enrolled children for the year 2014-15, there are 28 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 data shown in table 3.32 indicates that there are about 15722 full-time regular teachers in government schools in Uttarakhand for the year 2014-15. The total number of teachers available for secondary classes in the state is 20433.

Table 3.32 Teachers Position In Secondary School, 2014-15

Particulars	Govt.			Others			Total		
	M	F	Total	M	F	Total	M	F	Total
No. of Working Teachers	11616	4001	15617	2734	2082	4816	14350	6083	20433
% of Female Teacher	25.61			43.23			29.77		

Source: U-Dise 2014-15

It can also be seen that 38.77% female teachers are working in government secondary schools. In total 40.53% of female teachers are working in secondary school.

Pupil Teacher Ratio:

According to the U-DISE data, the pupil teacher ratio (PTR) is 11:01 as a whole. The pupil teacher ratio seems to be high i.e. 36:01 in aided school as compared to government and other schools i.e. 15:01 and 06:01.

Table 3.33 PTR

SN	Type of School	Total Enrolment	No. of Working Teacher	PTR
1	Govt. School	205766	15722	13:1
2	Aided School	56130	1752	32:1
3	Other School	136463	2959	46:1
	Total School	398359	20433	19:00

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 1.77 lakhs children appeared in class X board exam in the state during 2012-13 and 1.36 lakhs (76.83%) children were passed out.

Table 3.34 Secondary School Board (Class X) Examination by district wise & by Social Group in Govt. Schools

S. No.	District	CASTE	Number of Students Appeared in the Class X Board Examination			Number of Students Passed in the Class X Board Examination		
1	ALMORA	General	5341	5180	10521	3692	4111	7803
	ALMORA	SC	2042	1874	3916	1087	1311	2398
	ALMORA	ST	24	16	40	21	22	43
	ALMORA	OBC	218	229	447	145	189	334
	Total		7625	7299	14924	4945	5633	10578
2	BAGESHWAR	General	1695	1804	3499	1351	1399	2750
	BAGESHWAR	SC	876	864	1740	612	584	1196
	BAGESHWAR	ST	13	11	24	13	11	24
	BAGESHWAR	OBC	151	136	287	110	110	220
	Total		2735	2815	5550	2086	2104	4190
3	CHAMOLI	General	3412	2966	6378	2467	2582	5049
	CHAMOLI	SC	1220	1034	2254	680	820	1500
	CHAMOLI	ST	71	76	147	60	71	131
	CHAMOLI	OBC	77	95	172	61	86	147
	Total		4780	4171	8951	3268	3559	6827
4	CHAMPAWAT	General	1957	1822	3779	1491	1404	2895
	CHAMPAWAT	SC	579	487	1066	353	311	664
	CHAMPAWAT	ST	11	9	20	8	8	16
	CHAMPAWAT	OBC	207	153	360	138	120	258
	Total		2754	2471	5225	1990	1843	3833
5	DEHRADUN	General	8226	7150	15376	7233	6687	13920
	DEHRADUN	SC	1949	1841	3790	1296	1570	2866
	DEHRADUN	ST	1204	1316	2520	1009	1157	2166
	DEHRADUN	OBC	1810	1800	3610	1062	1399	2461
	Total		13189	12107	25296	10600	10813	21413
6	HARDWAR	General	2142	1678	3820	1698	1415	3113
	HARDWAR	SC	2499	2350	4849	1477	1393	2870
	HARDWAR	ST	52	149	201	26	100	126
	HARDWAR	OBC	3699	2701	6400	2171	1849	4020
	Total		8392	6878	15270	5372	4757	10129
7	NAINITAL	General	6387	5391	11778	4505	4437	8942
	NAINITAL	SC	2168	2034	4202	1211	1530	2741

S. No.	District	CASTE	Number of Students Appeared in the Class X Board Examination			Number of Students Passed in the Class X Board Examination		
	NAINITAL	ST	104	80	184	58	42	100
	NAINITAL	OBC	687	907	1594	435	726	1161
Total			9346	8412	17758	6209	6735	12944
8	GARHWAL	General	5613	5329	10942	4083	4338	8421
	GARHWAL	SC	1601	1563	3164	903	1201	2104
	GARHWAL	ST	31	25	56	17	21	38
	GARHWAL	OBC	190	188	378	134	142	276
Total			7435	7105	14540	5137	5702	10839
9	PITHORAGARH	General	3336	3006	6342	2615	2442	5057
	PITHORAGARH	SC	1648	1477	3125	998	1049	2047
	PITHORAGARH	ST	231	183	414	139	164	303
	PITHORAGARH	OBC	537	522	1059	401	418	819
Total			5752	5188	10940	4153	4073	8226
10	RUDRAPRAYAG	General	2228	2198	4426	1766	1786	3552
	RUDRAPRAYAG	SC	677	574	1251	457	438	895
	RUDRAPRAYAG	ST	3	6	9	3	3	6
	RUDRAPRAYAG	OBC	77	45	122	64	40	104
Total			2985	2823	5808	2290	2267	4557
11	TEHRI	General	4908	5216	10124	3480	3967	7447
	TEHRI	SC	1345	1297	2642	820	840	1660
	TEHRI	ST	13	20	33	5	11	16
	TEHRI	OBC	807	830	1637	480	584	1064
Total			7073	7363	14436	4785	5402	10187
12	U.S. NAGAR	General	5710	4553	10263	4614	3831	8445
	U.S. NAGAR	SC	3101	3205	6306	1802	2134	3936
	U.S. NAGAR	ST	1340	1455	2795	861	1076	1937
	U.S. NAGAR	OBC	5126	4556	9682	3349	3385	6734
Total			15277	13769	29046	10626	10426	21052
13	UTTARKASHI	General	1299	1260	2559	1066	1061	2127
	UTTARKASHI	SC	999	919	1918	617	585	1202
	UTTARKASHI	ST	103	102	205	88	50	138
	UTTARKASHI	OBC	1376	1377	2753	985	1010	1995
Total			3777	3658	7435	2756	2706	5462
	STATE	General	52254	47553	99807	40061	39460	79521
	STATE	SC	20704	19519	40223	12313	13766	26079
	STATE	ST	3200	3448	6648	2308	2736	5044
	STATE	OBC	14962	13539	28501	9535	10058	19593
Total			91120	84059	175179	64217	66020	130237

Source: DISE 2014-15

The U-DISE data shows that 59.47% boys and 70.52% girls passed in SC category, where as in ST category 72.12% boys and 79.35% girls passed, in the OBC category 63.72% boys and 74.25% girls passed in class X exam. This table shows that the girl 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 3.35 indicates the budget expenditure in Uttarakhand. It reflects that the expenditure on total education has increased from Rs. 1703.68 crores in 2008-09 to Rs. 3624.58 in the last budget allocation during 2012-13. The expenditure on secondary school education has increased from Rs. 940.67 crores to Rs. 1851.22 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 3.35 State Budget Expenditure in Uttarakhand

S N	Item	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
1	GSDP	56025.00	7073.00	83969.00	97696.00	113958.00	
2	Total Expenditure	11564.00	14196.95	14715.85	19366.91	18972.82	21931.77
3	Total School Education	1703.68	2366.23	2900.46	3213.23	3624.58	3738.88
4	Elementary Education	763.01	1411.59	1504.01	1618.02	1773.35	1821.23
5	Secondary School	940.67	954.61	1396.45	1595.20	1851.22	1917.65

Note: Figures are in crore

Proposed Construction Areas

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 3.36 Plinth Area for Construction of New Schools

S. No.	Particulars	No. of Units	Room Size (Sq.Mtr.)	Circulation Area (20% + Wall Area 15%)	Total Plinth Area (Sq. Mtr.)
1	Classroom	02/04	49		66.00
2	Laboratory	01	49		66.0
3	Principal Room	01	49		66.00
4	Office and Staff Room	01	49		66.00
5	Computer Lab	01	49		66.00
6	Library	01	80		100.00
7	Art and Craft Room	01	49		66.00
8	Toilet Block	01			0.00

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 will be as per SOR.

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

Given the status of secondary education in Uttarakhand as on 30th 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 3.37 Year wise growth in enrolment in secondary and higher secondary level

Class	Annual Growth Rate in Enrolment and Projected Enrolment																				
	2009-10			2010-11			2011-12			2012-13			2013-14			2014-15			2016-17		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
IX	91061	75632	166693	98149	85968	184117	100780	87834	188614	100738	92991	193729	101877	93137	195014	103481	94109	197590	106265	98508	204705
X	90625	79050	169675	97549	83217	180766	101907	90927	192834	101668	94570	196238	102513	93406	195919	104068	96701	200769	107521	104375	211710
Total	181686	154682	336368	195698	169185	364883	202687	178761	381448	202406	187561	389967	204390	186543	390933	207549	190810	398359	213778	202752	416325
Growth Rate	AAGR 2006-07 & 2009-10			2009-10 to 2010-11			2010-11 to 2011-12			2011-12 to 2012-13			2012-13 to 2013-14			2013-14 to 2014-15			Average Growth Rate		
GR IX	1.26	3.2	2.12	7.78	13.67	10.45	2.68	2.17	2.44	0.0	5.9	2.7	1.1	0.2	0.7	1.6	1.0	1.3	1.3	2.3	1.8
GR X	3.8	7.36	5.45	7.64	5.27	6.54	4.47	9.26	6.68	-0.2	4.0	1.8	0.8	-1.2	-0.2	1.5	3.5	2.5	1.6	3.9	2.7
Total	2.49	5.29	3.77	7.71	9.38	8.48	3.57	5.66	4.54	-0.1	4.9	2.2	1.0	-0.5	0.2	1.5	2.3	1.9	1.5	3.1	2.2
XI	62171	51030	113201	70846	64369	135215	74901	66440	141341	76348	73284	149632	78721	73149	151870	76778	74021	150799	79996	79495	159352
XII	56582	51358	107940	71916	60013	131929	72000	67051	139051	72893	68997	141590	77033	73782	150815	83566	78534	162100	90175	89916	179757
Total	118753	102388	221141	142762	124382	267144	146901	133491	280392	149241	142281	291222	155754	146931	302685	160344	152555	312899	169946	168997	338647
Growth Rate	AAGR 2006 to 2009			2009-10 to 2010-11			2010-11 to 2011-12			2011-12 to 2012-13			2012-13 to 2013-14			2013-14 to 2014-15			Average Growth Rate		
Growth Rate XI	9.6	9.83	9.78	13.95	26.14	19.45	5.72	3.22	4.53	1.93	10.30	5.87	3.11	-0.18	1.50	-2.47	1.19	-0.71	2.1	3.6	2.8
Growth Rate XII	14.3	16.2	15.2	27.1	16.85	22.22	0.12	11.73	5.40	1.24	2.90	1.83	5.68	6.94	6.52	8.48	6.44	7.48	3.9	7.0	5.3
Total	12.4	13.4	12.9	20.22	21.48	20.8	2.90	7.32	4.96	1.59	6.58	3.86	4.36	3.27	3.94	2.95	3.83	3.37	3.0	5.3	4.0

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 in 2009-10, 3.64 lakhs in 2010-11, 3.1 lakhs in year 2011-12, 3.89 lakhs in the year 2012-13 and 3.98 lakh in the year 2014-15. It gives an annual rate of growth for enrolment in secondary classes in the 8.48 percent between 2009-10 and 2010-11, 4.54% between 2010-11 and 2011-12, 2.0% between 2011-12 and 2012-13 & 1.9% between 2013-14 and 2014-15. The average annual growth rate between 2009-10 to 2014-15 is 2.2%. 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 2.21 lakhs in 2009-10, 2.67 lakhs in 2010-11, 2.81 lakhs in 2011-12, 2.91 lakhs in year 2012-13 & 3.12 lakhs in year 2014-15. It gives an annual rate of growth for enrolment in higher secondary classes in the state as 4.96% between 2010-11 and 2011-12 & 3.86% between 2011-12 and 2012-13, 3.37% between 2013-14 and 2014-15. The average annual growth rate between 2009-10 to 2014-15 is 4%. 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.

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 2009-10 is 70.25%, in year 2012-13 is 75.80% and in year 2014-15 is 88.25%. Uttarakhand is achieving the norms as given by national RMSA target by the GER indicator, the enrolment of secondary. 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 3.38 Year wise Enrolment 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	1413068
2	2007-08	237979	221030	214486	199090	166203	171237	158615	146524	1515164
3	2008-09	243016	218859	220915	206287	193639	185173	173694	164578	1606161
4	2009-10	239670	209556	207758	205317	194398	184776	177947	174267	1593689
5	2010-11	251154	218632	210065	204177	200232	191108	183626	178498	1638492
6	2011-12	247838	224192	214085	204672	200698	191859	191351	184223	1658918
7	2012-13	236341	222101	217849	207582	202209	192391	194437	195533	1668443
8	2013-14	239191	224802	223511	218608	211011	194802	194478	198487	1704890
9	2014-15	238412	226234	223059	218832	216310	197381	193397	193894	1707519

Source: DISE and U-Dise 2014-15

In terms of the number of children enrolled in each class/grade at the elementary level in the State which is given in table 3.38 show an increasing trend up to 2010-11 in classes I, II, III, V, VI & VII all over the years. But from the year 2011-12 the enrollment start decreasing slightly. This may be due to the negative growth rate in the population age group.

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.

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 (2014-15) to the enrolment in class VIII in the previous year (2013-14).

The current transition rate between class VIII and class IX is 94.91 percent in Uttarakhand. The rate it is very high. This may be due to the large number of boarding schools located in Uttarakhand. Were large number of students all around of country comes for secondary education.

Transition Rate

Table 3.39 District wise Transition Rate (Year 2014-15)

District	Transition Rate Class VIII to Class IX		
	Boys	Girls	Total
Almora	99.31	97.05	98.15
Bageshwar	94.09	93.10	93.59
Chamoli	95.96	93.48	94.73
Champawat	84.55	84.59	84.57
Dehradun	102.38	102.99	102.66
Haridwar	95.12	94.26	94.71
Nainital	96.72	95.07	95.92
Pauri	91.09	92.29	91.67
Pithoragarh	94.71	91.82	93.31
Rudraprayag	99.17	93.23	96.15
Tehri	94.90	93.63	94.27
US Nagar	90.61	91.25	90.91
Uttarkashi	91.85	91.79	91.82
Uttarakhand	95.26	94.54	94.91

Source: U-DISE 2014-15

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 3.40 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.

Table 3.41 Target GER

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 3.42 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 3.43 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 3.44 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 3.45 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 3.46 Projected Enrolment by School Management at Secondary level

Year	State	LB	Central	Aided	Unaided	Total
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 3.47 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.

S. No.	Particulars	No of units	Unit size in sq. mts.
1	Laboratory (integrated)	1	66
2	Principal room (attached toilet)	1	66
3	Office and staff room	1	66
4	Teaching staff room (attached toilet)	2	66
5	Computer lab	1	66
6	Library	1	100
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.

S. No.	Particulars	No of units	Norms
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.
- k. **Demand for ICT-**ICT play a major role for quality education. Uttarakhand have initiation the use of ICT in education year 2002-03. Government of Uttarakhand had sign MOU with Microsoft Corporation to trained teacher for using the ICT in education. Microsoft Corporation established "Microsoft Academy" at Dehradun.

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.

Chapter - 4 Planning Process

4.1 Planning Process

For Effective Planning of Centrally Sponsored Scheme of Secondary Level, 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.

4.2 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/PRI's/NGO's and other departments in planning process.

4.2.1 School Level

A Core Group including SMDC/SMC and PRIs members, constituted at school level. The composition of school level planning team is as follows-

1. President SMDCs/SMCs and 02 SMDC/SMC members.
2. Elected member of PRIs/Urban local bodies (nominated by Gram Pradhan/chairman urban area).
3. 05 -Teachers of school (01 Science, 01 Language and 01 Social Science, 01 Maths, and 01 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/SMC, 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. Orientation of school level planning did at school level. School Level Planning Team (SLPT) analyse the DCF of UDISE.

All secondary schools prepared child tracking Register for class VIII children of the served Junior High School secondary school principal also accountable for enrolment of all class VIII passed children in class IX. SMDC/SMC find out the ways for conversance with other schemes and funds for improvement of infrastructures.

4.2.2 Block Level Planning Team (BLPT)

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 Kshetra Panchyat member (Nominated by Block Pramukh one from SC/ST/OBC communities).	Member
	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. BLPT is fully responsible for 100% checking of UDISE data. School Mapping exercise done at cluster (Group of 6-10 Secondary Schools) level and consolidated at Block Level. Upgradation of schools or new school proposal prepared at block level after school mapping exercise.

4.2.3 District Level Planning Team

District Plan is basic documentary plan for integrated RMSA schemes, 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.	Chief Education Officer	Chairman
2.	District Project Officer/DEO (M)	Member Secretary
3.	DEO (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 involve in:

1. Checking and verification of UDISE data.
2. School Mapping exercise.
3. Co-ordination with other departments.
4. Preparation of District Secondary Education Plan.
5. Prioritization of needs.
6. Preparation of implementation strategies.
7. Support to school level planning team for preparation of AWP&B and SIP.

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 discussed 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.

4.2.4 State Planning Team

There is a state planning team at state level comprised as follows.

1.	Secretary, School Education General	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 at least 03 female members and 01 SC, 01 ST, 01 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.

4.3 Salient feature of the plan are below

- (i) Integrated Plan for centrally sponsored scheme.
- (ii) Detailed data analysis of UDISE.
- (iii) Bared an micro planning, school mapping and UDISE data.
- (iv) Prepared from school level.
- (v) Reviewed at district and state level.
- (vi) Merits and demerits of previous plans assessed.
- (vii) Census 2011 data considered.
- (viii) Convergence with other organization incorporated.
- (ix) Capability of district and state considered.
- (x) Budgetary provisions are as per prescribed norms.
- (xi) Internal appraisal of plan at district and state level.
- (xii) Participation of all stake holders at different level in plan preparation.
- (xiii) Allocation of state budget taken in to account.
- (xiv) Approval of plan by executive committee of state implementation society.
- (xv) Civil work unit cost as per state schedule of rates, approximate unit cost proposed by the state, actual unit cost will be calculated after preparation of site specific detail estimates.

4.4 Process of Plan Preparation

The following activities have been done for plan preparation:

S. No.	Activity	Duration/ Place	Participants Sources	Major Issues
1	U-DISE Activities	Aug., 2014 to Dec., 2014	School/ Block/District level functionaries.	<ul style="list-style-type: none"> • Orientation of School / Block/ district level functionaries. • Data collection. • Filling of DCF. • Checking of DCF. • Data computerization. • Analysis of data. • Preparation of Planning tables.
2	Orientation of State Planning Team through video conferencing	02 days, Dec., 2014 NIC Uttarakhand	All state level officials	<ul style="list-style-type: none"> • Integration of schemes • Revised norms • Orientation about online planning process • About project base planning
3	Orientation of	SPO	All State Planning	<ul style="list-style-type: none"> • About CSSs norms.

S. No.	Activity	Duration/ Place	Participants Sources	Major Issues
	State Planning Team.	Dec., 2014	Team members and State level Education Officers.	<ul style="list-style-type: none"> Plan preparation exercise. Introduction of all CCs. Implementation of CSS at different level.
4	Introduction and format filling of U-DISE (State level)	01 day, SPO	SPO, SIEMAT representative DPO, Data entry operator	<ul style="list-style-type: none"> Introduction of U-DISE. Filling of U-DISE Format.
5	Introduction and data filling of U-DISE (District level)	01 day, DPO	All BEOs, DPO, DEO, Data Entry operators.	<ul style="list-style-type: none"> Introduction of U-DISE. Filling of U-DISE Format.
6	Introduction and data filling of U-DISE (Block level)	01 day, BPO	All principals of Secondary Schools.	<ul style="list-style-type: none"> Introduction of U-DISE. Filling of U-DISE Format.
7	Preparation of School Improvement Plan	School Level Dec., 2014 to Jan., 2015	SMDC/SMC Members	<ul style="list-style-type: none"> Review of last year progress Need identification according to U-DISE data
8	Orientation of District Planning Team	03 days, SPO 20 Dec., 2014 & 10-11 Feb., 2015	All DPT members	<ul style="list-style-type: none"> Brief about planning/Norms and Budget. Data analysis. Need analysis. Strategies for implementation
9	Analysis of district plan	03 days, 14-18 Feb., 2015	District planning Team.	<ul style="list-style-type: none"> Need analysis Progress review Analysis of district proposals Analysis of budgetary proposals Suggestion for improvement
10	Appraisal of district plan by state appraisal team	19 Feb., 2015 20 Feb., 2015 21 Feb., 2015 23 Feb., 2015 24 Feb., 2015	Pauri, Uttarkashi, Rudraprayag Almora, Bageshwar, Champawat Haridwar, US Nagar Dehradun, Tehri Nainital, Pithoragarh, Chamoli	<ul style="list-style-type: none"> Presentation by DPO on AWP&B 2015-16 Suggestions for improvement in plan by state appraisal team Diagnosis of district specific needs and strategies suggested to resolve the district specific problems.
11	Analysis of Integrated State Plan	27-28 Feb., 2015	State Planning Team	Educational indicators, Planning process, Access, Infrastructure, Vocational Education, ICT, Girls Hostel, IEDSS, Equity Interventions, Quality Interventions, Convergence, Monitoring Issues, Progress Review, Proposed Budget.
12	Meeting of SPT for state Plan	Feb., 2015 SPO	<ul style="list-style-type: none"> SPT member 	<ul style="list-style-type: none"> Discussion on all relative issues Renew of previous year progress. Data analysis U-DISE (district wise)
13	Improvement of	19-20 Feb., 2015	<ul style="list-style-type: none"> DPT members 	<ul style="list-style-type: none"> Include suggestions and

S. No.	Activity	Duration/ Place	Participants Sources	Major Issues
	district plan			correction in district plan.
14	Approval of EC	04 Mar., 2015	<ul style="list-style-type: none"> • EC members. • SPT members. 	<ul style="list-style-type: none"> • Discussion on all requirement and strategies proposed. • Approval of AWP&B
15	Final Appraisal of District/ State Plan	SPO	<ul style="list-style-type: none"> • State Appraisal Team 	<ul style="list-style-type: none"> • Appraisal process.
16	Improvement of State plan		<ul style="list-style-type: none"> • SPT member 	<ul style="list-style-type: none"> • Add major suggestions given by EC and appraisal team
17	submission of plan		<ul style="list-style-type: none"> • SPT member 	<ul style="list-style-type: none"> • Plan submission to GOI.

4.5 Appraisal of DSE

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 UDISE 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.

Appraisal of State Plan- Integrated AWP&B prepared with analysis the district plan at state level. State Plan appraised by state level appraisal team. The team discussed proposals and strategies.

District AWP&B discussed in executive committee meeting held on 10 January, 2014. Executive Committee has suggested many strategies for implementation of plan and directed to follow the time for achieve the proposed goals. Executive Committee also approved the proposed budget and permitted to submit the AWP&B to GOI.

4.6 U-DISE

4.6.1 State Level

Details on the State UDISE management system

At secondary level U-DISE is being implementing with the help of SSA. One Assistant director deputed for U-DISE at state level. At district level district resource person planning looks after U-DISE programme. Training of teachers, BRCs, CRCs done jointly with SSA.

Responsibility and the procedures used for U-DISE

- Filling of data capture format - Principal/Head master of school

- Data Entry at block level - BRC/BEO.
- Checking and Validation of data at district level - BEO/DRP
- Checking and Validation of data at state level - Assistant Director SEMIS.
- Combined data with SSA after validation send to NUEPA by SSA.
- In RMSA no dedicated staff for U-DISE.
- District RMSA personals being oriented by state level every year. District official works oriented to the changed in the DCF every year.

Implementation Schedule for the U-DISE 2014-15

S. No.	Activity	Time	Responsibility	Remark
1	Printing of DCF	01.09.2014	SPO	
2	Training U-DISE	05.09.2014	SPO	DPO & DRP
3	District Level Training	08.09.2014 to	DPO	Principal & BEOs
4	Distribution of DCF	10.09.2014	DPO	
5	Filling of DCF	18.09.2014	Principal of School	
6	DCF collected at Block Level	20.09.2014	BEO	
7	Checking of U-DISE and correction at Block Level	30.09.2014	BEO	Checking of DCF of all schools
8	DCF collected at District Level	03.10.2014	DPO	
9	Checking of DCF at District Level	10.10.2014	DPO	25% Checking of DCF at District Level
10	Checking of DCF at State Level	15.10.2014	SPO	5% Checking of DCF at State Level
11	Data Entry	28.10.2014	DPO	
12	Create DMP File at District Level & send to the SPO	30.10.2014	DPO	
13	Create DMP File at State Level & send to the GOI	05.11.2014	SPO	
14	Reports Generation	10.11.2014	SPO/DPO	
15	Data Sharing of U-DISE at State Level	15.11.2014	SPO	

Review/Monitoring

For effective review/monitoring of the scheme by a team of senior officers deputed for every district. These officers review/monitor the data feeding and correction made in U-DISE.

At state level three workshops were organized. First for filling of the DCF, Second at the time of data entry and the changes in software and finally at the data sharing.

Problems

- The strengthening of U-DISE under RMSA at district is very essential. At present due to constraints of MMER only one personal at State Level is looking after U-DISE and at the district planning, construction and U-DISE is looking after by only one person.
- Due to lakhs of funds no dedicated machines are available for U-DISE. Only one personnel at district level looking after U-DISE, planning and civill work and many other programmes, so it is hard to dedicated full time for U-DISE.

Data discrepancies found

- In U-DISE sin discrepancies found due to the errors done by SMDC. After examining at various level these discrepancies rectified.
- The officials of Education Department oriented time to time by SIEMAT. Every training programme includes one day orientation on U-DISE for filling the DCF, formation of indicator and use of U-DISE data in school planning.

4.6.2 District Level

At district level District Resource Person (DRP) planning looks after U-DISE programme. Training of teachers, BRCs, CRCs done jointly with SSA.

Responsibility and the procedures used for U-DISE

- Filling of data capture format - Principal/Head master of school
- Data Entry at block level - BRC/BEO.
- Checking and Validation of data at district level - BEO/DRP
- After checking/validation of data unified data base sent to state level.
- District RMSA personals being oriented by state level every year. District official works oriented to the changed in the DCF every year.

Implementation Schedule for the U-DISE 2014-15

S.No.	Activity	Time	Responsibility	Remark
1	Printing of DCF	01.09.2014	SPO	
2	Training U-DISE	05.09.2014	SPO	DPO & DRP
3	District Level Training	08.09.2014	DPO	Principal & BEOs
4	Distribution of DCF	to 10.09.2014	DPO	
5	Filling of DCF	18.09.2014	Principal of School	
6	DCF collected at Block Level	20.09.2014	BEO	
7	Checking of U-DISE and correction at Block Level	30.09.2014	BEO	Checking of DCF of all schools
8	DCF collected at District Level	03.10.2014	DPO	
9	Checking of DCF at District Level	10.10.2014	DPO	25% Checking of DCF at District Level
10	Checking of DCF at State Level	15.10.2014	SPO	5% Checking of DCF at State Level
11	Data Entry	28.10.2014	DPO	
12	Create DMP File at District Level & send to the SPO	30.10.2014	DPO	
13	Create DMP File at State Level & send to the GOI	05.11.2014	SPO	
14	Reports Generation	10.11.2014	SPO/DPO	
15	Data Sharing of U-DISE at State Level	15.11.2014	SPO	

4.7 Constraints in Plan Formulation

In above plan formulation process there were many constraints which are following:-

- Integrated AWP&B being introduce 1st time.
- Prejudiced attitude about educational system of stake holders.
- Poor quality of data due to delay finalization of UDISE.

- 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.
- Planning tool prepared by EDCIL actually not generated reports.
- Delay in fund flow from GOI hampers the progress of schemes.

Chapter - 5 Access

5.1 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;
- Up-gradation 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;
- Up-gradation 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.

5.2 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 arise from the UDISE data.
- The state of Uttarakhand has not any proposal for opening new schools. For achieve the goal of universal and affordable accessibility the state has proposed up-gradation of upper primary schools. State has already achieved a Gross Access Ratio of 90.87 and many of un-served 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 un-served then in that condition the provision of Open Schooling System will be there.
- The state norms for up-gradation of upper primary school in secondary school are atleast 5 km radius from secondary school and minimum 20 children will be enrolled in class IX. State govt. should be relaxed these norms in specific geographical and social reasons.
- GIS mapping exercise is going on with help of Uttarakhand space application centre (USAC) and will be completed by in end of this year.
- 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 UDISE 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 up-gradation of secondary and higher secondary schools only after school mapping.
- Presently, these are 19 educationally backward blocks in our state according to 2001 census. 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, SC/ST and minority concentrated districts.
- School mapping exercise completed in all 13 districts and up-gradation of UPS are proposed on the basis of school mapping exercise.
- GIS Mapping is conducted by the Uttarakhand State Application Centre (USAC), Dehradun and completed. Data verification and vetting process is going on. The detail report of GIS Mapping will be expected in the month of April, 2015.

5.3 School Mapping

- School mapping is a geographical and mathematical exercise, on the basis of this exercise we can identify served and un-served habitations according to norms.
- This is a transparent method to open or up gradation of schools according to norms.
- On the basis of this, proposals prepared to open new primary, upper primary, secondary and higher secondary schools.
- For school mapping at first habitations identified. Geographical maps of habitations lying in a clusters boundary have to be prepared, which is an administrative unit for school mapping.
- On the basis of geographical map distance between habitations marked in map.
- Distance matrix prepared on the basis of distance between habitations.

For example

Distance (Km.)	Habitation-1	Habitation-2	Habitation-3
Habitation-1	0	2	1
Habitation-2	2	0	0.8
Habitation-3	1	0.8	0

- After distance matrix 0-1 grade matrix has to be prepared. For example to open a new primary school the norm is of 1 km .so all the distance which is equal or less than 1 km denoted as 0 and more than 1 km are denoted as 1.

For example

0-1 Grade Matrix (1 > = 0, 1 < = 1)

Distance (Km.)	Habitation-1	Habitation-2	Habitation-3
Habitation-1	0	1	0
Habitation-2	1	0	0
Habitation-3	0	0	0

On the basis of grade matrix, new primary school will be opened in hab-3 which will serve to other two habitations.

- So that on the basis of school mapping opening of new school in hab-3 is purely a transparent decision. All three habitations will get school facility within 1 km radius.
- Without school mapping all three habitations will demanding for school, which is not good for planning and budgeting.

Same this process can adopt to open upper primary schools (norm 3 km), secondary schools (norm 5 km) and senior secondary schools (norm 7 km).

Table 5.1 Served and Un-served Habitations on the Basis of School Mapping (Secondary School)

S.No.	District	Total habitations	Served habitations	Un-served habitations	Requisite no. of schools	Habitations to be served
1	ALMORA	3618	3379	239	0	0
2	BAGESHWAR	962	850	112	1	9
3	CHAMOLI	2051	1805	246	1	3
4	CHAMPAWAT	1246	1062	184	0	0
5	DEHRADUN	1634	1459	175	0	0
6	HARIDWAR	823	765	58	5	18
7	NAINITAL	1983	1682	301	0	0
8	PAURI	3640	3546	94	0	0
9	PITHORAGARH	3170	3009	161	0	0
10	RUDRAPRAYAG	985	942	43	0	0
11	TEHRI	2557	2233	324	1	5
12	U.S. NAGAR	1214	1156	58	0	0
13	UTTARKASHI	1167	994	173	1	14
Uttarakhand		25050	22882	2168	9	49

- School mapping exercise has been completed in all the districts in the year 2011-12. This was first attempt so that the accuracy level may not be 100%. In future this exercise will be made more accurate.
- It is proposed to do a survey through DIETs to observe that how many children have passed class 8th are not going in schools.
- On the basis of survey the habitations where out of school children will be find, facility of secondary education will be proposed through open schooling.

5.4 Progress in Access

For the access to Secondary Education the Upper Primary Schools are upgraded as per norms, which are:-

1. Govt. upper primary school which have no secondary school within the periphery of 5km.
2. The no. of expected students in class IX should be 25 in upgraded schools.

In hilly and disadvantage group dominated areas these norms are being relaxed.

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

Table 5.2 No. of Upgraded UPS

S NO.	District	School upgraded in 2009-10	School upgraded in 2010-11	School upgraded in 2011-12	School upgraded in 2013-14	Total	No. of school functioning
1	Almora	04	07	14	03	28	28
2	Bageshwar	02	05	08	02	17	17
3	Champawat	0	05	11	04	20	20
4	Chamoli	02	05	11	03	21	21
5	Dehradun	03	04	08	12	27	27
6	Haridwar	02	07	09	08	26	26
7	Nainital	01	05	07	0	13	13
8	Tehri	03	03	12	04	22	22

S NO.	District	School upgraded in 2009-10	School upgraded in 2010-11	School upgraded in 2011-12	School upgraded in 2013-14	Total	No. of school functioning
9	Pithoragarh	02	06	22	0	30	30
10	Pauri	01	03	10	01	15	15
11	Rudraprayag	01	02	03	01	07	07
12	U.S. Nagar	01	03	19	04	27	27
13	Uttarkashi	01	03	13	01	18	18
Total		23	58	147	43	271	271

Table 5.3 Status of District-wise and Year-wise School Upgraded and Functioning

S. No.	District	2009-10		2010-11		2011-12		2013-14	
		Sanc.	Func.	Sanc.	Func.	Sanc.	Func.	Sanc.	Func.
1	Dehradun	03	03	04	04	08	08	12	0
2	Haridwar	02	02	07	07	09	09	08	0
3	Tehri	03	03	03	03	12	12	04	0
4	Uttarkashi	01	01	03	03	13	13	01	0
5	Pauri	01	01	03	03	10	10	01	0
6	Chamoli	02	02	05	05	11	11	03	0
7	Rudraprayag	01	01	02	02	03	03	01	0
8	Almora	04	04	07	07	14	14	03	0
9	Bageshwar	02	02	05	05	08	08	02	0
10	Champawat	0	0	05	05	11	11	04	0
11	Nainital	01	01	05	05	07	07	0	0
12	Pithoragarh	02	02	06	06	22	22	0	0
13	US Nagar	01	01	03	03	19	19	04	0
Total		23	23	58	58	147	147	43	0

Table 5.4 Physical infrastructure given to all upgraded school

S. No.	Infrastructure	Provided to each school	No. of Infrastructure				Total
			2009-10	2010-11	2011-12	2013-14	
1	Classroom	02/04	137	140	364	49	690
2	Head master	01	23	58	147	43	271
3	Office room	01	23	58	147	43	271
4	Library room	01	23	58	147	43	271
5	Computer room	01	23	58	147	43	271
6	Laboratory	01	23	58	147	43	271
7	Art and Craft room	01	23	58	147	43	271
8	Toilet block	01	23	58	147	43	271
9	Lab equipment	01	23	58	147	43	271

The unit cost sanctioned for a upgraded secondary school by the GOI in the year 2009-10 to 2011-12 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 unit cost for each construction work is as per block level SOR.

State Government has nominated Rural Engineering Service Department & Irrigation Department, Uttarakhand as construction agency. Construction agency prepared site specific design and estimates after physical verification of each and every civil work. Local community provide free of cost land for school building. Planning Department is doing third party evaluation of civil works cost of more than Rs. 1.00 crore & State PWD nominated for third party evaluation of civil works cost of less than Rs. 1.00 crore.

Proposal for Up-gradation

State Government has up-graded 09 upper primary schools in secondary schools in year 2015-16.

Table 5.5 Proposal for Up-gradation of Upper Primary School in 2015-16

S. N.	District	Name of the UPS	UDISE Code	Expected Enrolment in Class IX	Distance from nearest Sec. School	Proposed Cost (Civil Work)	Furniture Cost	Lab Equip. Cost	Total Cost
1 Section School									
1	BAGESHWAR	UPS NEER NAGELA	5080210901	16	08 Km.	127.18	5.35	1.00	133.53
2	CHAMOLI	UPS GOGNA	5020615301	25	07 Km.	123.54	5.35	1.00	129.89
3	HARIDWAR	UPS JASWAWALA	5130102003	59	07 Km.	123.49	5.35	1.00	129.84
4	HARIDWAR	UPS BANJAREWALA	5130200103	42	10 Km.	123.49	5.35	1.00	129.84
5	HARIDWAR	UPS NANHEDA	5130800503	66	09 Km.	123.33	5.35	1.00	129.68
6	TEHRI	UPS PINSWAD	5040111602	42	16 Km.	123.63	5.35	1.00	129.98
7	UTTARKASHI	UPS DEVJANI-2	5010404302	27	06 Km.	166.11	5.35	1.00	172.46
Total (1 Section)						910.77	37.45	7.00	955.22
2 Section School									
1	HARIDWAR	UPS SALIYAR	5130800402	112	12 Km.	149.98	7.35	1.00	158.33
2	HARIDWAR	UPS KHERAJAT	5130706603	203	10 Km.	150.95	7.35	1.00	159.30
Total (2 Section)						300.93	14.70	2.00	317.63
Grand Total						1211.70	52.15	9.00	1272.85

Above proposed 09 Upper Primary School will be covered 49 habitations out of 2168 un-served habitations. 2118 habitations are not eligible for secondary education according to GOI norms. State Government is planned open schooling system and other alternative strategies to provide secondary schooling facility for children live in these habitations.

Staff for New Up-graded School

The State Government has been proposed staff for new up-graded school as follows:

S. N.	District	Name of the UPS	UDISE Code	Expected Enrolment in Class IX	Head Master	Assistant Teacher	Lab Att.	Office Att.	Total
1 Section School									
1	BAGESHWAR	UPS NEER NAGELA	5080210901	16	1	5	1	1	8
2	CHAMOLI	UPS GOGNA	5020615301	25	1	5	1	1	8
3	HARIDWAR	UPS JASWAWALA	5130102003	59	1	5	1	1	8
4	HARIDWAR	UPS BANJAREWALA	5130200103	42	1	5	1	1	8
5	HARIDWAR	UPS NANHEDA	5130800503	66	1	5	1	1	8
6	TEHRI	UPS PINSWAD	5040111602	42	1	5	1	1	8
7	UTTARKASHI	UPS DEVJANI-2	5010404302	27	1	5	1	1	8
Total (1 Section)					7	35	7	7	56
2 Section School									
1	HARIDWAR	UPS SALIYAR	5130800402	112	1	7	1	1	10
2	HARIDWAR	UPS KHERAJAT	5130706603	203	1	7	1	1	10
Total (2 Section)					2	14	2	2	20
Grand Total					9	49	9	9	76

The salary proposed for Head Master @ Rs. 60,000/-, Assistant Teacher @ Rs. 50,000/-, Lab Att. @ Rs. 12,000/- and Office Att. @ Rs. 12,000/- as per actual salary paid to employee by State Government.

Chapter - 6

Equity and Social Inclusion

6.1 Girls Oriented Activity

The following activities will be enhance to girls education and to make retention in the school in girls students.

6.1.1 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 objective 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 minimum of 30 students per school will be benefited by this activity. A 164 no. of schools encompassing minimum 4920 number of girls will be covered for this self defence training. The training will include martial arts like karate, judo, typekando and Yoga. This will also include yoga exercises. The schools are selected on the basis of the availability of 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 45 days. An amount of Rs. 14.76 lakhs would be needed for the honorarium of expert for this activity.

Table 6.1 Proposal of Self Defence 2015-16

S.No.	Name of the district	Physical	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	15	0.09	1.35
2	Bageshwar	6	0.09	0.54
3	Chamoli	18	0.09	1.62
4	Champawat	4	0.09	0.36
5	Dehradun	25	0.09	2.25
6	Haridwar	18	0.09	1.62
7	Nainital	10	0.09	0.90
8	Pauri	15	0.09	1.35
9	Pithoragarh	12	0.09	1.08
10	Rudraprayag	3	0.09	0.27
11	Tehri	18	0.09	1.62
12	U.S. Nagar	14	0.09	1.26
13	Uttarkashi	6	0.09	0.54
Total		164		14.76

Financial Requirement

The total amount **Rs. 14.76 lakh** would be required for this activity.

6.6.2 Girls Hostel

In RMSA under girls hostels scheme in 19 educationally backward blocks residential hostels @ 100 girls per hostel are being constructed. The main aim of the scheme is to provide secondary education easily to girls which could not be apart of school due to socio-economic barriers and long distance of the village or habitation from the schools.

Target Group

The target group of the scheme are girls of age group 14 to 18 years and from SC, ST, OBC, Minority and below poverty line category. 50% girls from SC,ST,OBC and Minority categories should be admitted in the girls hostels and the girls who passed class 8th from Kasturba Gandhi Schools should be admitted in priority basis.

According to the senses of the 2011 in the identified 19 EBB Block the girls hostel are being constructed and among them.... have been completed. The state government also constructing girls hostel in 9 blocks in addition to 19 EBB blocks.

Strategy

In 19 girls hostel one lady teacher will be deployed as a warden on deputation. The salary and the other benefit will be provided to these 19 wardens as per the project under RMSA. In addition to warden in these hostels lady Chowkidar, Cook, Assistant Cook will also be deployed on outsourcing basis.

At present 507 girls are studying in these 19 girls hostels. All the expenditures on different heads are being borne by RMSA. The state government has sanctioned the additional amount of Rs. for fees uniforms and foods with vide GO No.-1154/XXIV-3/02(62)2014 DATED 20 October 2014 and 1243/XXIV-3/14/02(53)2012 dated 20 October 2014. The GOI has sanctioned the amount Rs. 73.75 lakhs for year 2014-15.

6.1.3 Through NGO's

State Project Office, RMSA Uttarakhand has signed MOU between Room to Read and Educate Girls Globally (EGG). These NGO are working in the special focus districts such as Haridwar and U.S. Nagar. They are working in hard core group and they motivated child and guardian to complete the secondary education in there girls child.

These NGO's are working in Uttarakhand from last 02 years by own budget.

Table 6.2 Status of Girls Residing in Girls Hostel

S. No	District	Name of Girls Hostel	Whether accomodation Rented /Own building/ KGBV building	Enrollment details of inmates as on date						
				SC	ST	OBC	OTHERS	Total	Minority	BPL
1	ALMORA	KGVB CHAGETHI	KGBV BUILDING	9	0	0	0	9	0	25
2	DEHRADUN	GIRLS HOSTEL KALSI	OWN	8	10	1	0	19	0	0
3	DEHRADUN	GIRLS HOSTEL TUINY	OWN	3	25	0	0	28	0	1
4	HARIDWAR	BAJUHERI ROORKEE	SSA BUILDING	31	0	0	0	31	0	0
5	HARIDWAR	BADIWALA BHAGWANPUR	SSA BUILDING	1	0	1	2	4	0	0
6	HARIDWAR	GORDHANPUR KHANPUR	SSA BUILDING	20	0	23	7	50	0	4
7	HARIDWAR	RANIMAJRA BAHADARABAD	SSA BUILDING	10	0	1	0	11	0	0
8	HARIDWAR	HARJOLLY JAT NARSAN	SSA BUILDING	12	0	6	1	19	0	0

S. No	District	Name of Girls Hostel	Whether accomodation Rented /Own building/ KGBV building	Enrollment details of inmates as on date						
				SC	ST	OBC	OTHERS	Total	Minority	BPL
9	HARIDWAR	AKBARPUR UD LAKSAR	SSA BUILDING	8	0	9	2	19	0	1
10	TEHRI	GH RAUNSAI	KGBV BUILDING	8	0	0	34	42	0	34
11	TEHRI	GH RAUTU KI BELI	KGBV BUILDING	6	0	25	0	31	0	
12	TEHRI	GH AMPATA	KGBV BUILDING	8	0	0	32	40	0	32
13	TEHRI	GH SUJARGAON	KGBV BUILDING	2	0	0	16	18	0	16
14	TEHRI	GK KAUSHAL	KGBV BUILDING	0	0	0	12	12	0	12
15	U.S. NAGAR	BAZPUR	OWN BUILDING	1	0	0	0	1	0	0
16	UTTARKASHI	CHINYALISAUR	KGBV CHINYALISAUR	19	0	10	13	42	0	0
17	UTTARKASHI	MORI	KGBV KHARSADI	6		28	0	34	0	0
18	UTTARKASHI	NAUGAON	KGBV GANGNANI	19	12	6	0	37	0	0
19	UTTARKASHI	PUROLA	KGBV KANDIYAL GAON	17	0	26	0	43	0	0
Total				188	47	136	119	490	0	125

There are 490 girls residing in 19 Girls Hostels in current year. This is proposed that after construction of own building 100 Girls will be enrolled in each hostel from year 2015-16.

Manpower in Girls Hostel

According to GOI guideline the following posts are sanctioned in Girls Hostel:

S. No.	Name of Post	No. of Post	Honorarium/month (In Rs.)	Nature of Post
1	Warden	19	5000/-	On Deputation
2	Head Cook	19	5150/-	Contractual
3	Assistant Cook	38	4880/-	Contractual
4	Chaukidar	19	5150/-	Contractual

Warden of KGBVs are also looking after the Girls Hostels. 09 Chaukidar, 10 Head Cook & 13 Assistant Cook are in position. The contractual post are filled through Out Sourcing agency. All posts will be filled in 2015-16.

Table 6.3 Class-wise Enrolment in KGBV in year 2015-16

S. No	District	Name of Girls Hostel	Whether accomodation Rented /Own building/ KGBV building	Enrollment details of inmates as on date				
				VIII	IX	X	XI	Total
1	ALMORA	KGVB CHAGETHI	KGBV BUILDING	13	12	5	2	32
2	DEHRADUN	GIRLS HOSTEL KALSI	OWN	17	19	8	0	44
3	DEHRADUN	GIRLS HOSTEL TUINY	OWN	17	13	7	0	37
4	HARIDWAR	BAJUHERI ROORKEE	SSA BUILDING	1	15	16	0	32
5	HARIDWAR	BADIWALA BHAGWANPUR	SSA BUILDING	9	0	0	0	9
6	HARIDWAR	GORDHANPUR KHANPUR	SSA BUILDING	6	42	8	0	56
7	HARIDWAR	RANIMAJRA BAHADARABAD	SSA BUILDING	16	9	10	0	35
8	HARIDWAR	HARJOLLY JAT NARSAN	SSA BUILDING	17	11	12	0	40

S. No	District	Name of Girls Hostel	Whether accommodation Rented /Own building/ KGBV building	Enrollment details of inmates as on date				
				VIII	IX	X	XI	Total
9	HARIDWAR	AKBARPUR UD LAKSAR	SSA BUILDING	7	24	14	0	45
10	TEHRI	GH RAUNSAI	KGBV BUILDING	9	17	12	8	46
11	TEHRI	GH RAUTU KI BELI	KGBV BUILDING	11	12	12	7	42
12	TEHRI	GH AMPATA	KGBV BUILDING	16	13	10	5	44
13	TEHRI	GH SUJARGAON	KGBV BUILDING	19	4	13	0	36
14	TEHRI	GK KAUSHAL	KGBV BUILDING	1	3	0	1	5
15	U.S. NAGAR	BAZPUR	OWN BUILDING	26	1	0	0	27
16	UTTARKASHI	CHINYALISAUR	KGBV CHINYALISAUR	12	4	18	8	42
17	UTTARKASHI	MORI	KGBV KHARSADI	9	21	8	3	41
18	UTTARKASHI	NAUGAON	KGBV GANGNANI	13	13	8	3	37
19	UTTARKASHI	PUROLA	KGBV KANDIYAL GAON	12	6	20	4	42
Total				231	239	181	41	692

6.1.4 Room to Read

Life skills are girls' ability to meet day-to-day challenges and make informed decisions about their lives. Room to Read's life skills education activities are designed for school-going, adolescent girls from economically disadvantaged areas with the goal of keeping them in school and better preparing them to deal with key life decisions. Room to Read through its life skills interventions aims to equip girls with the information around areas that are important to them and skills that they think they would need to resolve the day-to-day issues in a healthy and productive manner.

Room to Read aims to develop five sets of skills, recommended by the World Health Organization, in the *Girls' Education program* participants. The organization believes that these are the most critical skills girls need to develop their personalities during adolescence.

Room to Read are working in three schools- High school Sikanderpur, High school Khubbanpur and High school Chouli of RMSA in Bhagwanpur block of Haridwar with 487 girls. In 2015 220 more girls will be added in to the program.

In each school, Room to Read have appointed social mobilizers for the fifty girls' cohort in each school. Social mobilisers are the first contact person for the girls. Room to Read do conduct several activities in the schools-

1. Conduct life skills sessions with all the girls on weekly basis
2. Conduct parents meeting with all scholars parents on quarterly basis
3. Conduct teachers meeting with all the schools teacher on quarterly basis
4. Resource centres has been established in each schools for the use of all students. These centres consists various study materials, books and other educational materials and run by the children group under the supervision of social mobilisers.
5. Formed the children group and these groups take initiatives to run various activities in the schools

6.1.5 Educate Girls Globally

Educate Girls Globally is working 50 schools in U.S. Nagar. EGG is working in following major component:

1. Community Mobilization-EGG sensitized community to promote girls education specially in minority areas. They collect girls related data from community. Meetings will be conducted at village level to create a sense of ownership within the community and involve them in the process of school development, identification fo drop out girls and enrollment of girls.
2. Skill Development-They organized school level live skill training to build up confidence in girls.
3. EGG has developed a comprehensive health education package of adolescent girls.

6.2 SC/St and Minority Orientation Activity

6.6.1 Promotion of Art and Craft

The activity related to promotion of Art and Craft have been carried out in all the 194 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, woollen 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/SMC. 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. This activity co-related with subject wise project directed by board of education. Many teachers have been trained by CCRT and materials as well as kit also distributed trained teacher by CCRT. So the kit and material will be use as part of art and craft. To enhance the classical music and dance, folk, yog, traditional painting and other art forms of local environment the help of SPIC MACAY the society for the promotion of Indian classical music and culture will be taken as a supported agency in Dehradun, Haridwar and US Nagar in the pilot basis. 02 schools from each district will be piloted.

Table 6.4 Proposal of Promotion of Art & Craft 2014-15

S.No.	Name of the District	Proposal 2015-16	Unit cost	Total Cost
1	Almora	20	0.2	4
2	Bageshwar	6	0.2	1.2
3	Chamoli	15	0.2	3
4	Champawat	10	0.2	2
5	Dehradun	25	0.2	5
6	Haridwar	6	0.2	1.2
7	Nainital	16	0.2	3.2
8	Pauri	30	0.2	6
9	Pithoragarh	24	0.2	4.8
10	Rudraprayag	6	0.2	1.2
11	Tehri	9	0.2	1.8
12	U.S. Nagar	21	0.2	4.2
13	Uttarkashi	6	0.2	1.2
Total		194		38.8

Financial Requirement

The total amount **Rs. 38.8 lakh** would be required for this activity.

6.2.2 Special Coaching (Coaching for SC, ST and minority Students as an Additional Academic Support)

Special Teaching/Coaching will be provided to 4251 students of SC, ST, OBC and Minority students from all districts. Special Coaching has been given in Maths, Science and English by respected subject teacher.

Proposal for Special Teaching for Learning Enhancement

Special Teaching for 4251 students as an additional academic support is proposed for the year 2015-16.

Rationale

The selection of students depends on performance in IX annual exam in English, Maths and Science. This special teaching will be provided to the students of class 9th who have secured less than 40% marks in Math, Science and English subjects in their IXth class. The special coaching will be given those school in which SC, ST, OBC and Minority children's enrollment is greater. First priority will be given to those girls who reside in the girls hostels. 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. 400.00 per teacher as remuneration and stationery with materials of worth Rs. 100.00 will be given to students. 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/SMC members periodically.

Table 6.5 Proposal of Special Teaching for SC,ST, OBC & Minority Children for Class X 2015-16

Name of the districts	No. of schools	Physical (No. of students)	Unit cost (in lakh)	Total Amount (in lakh)
Almora	6	168	0.005	0.84
Bageshwar	12	513	0.005	2.57
Chamoli	16	509	0.005	2.55
Champawat	2	30	0.005	0.15
Dehradun	66	940	0.005	4.70
Haridwar	16	750	0.005	3.75
Nainital	4	120	0.005	0.60
Pauri	6	60	0.005	0.30
Pithoragarh	4	141	0.005	0.71
Rudraprayag	1	20	0.005	0.10
Tehri	4	150	0.005	0.75
U.S. Nagar	15	750	0.005	3.75
Uttarkashi		100	0.005	0.50
Total	120	4251		21.26

Financial Requirement

An amount of **Rs. 21.26 Lakhs** would be required for this activity.

Chapter - 7

Inclusive Education for Children with Special Needs

7.1 Background

The students who have not had easy opportunity to be a part of main stream. The National Policy of Education (NPE) 1986 put some measures for physical and mental handicap with the general community as equal partners, encouraging them for normal growth and development to face life with confidence.

The Scheme of Integrated Education for the Disabled Children (IEDC) has been replaced by the scheme of Inclusive Education for the Disabled at Secondary Stage (IEDSS) with effect from 01.04.2009. The Scheme IEDC has meant to cover all classes in the school education stage. With the Coverage of children with special needs in the elementary stage under sarva Shiksha Abhiyan (SSA), the scheme of IEDC was replaced by IEDSS under which children with disability in the secondary stage (classes IX to XII). The objective of IEDSS is to enable the disabled children who have completed eight years as elementary education to continue their education at the secondary stage in inclusive environment in regular schools.

IEDSS scheme sponsored by central government and the scheme is 100 percent centrally tended.

The Scheme will cover all children of as 14 + paring out of elementary school and studding in secondary stage in government, local and government aided schools, with one or more disabilities as defined under the persons with disabilities Act (1995) and Natural Trust Act (1999).

7.2 Aims and Objectives

The Centrally Sponsored IEDSS Scheme aims to:

- enable all students with disabilities completing eight years of elementary schooling an opportunity to complete four years of secondary schooling (classes IX to XII) in an inclusive and enabling environment
- Provide educational opportunities and facilities to students with disabilities in the general education system at the secondary level (classes IX to XII).
- Support the training of general school teachers to meet the needs of children with disabilities at the secondary level.

The objectives of the scheme will be to ensure that:

- Every child with disability will be identified at the secondary level and his educational need assessed.
- Every student in need of aids and appliances, assistive devices, will be provided the same
- All architectural barriers in schools are removed so that students with disability have access to classrooms, laboratories, libraries and toilets in the school.
- Each student with disability will be supplied learning material as per his/ her requirement
- All general school teachers at the secondary level will be provided basic training to teach students with disabilities within a period of three to five years.
- Students with disabilities will have access to support services like the appointment of special educators, establishment of resource rooms in every block.
- Model schools are set up in every state to develop good replicable practices in inclusive education.

7.3 Target Group

The scheme will cover all children of age 14+ passing out of elementary schools and studying in secondary stage in Government, local body and Government-aided schools, with

one or more disabilities as defined under the Persons with Disabilities Act (1995) and the National Trust Act (1999) in the age group 14+ to 18+ (classes IX to XII), namely

- Blindness
- Low vision
- Leprosy cured
- Hearing impairment
- Locomotors disabilities
- Mental retardation
- Mental Illness
- Autism
- Cerebral Palsy

And may eventually cover (i) Speech impairment and (ii) Learning Disabilities, etc.

Girls with disabilities will receive special focus and efforts would be made under the scheme to help them gain access to secondary schools, as also to information and guidance for developing their potential.

7.4 Type of Scheme

This is a centrally sponsored scheme under which the Central Government will assist the States/Union Territories and autonomous bodies of stature in the field of education in its implementation on the basis of the criteria laid down. Assistance for all the items covered in the scheme will be on 100 per cent basis but assistance for the programme would be subject to policy guidelines issued and initiatives to be taken by the appropriate government for implementing the educational provisions of the P.W.D. Act.

7.5 Components of the Scheme

1. It is proposed to provide for educational facilities under this scheme for all children with disabilities that are included in general schools at the secondary and senior secondary level (classes IX to XII).
2. The Scheme will include assistance for two kinds of components, viz.:-
 - I. Student-oriented components, and
 - II. Other components (e.g. those relating to infrastructure, teacher training, awareness generation, etc.)

For the first group of components, it is proposed to provide assistance to States/Union Territories/Autonomous bodies @ Rs.3000/- per disabled child per annum for specified items, **The State Government will provide a top up of Rs.600/- per child per annum towards scholarship for each child.**

7.6 Institutional Arrangement for Implementation

IEDSS scheme implemented in the state from 2010-11. According to guideline of GOI, Administrative Cell constituted at State level to exercise the work and achieve the goal of scheme. The profile of Administrative Cell as follows:

Table 7.1 Staff Position in Administrative Cell

S.N.	Designation	Pay Scale/ Grade pay	No. of Sanctioned Post
1	Deputy Director	15600-39100 +6600	01
2	Psychologist	Out Sourcing	01
3	Stenographer	Out Sourcing	01
4	LDC	Out Sourcing	01

7.8 Linkages with other departments and NGO

In Uttarakhand many National level institution are working in the field of disabilities. Their help are being taken in different activities of IEDSS scheme. Identification and distribution of disability certificate become possible with the help of Chief Medical Officers of respective districts. The orientation of teachers , 05 days programme conducted at district level with the help of Govt. institutions like National Institute for Visually Handicapped(NIVH), National Institute for Orthopedically Handicapped (NIOH) and NGOs working in the field of disabilities. The experts from these institutions are also the member of State Co-ordination Committee/State Resource Group (SRG).

Table 7.2 Institutes, Schools and NGOs Working in Uttarakhand

S.No.	Name of NGOs	Area of work	Contact
1	Mangaldeep Vidya Mandir, Almora	Special School for intellectually and physically handicapped	Ms. Joshi Tel: 05962 254303 mangaldeep29@rediffmail.com
2	Viklang Mandbudhi Kalyan Samiti, Haldwani	Special School for Intellectually disabled, Awareness camps	Ms. Anamika Sharma Tel: 9359412693 somendrasingh17@yahoo.com
3	Amar Shaheed Smriti Viklang Evam Netraheen Sanstha, Kotdwar	6 months computer training for physically handicapped, Vocational Training and Braille for visually impaired, Mushroom plantation training, Awareness programmes	Mahavir Singh Rawat Tel: 9639790041
4	Happy Family Health Care, Roorkee	Special school, Medical services Vocational Training, Caregivers Training Samarth	Dr. Rajiv Agarwal Tel: 01332 263586 rkroorkee@yahoo.com
5	Sharpe Viklang Samiti, Chamoli	Disabled People's Organization Sensitization Programmes	B S Negi Tel: 01363 271486 sviklang@yahoo.in
6	Raphael Ryder Cheshire International Centre Last Mohini Road Trans Rispana Nadi Dehradun	Day & residential centre for 125 intellectually disabled, Early Intervention Services, outreach programmes, Human Resource Development, SNAC	Ms. Priyo Lall Tel 0135 2674901, ex 25 snacuttarakhand@gmail.com
7	Srajan Spastic Society, Haldwani	Early intervention, Parent Association Rehabilitation and advocacy	Nandan Kandpal Tel: 9411163157 srajanspasticsociety@rediffmail.com
8	UNECESS Research & Development Society, Bageshwar	NIOS Centre, Anganwadi Training	Dr. Sharma Tel: 05963 220547 unecessorg1@yahoo.com
9	Indira Rashtriya Chetna Evam Samajothan Sansthan, Dehradun	Residential Centre for physically handicapped	Mr. Chaudhury, Tel: 0135 2451977
10	Grameen Chhetra Vikas Samiti, Ranichauri Tehri Garhwal	DDRC Sensitization Programmes	Mr. Sushil Bahugana Tel: 01376 252229 radsgramin@yahoo.co.in
11	Latika Roy Fondation 4/3A Vasant Vihar Enclave Dehradun	Special School, Vocational training, Early Intervention Centre, Awareness Department	Ms. Jo Chopra Tel : 0135-2761014 contact@latikaroy.org
12	Abhiprerna Foundation C/62, Shivalik Nagar	Special School for intellectually disabled and autism, Sensitization programmes	Dr. Dipesh Chandra Tel : 9319041049 abhi_foundation@rediffmail.com

S.No.	Name of NGOs	Area of work	Contact
	BHEL, Haridwar		
13	Samarth Seva Samiti Sati Kund Kankhal Haridwar	Special School for intellectually disabled Vocational training, Counselling Programmes	Mr. Vipul Sharma Tel : 8449044590/9411176931 samarth sansthan@yahoo.com
15	Sharp Memorial School for the Blind, Rajpur Road Dehradun	Special School and Residential for Visually Impaired	Mr. Samuel Tel:0135-2734238 sharpmemorial.1887@gmail.com
16	Cheshire Homes 16 Pritam Road Dehradun	Residential for all disabilities	Ms. Mamta Gupta Tel:0135-2672331 mamta.rajat@yahoo.com
17	Bajaj Institute Of Learning 155, Rajpur Road Dehradun	Special School for Hearing Impaired	Air Cmdr A Kapoor Tel :0135-273318 boil@rediffmail.com
18	Anugrah , Herbertpur Dehradun Mr. Robert Tel : 941205038	Early Intervention Centre, Community Based Rehabilitation, Awareness Programmes, Aids and Appliances for Children with Cerebral Palsy	Ms. Vinakshi Tel : 01360-251530/253323 anugrah@eha-health.org
19	Golden Key Asha School 116 Inf Bde, Birpur Dehradun	Special School for Intellectually Disabled	Mrs. Asha Asrani Tel:0135-2551027 naaz0708@yahoo.com
20	Inspiration Centre Kaulagarh, Dehradun	Special School for Boys with Autism	Mrs. Shaswati Singh Tel:0135-3253188 inspiration_india@yahoo.co.in
21	Jyoti School for Handicapped, Rishikesh	Special School for Intellectually Disabled	Ms. Ritu Bahaduri Tel:0135-2432637
22	Arjita Sewa Sansthan Raja Road, Dehradun	Special School for Intellectually Disabled, Children with speech problems, Down Syndrome	Ms. Neetu Narang: Tel: 0135-2725488/9997305724/9927049171
23	National Institute Of Orthopaedically Handicapped Dehradun	Aids and Appliances for Orthopaedically Handicapped	Dr. Dipto Mitro Tel: 0135-2735581 niohrc@gmail.com
24	Gokul Society for Handicapped 1/4, Tegbahadur Road, Lane No. 1 , Near Araghar Chowk Dehradun.	Aids and Appliances, Computer Training and Physiotherapy Centre for Physically Handicapped	Ms. Madhu Maikhuri Tel: 0135 2672642 gokul2002@yahoo.com
25	National Institute for the Visually Handicapped	Education & Vocational Training for people with visual impairment.	Tel: 0135- 2744491
26	Nanhi Duniya	Special school for Deaf & Dumb.	Tel: 0135- 2656072/ 2746579
27	U.S.R. Indu samiti Ramnagar. Nainital	Parents Counsling. Home base training	05947-282009
28	Vijaya Public School. Naogawn Uttarkashi	Education Genral and Children with visual impairment.	

7.3 Recognized training centre by Rehabilitation council of India, New Delhi in Uttarakhand

S.No.	Name of Govt. Institutes/ NGOs	Mobile No.
1	Sharp Memorial School for The Blind, Rajpur, Dehradun	0135-2734238, 9319062723
2	Raphael Home, Dehradun	0135-2673949,9897297027
3	Indira Gandhi Rastriya Chetna Kendra, Raiwala Dehradun	0135-2733009, 9358110664
4	UNECS reasearch & development society Bilona Bageshwar	9412314517
5	DIET Dehradun	0135-2781572, 9412987984
6	DIET Roorkee, Haridwar	9819224578
7	DIET, Bheemtal, Nainital	9411102206

7.4 Members of State State Resource Group (SRG)

S.N.	Name	Address	Designation	E-mail	Mobile No.
1	Ms. Sumana Samuel	Sharp Memorial School for Blind Rajpur Road	Low vision coordinator	Sharpmemorial.1887@gmail.com	9358103543
2	Mrs. Anjali Agarwal	Bajaj institute of Learning 155,Rajpur Road Dehradun	Expert	Anjalie24@gmail.com	9359948955
3	Mr. Dipto Mitra	NIOH Rajpur Road Dehradun	Officer in charge	niohrc @ gmail.com	9456771067
4	Priyo Lall	Raphael, P.O. 157, Mohini Road, Last, Dehradun	Head of special Education	priyo.lall@gmail.com	9897297027
5	Mrs Manju Shighaniya	Latika Roy foundation, 369, Phase -I, Basant Vihar, Dehradun	Director Training	singhanian.manju@gmail.com	9412900546
6	Mamta Gupta	Cheshire Home, 16 Pritam Road, Dalanwala, Dehradun	Superintendent Expert M.R.	mamtarajat@yahoo.com	9897339333
7	Mr Jagdish Lakhera	NIVH Rajpur Road Dehradun	Training and Placement Officer	fax- 0135-2734157 jlakhera43 @gmail.com	9412053356
8	Mr. Kamal veer singh	NIVH Rajpur Road Dehradun	Principal	—	0135-2526053
9	Mr. Surendra kumar Dhalwal	NIVH Rajpur Road Dehradun	Lecturer clinical psychology	dhalwalsk@gmail.com	9412053116
10	Dr. K.S. Chauhan	Paediatrician	CHC Viskas nagar, Dehradun	-	9412324440
11	Amit Sharma	PGT History	NIVH Dehradun	-	9045453985

7.9 State Interventions

State Govt. provided Rs. 600.00 per child per annum to all children with special need having disability certificate of 40% and more than 40%.

Due to non release of funds from GOI for consecutive three years 2011-12, 2012-13 & 2013-14 no other incentives could provided to children.

7.10 Major Issues

7.10.1 For sanctioned activity construction of 95 resource rooms

The GOI has released Rs. 1.39 crore on 28th Marc 2011. This amount has been utilized in the activities sanctioned for year 2010-11&2011-12. 95, resource rooms have been approved for the year 2010-11 and among these 95 resource room 88 resource rooms have been completed by the constructing agencies namely Rural Engineering Service Department and Irrigation Department, Uttarakhand. Till now the amount of Rs. 157.30 lakhs for construction of resource rooms has been released to the construction agencies. The construction work of remaining 07 resource rooms could not be started due to lack of sufficient funds. Since 2010-11, there is steep hike in State Schedule of Rate (SOR), under these circumstances; it's not possible to construct the un-started 07 resource rooms @ Rs. 2.00 lakhs per resource room in 2014-15. So the amount in not being required for these 07 resource rooms. The net amount Rs. 18.7 lakhs is still awaited.

7.10.2 The RMSA Uttarakhand proposed 40 Special Teachers under IEDSS scheme for year 2014-15 for approval before the PAB meeting on 24-04-2014, the proposal was accepted but the 02 special teachers were recruited by district Tehri in 2013-14, which could not be included in the original proposal. These special teachers gave their services from March 2014. The proposal has been sent to GOI on dated 9th December 2014 to get the approval for these additional special teachers. The approval to continue these additional special teachers is still awaited.

Table 7.5 Status of Identification and Enrolment of Disabled Children (Disability Wise)

S. No.	District	No. of Disabled Students enrolled in schools																	
		Blindness			Low Vision			Leprosy Cured			Hearing imparement			Locomoter disabilities			Mental retardation		
		B	G	T	B	G	T	B	G	T	B	G	T	B	G	T	B	G	T
1	ALMORA	0	0	0	15	11	26	0	0	0	3	6	9	32	34	66	0	0	0
2	BAGESHWAR	0	1	1	12	6	18	0	0	0	1	3	4	8	10	18	1	2	3
3	CHAMOLI	2	1	3	15	17	32	0	0	0	7	5	12	11	17	28	4	5	9
4	CHAMPAWAT	2	0	2	14	9	23	0	0	0	0	3	3	28	30	58	3	0	3
5	DEHRADUN	1	1	2	7	36	43	0	0	0	3	5	8	49	42	91	6	2	8
6	HARIDWAR	0	0	0	23	12	35	0	0	0	0	0	0	20	10	30	15	2	17
7	NAINITAL	8	6	14	12	3	15	0	0	0	4	1	5	21	18	39	4	1	5
8	PAURI	0	1	1	44	25	69	0	0	0	10	3	13	56	37	93	6	4	10
9	PITHORAGARH	3	1	4	4	7	11	0	0	0	2	2	4	11	12	23	0	2	2
10	RUDRAPRAYAG	0	0	0	8	11	19	0	0	0	2	4	6	35	19	54	2	3	5
11	TEHRI	0	0	0	11	6	17	0	0	0	10	1	11	31	13	44	2	0	2
12	U.S. NAGAR	1	1	2	16	11	27	0	0	0	10	10	20	112	79	191	4	2	6
13	UTTARKASHI	1	1	2	7	9	16	0	0	0	7	9	16	26	20	46	4	2	6
	Total	18	13	31	188	163	351	0	0	0	59	52	111	440	341	781	51	25	76

S. No.	District	No. of Disabled Students enrolled in schools																				
		Mental Illness			Autism			Cerebral Palsy			Speech Impreaement			Learning Disability			Multiple Disability			Grand Total		
		B	G	T	B	G	T	B	G	T	B	G	T	B	G	T	B	G	T	B	G	T
1	ALMORA	2	3	5	0	0	0	1	0	1	7	2	9	5	1	6	4	3	7	69	60	129
2	BAGESHWAR	0	0	0	1	0	1	0	0	0	3	0	3	1	1	2	0	0	0	27	23	50
3	CHAMOLI	0	0	0	0	1	1	0	0	0	7	4	11	3	1	4	2	3	5	51	54	105
4	CHAMPAWAT	6	7	13	0	0	0	0	0	0	6	6	12	0	3	3	3	2	5	62	60	122
5	DEHRADUN	0	0	0	4	0	4	0	1	1	6	13	19	1	1	2	1	2	3	78	103	181
6	HARIDWAR			0	0	0	0	1	0	1	2	0	2	4	5	9	0	4	4	65	33	98
7	NAINITAL	0	0	0	1	0	1	1	0	1	6	3	9	0	3	3	1	0	1	58	35	93
8	PAURI	0	0	0	0	0	0	1	1	2	3	1	4	2	0	2	6	5	11	128	77	205
9	PITHORAGARH	0	0	0	0	0	0	1	0	1	3	1	4	11	6	17	0	0	0	35	31	66
10	RUDRAPRAYAG	0	0	0	0	0	0	0	0	0	3	4	7	1	1	2	0	0	0	51	42	93
11	TEHRI	0	0	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	56	21	77
12	U.S. NAGAR	0	0	0	0	1	1	0	0	0	5	4	9	0	0	0	2	1	3	150	109	259
13	UTTARKASHI	0	0	0	0	0	0	0	0	0	1	1	2	3	1	4	0	0	0	49	43	92
	Total	8	10	18	6	2	8	5	2	7	54	40	94	31	23	54	19	20	39	879	691	1570

Table 7.6 No. of Disabled Students Social category wise Identified

S. No.	District	No. of Disabled Students enrolled in schools											
		SC			ST			General/Others			Grand Total		
		Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1	ALMORA	11	8	19	0	0	0	58	52	110	69	60	129
2	BAGESHWAR	12	8	20	0	0	0	15	15	30	27	23	50
3	CHAMOLI	25	25	50	6	7	13	21	21	42	52	53	105
4	CHAMPAWAT	13	14	27	0	1	1	48	46	94	61	61	122
5	DEHRADUN	20	25	45	7	11	18	51	67	118	78	103	181
6	HARIDWAR	25	28	53	0	0	0	40	5	45	65	33	98
7	NAINITAL	20	10	30	2	2	4	36	23	59	58	35	93
8	PAURI	19	9	28	0	1	1	109	67	176	128	77	205
9	PITHORAGARH	4	3	7	0	0	0	31	28	59	35	31	66
10	RUDRAPRAYAG	11	7	18	0	0	0	40	35	75	51	42	93
11	TEHRI	7	4	11	0	0	0	49	17	66	56	21	77
12	U.S. NAGAR	45	38	83	11	6	17	94	65	159	150	109	259
13	UTTARKASHI	11	8	19	0	1	1	38	34	72	49	43	92
Total		223	187	410	26	29	55	630	475	1105	879	691	1570

7.11 Provision strategy and implementation

7.12 Students Oriented Components

7.12.1 Identification, Profiling, Assessment and Certification

To identify the children with special need is very important task. There is a need of adequate measures for identification of CWSN. For this purpose some measurements have to be taken up by sensitizing Parents, Panchayat, Community and teachers. With the help of these organs of Community, it will be easier to identify the children with special need in primary stage.

In identification and certification of MR and Speech Impairment children the problem is being faced at district level. So in this regard the help of Mental Retardation Centre "Gubara" established at Doon Hospital Dehradun and Bajaj Institute of learning will be taken out.

After primary identification of children in school level camps to be organised with the help of chief medical officer of respective district to assess the degree of disability. Immediately after identification and certification, child profile will be made and issued at spot to children.

Table 7.7 Budget required for Assessment of Children 2015-16

S.N.	District	Physical	Unit Cost	Total Cost
1	Almora	129	0.002	0.258
2	Bageshwar	50	0.002	0.1
3	Chamoli	105	0.002	0.21
4	Champawat	122	0.002	0.244
5	Dehradun	181	0.002	0.362
6	Haridwar	98	0.002	0.196
7	Nainital	93	0.002	0.186
8	Pauri	205	0.002	0.41
9	Pithoragarh	66	0.002	0.132
10	Rudraprayag	93	0.002	0.186
11	Tehri	77	0.002	0.154
12	US Nagar	259	0.002	0.518
13	Uttarkashi	92	0.002	0.184
Total		1570		3.14

Financial Requirement

An amount of **Rs. 3.14 lakh** would be required for this activity.

7.12.2 Distribution of Assistive Device

The children with special need after identification and certification will be cured in respective field according to the recommendation of doctors. Assistive Device with the help on NIVH, NIOH etc. will be provided as per degree of disability. The assistive device will be provided to children through ADIP scheme. If the children will not get the assistive devices through the ADIP scheme only then they will be catered through IEDSS scheme.

Table 7.8 Required Budget for Distribution of Assistive Device

S.No.	Assistive Devices	Physical	Unit Cost (lakh)	Total Expenditure (lakh)
1.	Spectacles	351	@0.00450	1.58
2.	Crutches	481	@0.010	48.10
3.	Hearing Aid	111	@0.012	1.33
4.	Speech Kit	94	@0.003	0.28
Total				51.29

Financial Requirement

An amount of **Rs. 51.29 lakh** would be required for this activity.

7.12.3 Stipend for Girls

Girl students with disabilities face discrimination. So there is need to upliftment of girls. In this regard they, in addition to availing facilities under all schemes specially targeting girls education, will be given a stipend @ Rs. 200 per month to encourage their participation up to senior secondary level. The bank accounts have been opened as a no frill account and money is being transferred directly to the bank account of the students. Budget required for activity as follows:

Table 7.9 Proposed Budget for Girls Stipend

S.No.	District	Girls	Unit Cost	Total Cost
1	ALMORA	60	@.0240 lakh per child	1.44
2	BAGESHWAR	23	@.0240 lakh per child	0.552
3	CHAMOLI	53	@.0240 lakh per child	1.272
4	CHAMPAWAT	61	@.0240 lakh per child	1.464
5	DEHRADUN	103	@.0240 lakh per child	2.472
6	HARIDWAR	33	@.0240 lakh per child	0.792
7	NAINITAL	35	@.0240 lakh per child	0.84
8	PAURI	77	@.0240 lakh per child	1.848
9	PITHORAGARH	31	@.0240 lakh per child	0.744
10	RUDRAPRAYAG	42	@.0240 lakh per child	1.008
11	TEHRI	21	@.0240 lakh per child	0.504
12	U.S. NAGAR	109	@.0240 lakh per child	2.616
13	UTTARKASHI	43	@.0240 lakh per child	1.032
TOTAL		691		16.584

Financial Requirement

An amount of **Rs 16.584 lakh** would be required for this activity.

7.12.4 Uniform

All the students with disability certificate of 40% and above will be given uniform. Budget required for activity as follows.

Table 7.10 Proposed Budget for Uniform

S.N.	District	Physical	Unit Cost	Total Cost
1	Almora	129	@.00550 lakh per child	0.71
2	Bageshwar	50	@.00550 lakh per child	0.28
3	Chamoli	105	@.00550 lakh per child	0.58
4	Champawat	122	@.00550 lakh per child	0.67
5	Dehradun	181	@.00550 lakh per child	1.00
6	Haridwar	98	@.00550 lakh per child	0.54
7	Nainital	93	@.00550 lakh per child	0.51
8	Pauri	205	@.00550 lakh per child	1.13
9	Pithoragarh	66	@.00550 lakh per child	0.36
10	Rudraprayag	93	@.00550 lakh per child	0.51
11	Tehri	77	@.00550 lakh per child	0.42
12	US Nagar	259	@.00550 lakh per child	1.42
13	Uttarkashi	92	@.00550 lakh per child	0.51
Total		1570		8.64

Financial Requirement

An amount of **Rs 8.64 lakh** would be required for this activity.

7.12.5 Books and Stationery

The Children with special need with disability certificate of 40% and above will be provided books and stationery. Budget required for activity as follows.

Table 7.11 Proposed Budget for Books & Stationery

S.N.	District	Physical	Unit Cost	Total Cost
1	Almora	129	@.00550 lakh per child	0.71
2	Bageshwar	50	@.00550 lakh per child	0.28
3	Chamoli	105	@.00550 lakh per child	0.58
4	Champawat	122	@.00550 lakh per child	0.67
5	Dehradun	181	@.00550 lakh per child	1.00
6	Haridwar	98	@.00550 lakh per child	0.54
7	Nainital	93	@.00550 lakh per child	0.51
8	Pauri	205	@.00550 lakh per child	1.13
9	Pithoragarh	66	@.00550 lakh per child	0.36
10	Rudraprayag	93	@.00550 lakh per child	0.51
11	Tehri	77	@.00550 lakh per child	0.42
12	US Nagar	259	@.00550lakh per child	1.42
13	Uttarkashi	92	@.00550lakh per child	0.51
Total		1570		8.64

Financial Requirement

An amount of **Rs 8.64 lakh** would be required for this activity.

7.12.6 Teacher Component**(A) Appointment of Special Educator**

35 Special Teachers have been appointed in the State. The special teachers are being appointed in such schools which fulfill the 1:5 ratio excluding orthopedic impairment. If required ratio is below the said ratio, then the appointed special teacher will cater the other schools of surroundings also. These special teachers will get the salary @ 18000.00 per months per teacher. 02 special teachers of Tehri Garhwal could not be included in PAB for year 2014-15. The proposal for including these 02 teachers for the year 2014-15 has been sent to

GOI. So for the year 2015-16 the proposal of 37 special teachers is being submitted before the GOI. Budgetary allocation required for the activity.

Table 7.12 Proposed Budget for Special Teachers Salary

S.No	District	Physical	Unit Cost	Total Budget (lakh)
1	Bageshwar	3	@ .18X 12 = 2.16 lakh per Special Educator	6.48
2	Chamoli	2	@ .18X 12 = 2.16 lakh per Special Educator	4.32
3	Champawat	4	@ .18X 12 = 2.16 lakh per Special Educator	8.64
4	Dehradun	6	@ .18X 12 = 2.16 lakh per Special Educator	12.96
5	Haridwar	6	@ .18X 12 = 2.16 lakh per Special Educator	12.96
6	Pauri	7	@ .18X 12 = 2.16 lakh per Special Educator	15.12
7	Pithoragarh	7	@ .18X 12 = 2.16 lakh per Special Educator	15.12
8	Tehri	2	@ .18X 12 = 2.16 lakh per Special Educator	4.32
Total		37		79.92

Financial Requirement

An amount of **Rs 79.92 lakh** would be required for this activity.

(B) Special Pay for Special Educator

In addition of salaries, a sum of Rs. 400.00 per month will be given to special teachers as honorarium under this scheme. Special pay Rs. 400.00 per month for special teachers trained in special education. Budget required as follows.

Table 7.13 Proposed Budget for Special Pay

S.No	District	Physical	Unit Cost	Total Budget (lakh)
1	Bageshwar	3	@ .0040X 12= .048 lakh	0.144
2	Chamoli	2	@ .0040X 12= .048 lakh	0.096
3	Champawat	4	@ .0040X 12= .048 lakh	0.192
4	Dehradun	6	@ .0040X 12= .048 lakh	0.288
5	Haridwar	6	@ .0040X 12= .048 lakh	0.288
6	Pauri	7	@ .0040X 12= .048 lakh	0.336
7	Pithoragarh	7	@ .0040X 12= .048 lakh	0.336
8	Tehri	2	@ .0040X 12= .048 lakh	0.096
Total		37		1.776

Financial Requirement

An amount of **Rs 1.776 lakh** would be required for this activity.

6.12.7 Environment Building Programme

All community, Panchayat, Teacher, Principal, will be sensitized with the help of experts. Initially this activity will be conducted in 95 schools i.e. 01 schools per block. A One day awareness building work shop for parents of CWSN, SMDC, Block and Panchayat level elected members and Special School Teachers will be conducted at school level. Awareness about Education of CWSN through advertisement in print and electronic media. Wall writing, Nukad Natak, Slogan, Pamphlets will be distributed /conducted in all schools. The budget required for activities as follows:

Table 7.14 Proposed Budget for Environment Building

S.N.	District	Physical	Unit Cost	Total Expenditure (lakh)
1	Almora	11	@.01 lakh	1.1
2	Bageshwar	03	@.01 lakh	0.3
3	Chamoli	09	@.01 lakh	0.9
4	Champawat	04	@.01 lakh	0.4

S.N.	District	Physical	Unit Cost	Total Expenditure (lakh)
5	Dehradun	06	@.01 lakh	0.6
6	Haridwar	06	@.01 lakh	0.6
7	Nainital	08	@.01 lakh	0.8
8	Pauri	15	@.01 lakh	1.5
9	Pithoragarh	08	@.01 lakh	0.8
10	Rudraprayag	03	@.01 lakh	0.3
11	Tehri	09	@.01 lakh	0.9
12	US Nagar	07	@.01 lakh	0.7
13	Uttarkashi	06	@.01 lakh	0.6
	Total	95		9.5

Financial Requirement

An amount of **Rs9.5 lakh** would be required for this activity.

7.12.8 Equipment for block level Resource room

88 Resource rooms have been completed. The GOI in 2013-14 has sanctioned Rs. 31.50 lakhs to equip 45 Resource Rooms but has not released any funds for 2013-14. The GOI for year 2014-15 has sanctioned Rs. 26.60 lakh to equip 38 Resource Rooms and has released Rs. 13.30 for year 2014-15. In the meeting of State Resource Group (SRG) on dated 04th February 2015 it was decided that Resource Room would be equipped with Equipments for visually impaired children like Correcting aids , Magnifying Glass, Spectacles, Books with large font, Braille Map, Atlas, Braille Paper, Braille Slate, CD player etc, for hearing impaired children Portable Audiometer , Hearing aid etc, for locomotors Calipers, Wheel Chair, Crutches, Walker etc. will be finalized for Resource Rooms as per the suggestive list developed by SRG. Remaining 50 Resource Rooms will be equipped @ Rs. 0.7 lakhs per resource room. So Rs. 35.00 lakhs required for this purpose. Budget required for activity as follows:

Table 7.15 Proposed Budget for Equipment for Resource Room

S. N.	District	Physical	Unit Cost	Total Expenditure (lakh)
1	Almora	05	@.70 lakh	3.50
2	Bageshwar	01	@.70 lakh	0.70
3	Chamoli	03	@.70 lakh	2.10
4	Champawat	02	@.70 lakh	1.40
5	Dehradun	04	@.70 lakh	2.80
6	Haridwar	04	@.70 lakh	2.80
7	Nainital	05	@.70 lakh	3.50
8	Pauri	08	@.70 lakh	5.60
9	Pithoragarh	05	@.70 lakh	3.50
10	Rudraprayag	0	@.70 lakh	0.00
11	Tehri	04	@.70 lakh	2.80
12	US Nagar	05	@.70 lakh	3.50
13	Uttarkashi	04	@.70 lakh	2.80
	Total	50		35.00

Financial Requirement

An amount of **Rs 35.00 lakh** would be required for this activity.

Chapter - 8 Quality Improvement

8.1 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. All academy activities are discussed in SRG.

State Resource Group (SRG)

The State Resource Group for Academic, Training and Innovations has also been constituted with 57 odd members at present which meets once a year.

8.2 Teacher recruitment and deployment

There is three ways of teacher recruitment at secondary level 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 30% vacancies field through elementary level teachers.
- (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 10% of vacancies filled by this process.
- (iii) **Direct recruitment:** State govt. conducted open recruitment examination for TGT, which are at least B.Ed. graduates these recruited qualified candidates as fresh secondary level teacher. State Govt. has advertised 3089 posts for secondary teachers through Uttarakhand board of Technical education. The written examination is schedule on March 2015. These teachers are in position till August 2015.

Principal/Head master of secondary school are through 100% promotion post from secondary level teacher. Directorate of Secondary Education promote 148 Head Master though this process by Order No.-sewaye-1/949/2(3)pado/2014-15 dated 10 December 2014. State Govt. decided out sourcing recruitment process for post of office assistant, lab attendant and chaukidar in secondary school.

The Total Teacher Position at Secondary level as follows:

Head Master/Principal

Sanctioned	- 2189
Working	- 1411 (65%)
Vacant	- 778 (35%)

Teachers

Sanctioned	- 19692
Working	- 13904 (71%)
Vacant	- 5788 (29%)

Status of sanctioned teachers and recruitment of teachers in upgraded school under RMSA is follows:

Table 8.1 Detail of New/Upgraded Sec Schools under RMSA

Year	New/Upgraded Sec Schools under RMSA							
	Sanctioned for New Schools				Recruitment Progress of Headmasters & Teachers		Vacant	
	No. of New/Upgraded Sec Schools under RMSA	No. of Sanct. Post of HM	No. of Sanc. Subject Teachers	Total	HM	Subject Teachers	HM	Subject Teachers
2009-10	23	23	161	184	17	106	6	55
2010-11	58	58	406	464	45	223	13	183
2011-12	147	147	735	882	93	321	54	414
2012-13	0	0	0	0	0	0	0	0
2013-14	43	43	215	258	6	38	37	177
Total	271	271	1517	1788	161	688	110	829

Salary of recruited teachers is being proposed for 12 month and salary of vacant posts is being proposed for 6 month for year 2015-16. The 288 elementary teachers have been promoted to TGT and among them 36 teachers posted in RMSA upgraded schools. 140 principal have been promoted in secondary schools among these principals 50 principals have posted in RMSA upgraded schools. The recruitment process for appointment of teachers is going on. The salary proposed for Head Master @ Rs. 60,000/-, Assistant Teacher @ Rs. 50,000/-, Lab Att. @ Rs. 12,000/- and Office Att. @ Rs. 12,000/- as per actual salary paid to employee by State Government. The orders are annexed.

8.3 Board Results

The comparative board results of class X is shown below:

Table 8.2 Comparative Board Results

Year	Students	Pass	Pass percentage
2010	177060	116608	65.85
2011	174976	119243	68.14
2012	178338	125584	70.26
2013	176823	126319	71.43
2014	170401	114851	67.40

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

Table 8.3 Achievement of Students based on merit and distinction

Details	Year				
	2010	2011	2012	2013	2014
Distinction	1883	2426	2983	3787	4142
%	1.62	2.09	2.38	3.00	3.61
First Division	16619	19033	22973	24553	23825
%	14.25	15.26	18.29	19.44	20.74
Second Division	67888	68492	72792	70015	62523
%	58.22	57.44	57.97	55.43	54.44
Third Division	30183	29181	26800	27928	24313
%	25.88	24.47	21.34	22.11	21.17

Subject wise Board Results

The subject wise board results for class X in the year 2014 is shown below:

Table 8.4 Subject wise board results for class X in the year 2014

Subjects	Passed Boys	Pass %	Passed Girls	Pass %
Hindi	80972	92.13	76788	93.36
English	50798	64.97	41236	70.15
Math	58901	66.95	13788	90.68
Science	72530	82.54	65406	79.50
Social Science	78306	89.05	73161	88.90

Table 8.5 Subject wise Progress of LLA 2014-15

District Name	Hindi		English		Maths		Science	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post
ALMORA	50.39	76.55	31.64	54.75	25.48	50.11	34.81	62.51
BAGESHWAR	50.05	73.71	27.81	50.75	22.98	50.82	34.34	62.40
CHAMOLI	54.60	77.38	34.45	55.84	28.05	44.29	35.17	61.19
CHAMPAWAT	45.62	70.29	24.75	39.42	21.10	39.68	26.93	51.30
DEHRADUN	43.09	70.12	20.65	40.98	17.76	46.63	25.31	55.81
HARIDWAR	40.48	65.92	22.12	33.22	20.04	35.79	27.64	47.31
NAINITAL	36.59	67.52	27.77	63.10	23.07	60.29	31.07	61.71
PAURI	52.51	71.53	27.26	47.50	24.20	45.94	35.91	53.43
PITHORAGARH	49.42	74.16	28.84	48.39	25.55	52.00	32.31	61.00
RUDRAPRAYAG	41.01	76.64	20.67	48.61	17.12	47.94	31.33	67.66
TEHRI	43.80	66.68	23.38	37.79	17.76	41.90	27.26	52.67
U.S. NAGAR	54.00	67.98	27.11	40.36	24.84	39.18	33.36	50.04
UTTARKASHI	44.43	69.23	20.90	41.10	15.80	40.39	23.47	49.60
State	47.00	70.79	25.93	45.61	22.07	46.06	31.36	56.06

On the analysis of board result and learning level assessment the following observation found

- The board result in Science, Maths and English is comparatively low.
- State has initiated learning level assessment of all the students of class IX in Hindi, English, Maths and Science which is based on subject wise competencies of VIII class. After assessment one months remediation is given to all children. The post assessment result shown that the achievement in English is 45.61%, Maths 46.06% and Science 56.06%.

On the above analysis the teacher training imparted in these subject and other quality intervention are proposed are follows:-

8.4 Proposal of MT and KRP

State SCERT is responsible for all quality activities. So the KRP, MT training, development of training package and teacher training imparted in supervision of SCERT. Leadership training of principal will be conducted with the help of NEUPA through state SIEMAT.

The Selection of Key Resource Person and Master Trainer

The KRP and MT will be selected on the following basis:

1. Outstanding performance in the previous training programme by the participant.
2. The teacher who have been trained through RIE Ajmer.
3. Innovative teacher identified by Education Officers during the monitoring of training.
4. Rewarded teachers in the field of innovation.

Table 8.6 Proposal of Master Resource Person and KRP 2015-16

S. No.	Name of the District	Proposal of Master Resource Persons			Proposal of KRP		
		Proposal of Master Resource Persons	Unit Cost in lakhs	Total Cost (in lakhs)	Proposal of KRP	Unit Cost in lakhs	Total Cost (in lakhs)
1	Almora	34	0.015	0.51	6	0.015	0.09
2	Bageshwar	12	0.015	0.18	6	0.015	0.09
3	Chamoli	28	0.015	0.42	6	0.015	0.09
4	Champawat	12	0.015	0.18	6	0.015	0.09
5	Dehradun	36	0.015	0.54	6	0.015	0.09
6	Haridwar	12	0.015	0.18	6	0.015	0.09
7	Nainital	45	0.015	0.68	6	0.015	0.09
8	Pauri	42	0.015	0.63	5	0.015	0.08
9	Pithoragarh	38	0.015	0.57	6	0.015	0.09
10	Rudraprayag	18	0.015	0.27	6	0.015	0.09
11	Tehri	44	0.015	0.66	4	0.015	0.06
12	U.S. Nagar	18	0.015	0.27	3	0.015	0.05
13	Uttarkashi	36	0.015	0.54	6	0.015	0.09
Total		375		5.63	72		1.08

Financial Requirement

An amount of **Rs. 5.63 lakh** will be required for the Master Trainer Training and **Rs. 1.08 lakh** for KRP Training.

8.5 Analysis of Teacher Training Need

State SCERT will be conducted training need assessment workshop which is conducted through following process:

1. SCERT has circulated a format to school to collect training need.
2. Feedback given by trainees in previous teacher training.
3. Suggestions given by Educational Officers during the school monitoring.
4. Analysis of board and LLA result.

The teacher training is proposed in 2015-16 under the guideline of MHRD. The 10 days In Service Teacher Training proposed as follows :

1. 05 days subject teacher training which is imparted through ICT based.
2. 03 days training on use of ICT in class room.
3. 03 days training on guidance and counseling, IEDSS, Gender/Adolescent, Community Participation etc.

All 10 days training imparted in those training venues where ICT equipped lab are furnished.

Table 8.7 Proposal for Teacher Training 2015-16

S. No.	District	English			Maths			Science			Total Teacher Govt. & Aided	Unit cost (In lakhs)	Total Cost (In lakhs)
		Govt.	Aided	Total	Govt.	Aided	Total	Govt.	Aided	Total			
1	Almora	226	6	232	230	23	253	138	12	150	635	0.03	19.05
2	Bageshwar	81	7	88	85	7	92	49	8	57	237	0.03	7.11
3	Chamoli	162	18	180	210	12	222	96	7	103	505	0.03	15.15
4	Champawat	70	5	75	76	8	84	55	6	61	220	0.03	6.6
5	Dehradun	141	38	179	173	44	217	138	41	179	575	0.03	17.25
6	Haridwar	64	30	94	85	15	100	68	30	98	292	0.03	8.76
7	Nainital	319	15	334	357	16	373	265	18	283	990	0.03	29.7
8	Pauri	277	39	316	406	64	470	416	68	484	1270	0.03	38.1
9	Pithoragarh	171	8	179	107	11	118	168	10	178	475	0.03	14.25
10	Rudraprayag	106	8	114	137	12	149	63	9	72	335	0.03	10.05
11	Tehri	149	0	149	337	7	344	178	5	183	676	0.03	20.28
12	U.S. Nagar	110	20	130	133	27	160	82	25	107	397	0.03	11.91
13	Uttarkashi	91	0	91	139	0	139	87	0	87	317	0.03	9.51
Total		1967	194	2161	2475	246	2721	1803	239	2042	6924		207.72

Source: U-Dise 2014-15

Financial Requirement

An amount of **Rs. 205.62 lakh** will be required for the In Service Teacher Training.

Table 8.8 Proposed In Service Teacher Training Schedule 2015-16

S.No.	Name of Programme	Months	Duration	No. of Participation
1	Identification and Analysis of Training Need	April Second Week	05 Days	50 KRP's
2	Development of In Service Teacher Training package	April Third Week	05 Days	50 KRP's
3	Correction of Training Package	April Fourth Week	05 Days	SCERT Faculties
4	Printing of Training Package	Second Week of May		-
5	Training of Master Trainer for In Service Teacher Training	May Third and Fourth Week	05 Days	325
6	District Level Training	July Second Week to September First Week	10 Days per batch	6925

8.6 New Teacher Training

New teachers training will be provided to those teachers who have got promotion/New recruitment at secondary level. Presently 288 elementary teachers are promoted at secondary level and 3089 teachers will be recruited through open examination in May/June 2015. So in the first phase 1000 new teachers training is proposed in 2015-16 for 10 days under the guideline of MHRD. SCERT will be conducted new teacher training through training need assessment, module development and KRP's/MT's.

Table 8.9 Proposed New Teacher Training Schedule 2015-16

S.No.	Name of Programme	Months	Duration	No. of Participation
1	Training Need Analysis	July Second Week	05 Days	22
2	Development of Training Package	July Thrid Week	05 Days	22
3	Correction of Training Package	July Fourth Week	05 Days	SCERT Factually
4	Printing of Training Package	Second Week of August	-	-
5	Training of Master Trainer for In Service Teacher Training	August Third and Fourth Week	05 Days	50
6	District Level Training	September Second Week to Fourth Week	10 Days per batch	1000

Table 8.10 Proposal of New Teacher Training 2015-16

S.No.	Name of the District	Proposal 2015-16	Unit Cost	Total Cost
1	Almora	100	0.03	3.00
2	Bageshwar	100	0.03	3.00
3	Chamoli	100	0.03	3.00
4	Champawat	40	0.03	1.20
5	Dehradun	100	0.03	3.00
6	Haridwar	0	0.03	0.00
7	Nainital	80	0.03	2.40
8	Pauri	100	0.03	3.00
9	Pithoragarh	100	0.03	3.00
10	Rudraprayag	50	0.03	1.50
11	Tehri	100	0.03	3.00
12	U.S. Nagar	30	0.03	0.90
13	Uttarkashi	100	0.03	3.00
Total		1000		30.00

Financial Requirement

An amount of **Rs. 30.00 lakh** would be required for this activity

8.7 School Leadership Training of Principal

State has developed 50 SRG with the help of NUEPA through SIEMAT Uttarakhand. 10 days SRG training conducted in 2014-15. The principal leadership training imparted in 02 DIET and 45 principal have been trained by SRG's. The following 02 activities are proposed for leadership training:

- 1. The Orientation of SRG-State has developed 50 SRG of different districts. The SRG will be imparted leadership training of selected principals. So a 02 days orientation training/workshop proposed for 50 SRG's.***

Table 8.11 Proposal of Training of SRG Members of School Leadership Training Programme 2015-16

S.No.	District	Proposal 2015-16	Unit Cost	Total Cost
1	Almora	4	0.01	0.04
2	Bageshwar	3	0.01	0.03
3	Chamoli	3	0.01	0.03
4	Champawat	3	0.01	0.03
5	Dehradun	9	0.01	0.09
6	Haridwar	3	0.01	0.03
7	Nainital	3	0.01	0.03
8	Pauri	4	0.01	0.04
9	Pithoragarh	3	0.01	0.03
10	Rudraprayag	3	0.01	0.03
11	Tehri	4	0.01	0.04
12	U.S. Nagar	3	0.01	0.03
13	Uttarkashi	5	0.01	0.05
Total		50		0.50

Financial Requirement

An amount of **Rs. 0.50 lakh** would be required for this activity

- 2. Selected principal will be trained by SRG in respected DIET's.***

Selection Criteria of Principal

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. Thus their services could be taken for a longer period of time.

Table 8.12 Proposal of Educational Leadership and Management Training of Principal

S.No.	District	Proposal 2015-16	Unit Cost	Total Cost
1	Almora	15	0.048	0.72
2	Bageshwar	10	0.048	0.48
3	Chamoli	30	0.048	1.44
4	Champawat	5	0.048	0.24
5	Dehradun	15	0.048	0.72
6	Haridwar	12	0.048	0.58
7	Nainital	30	0.048	1.44
8	Pauri	15	0.048	0.72
9	Pithoragarh	20	0.048	0.96
10	Rudraprayag	15	0.048	0.72
11	Tehri	30	0.048	1.44
12	U.S. Nagar	20	0.048	0.96
13	Uttarkashi	8	0.048	0.38
Total		225		10.80

Financial Requirement

An amount of **Rs. 10.80 lakh** would be required for this activity.

Constraint

State has conducted SRG training and principal training in 02 DIETS. The unit cost of training is Rs. 300.00 per day per participant approved by MHRD. Training conducted with the help of NUEPA faculty through state SIEMAT. Training package and other resource material have provided by NUEPA. The separate cost of training package and material not approved by MHRD which is manage in training unit cost. So the training is imparted in approved unit cost is impossible. SRG and principal training imparted at state and district level TA/DA and other expenditure will be more than approved unit cost. Thus the extra additional unit cost Rs. 200.00 per participant per day required for leadership training programme.

8.8 Induction Training for Instructor in Vocational Education

GOI has sanctioned vocational courses in 44 schools for year 2014-15 and 37 government schools have proposed for vocational courses in 2015-16. The induction training is being proposed for all 81 vocational instructors.

Table 8.13 Proposal of Instructor in Vocational Education 2015-16

S. No.	District	No. of School	No. of Instructors	Unit Cost per School (In Lakh)	Total Cost (In Lakh)
1	Almora	3	6	0.22	0.66
2	Bageshwar	3	6	0.22	0.66
3	Chamoli	4	8	0.22	0.88
4	Champawat	2	4	0.22	0.44
5	Dehradun	12	24	0.22	2.64
6	Haridwar	8	16	0.22	1.76
7	Nainital	10	20	0.22	2.20
8	Pauri	6	12	0.22	1.32
9	Pithoragarh	6	12	0.22	1.32
10	Rudraprayag	3	6	0.22	0.66
11	Tehri	5	10	0.22	1.10
12	U.S. Nagar	17	34	0.22	3.74
13	Uttarkashi	2	4	0.22	0.44
Total		81	162		17.82

Financial Requirement

An amount of **Rs. 17.82 lakh** would be required for pre and post tools of all students.

8.9 School Grant

The school grant will be utilized by SMDC/SMC as per the norms of FM&Q. For the promotion of science it is necessary that science activity will be a part of time table at school level.

Table 8.14 Proposal of School Grant 2015-16

S. No.	District	School Grant		
		Govt. School	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	256	0.5	128.00
2	Bageshwar	87	0.5	43.50
3	Chamoli	188	0.5	94.00
4	Champawat	99	0.5	49.50
5	Dehradun	164	0.5	82.00
6	Haridwar	89	0.5	44.50
7	Nainital	185	0.5	92.50
8	Pauri	302	0.5	151.00

S. No.	District	School Grant		
		Govt. School	Unit cost (in lakhs)	Total cost (in lakhs)
9	Pithoragarh	191	0.5	95.50
10	Rudraprayag	107	0.5	53.50
11	Tehri	276	0.5	138.00
12	U.S. Nagar	120	0.5	60.00
13	Uttarkashi	123	0.5	61.50
Total		2187		1093.50

Financial Requirement

An amount of **Rs. 1093.50 lakh** would be required for pre and post tools of all students.

8.10 Minor Repair

Table 8.15 Proposal of Minor Repair 2015-16

S.No.	District	No. of Schools	Unit Cost	Total Cost
1	Almora	214	0.25	53.50
2	Bageshwar	69	0.25	17.25
3	Chamoli	164	0.25	41.00
4	Champawat	80	0.25	20.00
5	Dehradun	140	0.25	35.00
6	Haridwar	47	0.25	11.75
7	Nainital	170	0.25	42.50
8	Pauri	240	0.25	60.00
9	Pithoragarh	161	0.25	40.25
10	Rudraprayag	100	0.25	25.00
11	Tehri	237	0.25	59.25
12	U.S. Nagar	90	0.25	22.50
13	Uttarkashi	103	0.25	25.75
Total		1815		453.75

Financial Requirement

An amount of **Rs. 453.75 lakh** would be required for pre and post tools of all students.

8.11 Identification of Learning Gaps and Enhancement of Learning Level at secondary stage (ILG&ELL)

All the students of class IX studying in Government and Government aided schools were covered under the programme. The Pre test conducted in the month of April 2014 and post test conducted in the month of July 2014.

Table 8.16 Result of Pre & Post Assessment (2014-15)

S. No.	District	Hindi				English			
		Pre Assessment		Post Assessment		Pre Assessment		Post Assessment	
		Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A
1	Almora	49.61	50.39	23.45	76.55	68.36	31.64	45.25	54.75
2	Bageshwar	49.95	50.05	26.29	73.71	72.19	27.81	49.25	50.75
3	Chamoli	45.40	54.60	22.62	77.38	65.55	34.45	44.16	55.84
4	Champawat	54.38	45.62	29.71	70.29	75.25	24.75	60.58	39.42
5	Dehradun	56.91	43.09	29.88	70.12	79.35	20.65	59.02	40.98
6	Haridwar	59.52	40.48	34.08	65.92	77.88	22.12	66.78	33.22
7	Nainital	63.41	36.59	32.48	67.52	72.23	27.77	36.90	63.10
8	Pauri	47.49	52.51	28.47	71.53	72.74	27.26	52.50	47.50
9	Pithoragarh	50.58	49.42	25.84	74.16	71.16	28.84	51.61	48.39
10	Dehradun	58.99	41.01	23.36	76.64	79.33	20.67	51.39	48.61

S. No.	District	Hindi				English			
		Pre Assessment		Post Assessment		Pre Assessment		Post Assessment	
		Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A
11	Tehri	56.20	43.80	33.32	66.68	76.62	23.38	62.21	37.79
12	US Nagar	46.00	54.00	32.02	67.98	72.89	27.11	59.64	40.36
13	Uttarkashi	55.57	44.43	30.77	69.23	79.10	20.90	58.90	41.10
	State	53.00	47.00	29.21	70.79	74.07	25.93	54.39	45.61

S. No.	District	Mathematics				Science			
		Pre Assessment		Post Assessment		Pre Assessment		Post Assessment	
		Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A	Total % of NA+PA	% of A
1	Almora	74.52	25.48	49.89	50.11	65.19	34.81	37.49	62.51
2	Bageshwar	77.02	22.98	49.18	50.82	65.66	34.34	37.60	62.40
3	Chamoli	71.95	28.05	55.71	44.29	64.83	35.17	38.81	61.19
4	Champawat	78.90	21.10	60.32	39.68	73.07	26.93	48.70	51.30
5	Dehradun	82.24	17.76	53.37	46.63	74.69	25.31	44.19	55.81
6	Haridwar	79.96	20.04	64.21	35.79	72.36	27.64	52.69	47.31
7	Nainital	76.93	23.07	39.71	60.29	68.93	31.07	38.29	61.71
8	Pauri	75.80	24.20	54.06	45.94	64.09	35.91	46.57	53.43
9	Pithoragarh	74.45	25.55	48.00	52.00	67.69	32.31	39.00	61.00
10	Dehradun	82.88	17.12	52.06	47.94	68.67	31.33	32.34	67.66
11	Tehri	82.24	17.76	58.10	41.90	72.74	27.26	47.33	52.67
12	US Nagar	75.16	24.84	60.82	39.18	66.64	33.36	49.96	50.04
13	Uttarkashi	84.20	15.80	59.61	40.39	76.53	23.47	50.40	49.60
	State	77.93	22.07	53.94	46.06	68.64	31.36	43.94	56.06

Above results shows that LLA programme is playing greater role in improvement of basic competencies at entry level of secondary education. Thus the proposal for all students in class IX of government and government aided for the year 2015-16.

Table 8.17 Proposal of Assessment Tools 2015-16

S.No.	Name of the Districts	No. of schools		Physical (No. of Students)	Unit Cost (in lakh)	Total Amount (in lakh)
		Govt. Schools	Aided School			
1	Almora	10945	1587	12532	0.0007	8.77
2	Bageshwar	4056	1046	5102	0.0007	3.57
3	Chamoli	7113	467	7580	0.0007	5.31
4	Champawat	4295	328	4623	0.0007	3.24
5	Dehradun	8414	4494	12908	0.0007	9.04
6	Haridwar	7112	8224	15336	0.0007	10.74
7	Nainital	8666	1747	10413	0.0007	7.29
8	Pauri	7999	1788	9787	0.0007	6.85
9	Pithoragarh	6376	265	6641	0.0007	4.65
10	Rudraprayag	3730	458	4188	0.0007	2.93
11	Tehri	9411	947	10358	0.0007	7.25
12	U.S. Nagar	13109	4888	17997	0.0007	12.60
13	Uttarkashi	4598	0	4598	0.0007	3.22
	Total	88711	25772	122063		85.44

Financial Requirement

An amount of **Rs. 85.44 lakh** would be required for pre and post tools of all students.

8.12 UNNATI

The Govt. of India has sanctioned an innovative programme "UNNATI" focused on developing competencies of spoken English and Soft Skill for 76034 students of class IX and X studying in 750 Govt. Secondary and Senior Secondary Schools in 2014-15 as on pilot basis. The State Govt. has launched the programme with the help of expert agency IL&FS Education that is selected through national bid and it is providing study material, multimedia C.D. and facilitators for the programme. The agency has selected facilitators after the scrutiny and deputed them at school level. Pre assessment of students has been conducted by the working agency. The programme is being conducted before and after school hours. The 5th JRM has appreciated the UNNATI programme during their visit from 28th February to 31st January 2015 in the State. **So the UNNATI programme is being proposed for the students of class IX and X studying in 947 Govt. Secondary and Senior Secondary Schools.**

Aims and Objectives

1. Eliminate hesitation in speaking English through step by step learning of functioned English.
2. Teach the basic, intermediate and advanced professional skills essential for getting a job, communication, presentation, ethics etiquettes, awareness etc.

Target Group

Students of class 9th and 10th studying in Secondary and Senior Secondary schools.

Activity Carried Out in 2014-15

1. Pre assessment will be conducted before start the A1 course
2. 90 hours or 90 days course will be conducted in selected schools.
3. After completion of course post assessment will be conducted.

Strategy

The working agency IL&FS Education will provide study material, multimedia C.D. and facilitators for year 2015-16 as per the norms of MOU signed between "Sabhi ke liye Madhyamik Shiksha Parishad Uttarakhand" and IL&FS Education.

1. The facilitator will be graduate and fluent in English speaking.
2. Agency will conduct base line survey in selected schools.
3. Agency will complete 90 hours A1 level spoken English Course in 1000 schools for new students of class IX and A2 level course for class X students who have already completed A1 level course during 2014-15 according Common European Framework of Reference (CEFR).
4. Agency will also ensures that the capacity of school teachers and principals get substantially enhanced during the process.

Duration and level of module

The programme will be implemented in following frame work:

S. No.	Levels of module	Duration	Intervention
1.	A1	90 hours (1-2 hour every day for a period of 3 months)	For Individuals who do not know the English Language at all. The course aims at introducing them to English words and vocabulary. The content revolves around basic things, animals and people around.
2.	A2	90 hours (1 -2 hour everyday hours for 3 months)	The course introduces the learner to basic sentence formation, asking relevant questions and giving appropriate answers during the course of a conversation

In the first year the students from class IX & X of 750 Govt. schools were trained on A1 level, which consisted of 90 hours of implementation. The programme will be run from September 2015 to November 2015 for year 2015-16.

Table 8.18 Budgetary Allocation

S.No.	Activity	Physical	Unit cost (In Lakh)	Total Cost (In Lakh)
1	Facilitator	947	0.18	511.38
2	Study Material	92592	0.002	185.18
3	Monitoring and Evaluation and Assessment	947	0.002	1.89
Total				698.45

Table 8.19 Proposal of Honorarium of Instructor 2015-16

S.N.	District	No. of Schools	Unit Cost (in lakh)	Total Cost (in lakh)
1	Almora	114	0.18	61.56
2	Bageshwar	57	0.18	30.78
3	Chamoli	100	0.18	54
4	Champawat	38	0.18	20.52
5	Dehradun	75	0.18	40.5
6	Haridwar	40	0.18	21.6
7	Nainital	75	0.18	40.5
8	Pauri	112	0.18	60.48
9	Pithoragarh	96	0.18	51.84
10	Rudraprayag	41	0.18	22.14
11	Tehri	100	0.18	54.00
12	US Nagar	59	0.18	31.86
13	Uttarkashi	40	0.18	21.6
Total		947		511.38

Table 8.20 Proposal of Learning Materials 2015-16

S.N.	District	No. of Schools	Physical (No. of Children)	Unit Cost (in lakh)	Total Cost (in lakh)
1	Almora	114	9635	0.002	19.27
2	Bageshwar	57	4201	0.002	8.40
3	Chamoli	100	10162	0.002	20.32
4	Champawat	38	3145	0.002	6.29
5	Dehradun	75	6858	0.002	13.72
6	Haridwar	40	4443	0.002	8.89
7	Nainital	75	9342	0.002	18.68
8	Pauri	112	9786	0.002	19.57
9	Pithoragarh	96	5524	0.002	11.05
10	Rudraprayag	41	4609	0.002	9.22
11	Tehri	100	9232	0.002	18.46
12	US Nagar	59	7258	0.002	14.52
13	Uttarkashi	40	5111	0.002	10.22
Total		947	89306	0.002	178.61

Table 8.21 Proposal of Monitoring Evaluation & Assessment 2015-16

S.N.	District	No. of Schools	Unit Cost (in lakh)	Total Cost (in lakh)
1	Almora	114	0.002	0.23
2	Bageshwar	57	0.002	0.11
3	Chamoli	100	0.002	0.20
4	Champawat	38	0.002	0.08
5	Dehradun	75	0.002	0.15
6	Haridwar	40	0.002	0.08

S.N.	District	No. of Schools	Unit Cost (in lakh)	Total Cost (in lakh)
7	Nainital	75	0.002	0.15
8	Pauri	112	0.002	0.22
9	Pithoragarh	96	0.002	0.19
10	Rudraprayag	41	0.002	0.08
11	Tehri	100	0.002	0.20
12	US Nagar	59	0.002	0.12
13	Uttarkashi	40	0.002	0.08
Total		947	0.002	1.89

8.13 Promotion of Science

Promotion of science the following activity will be conducted:

8.13.1 Use of School Grant

It is necessary to organize science related activities at school level continuously for the promotion of science. For this purpose every school has been done science related activities such as science seminar, drama, exhibition, etc. which are mentioned in the list of NCERT. A Rs. 5000.00 of school grant is being used in school level. This activity is a part of school time table. 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.

8.13.2 Science Exhibition

The subject wise material will be purchased to provide learning in scientific way to the students. All the schools will be purchased magazine, newspapers in addition to reference book. For the optimum use of the material purchased through school grant every school will conduct fortnight activity. The students who will achieved first and second place at school level would be rewarded and eligible to participate at block and district level competition. The activity proposed as follows:-

S.No.	Month	Activity Proposed
1	July	1- Science Seminar 2- Essay Competition
2	August	1- Science Drama 2- General Knowledge Quiz
3	September	1- Science Exhibition 2- Mental Ability Test
4	November	1- Science Fair 2- General Knowledge Quiz
5	December	1- Maths Quiz

Table 8.22 Proposal of Science Exhibition 2015-16

S.No.	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
Total		13		13.00

Financial Requirement

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

Section of judges

A panel of science teacher formed by chief education officer from government, aided school, university teacher and public school teachers. 3 to 5 judges selected from the panel for each activity.

Evaluation Criteria

Judges will observe the project, model, presentation, analysis data, reporting, result, chart etc. demonstrated by participants and evaluate by marking system. Cross question will also be a tool for an evaluation.

Selected students from schools, block and district will be awarded. Awarded will be given in the form of certificate medal, trophy etc.

Proposal

The state conducts 5 state level activities for the promotion of science activities in consonance with NCERT guidelines. In the state SCERT is the designated institution to conduct the activities, but there is no provision for organizing these activities at district, block and school levels. So to conduct **science quiz, science drama, science seminar and science fair etc. at school, block and district levels is being proposed**. 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 2015 to December 2015.

8.13.3 Science Kit

NCERT has developed different types of kits for promotion of science. So to purchase the science kit for secondary level is being proposed. The kit is beneficial to develop the scientific approach and use of apparatus in the students. The apparatus have been developed as per the curriculum of secondary level. The cost of the kit as per the vide letter no.: 24-7/2011-12/DEK/E01/1507 division of Educational Kits dated 20 November 2014 is as follows:

Name of Kit	Weight approx	Basic Rate	Vat @12.5%	NCERT License Fee @ 10%	The Professional Rate per Kg	Total Cost of Transportation
Secondary Science Kit	18 Kg	5400.00	675.00	540.00	55.58	802.44

The unit cost of the kit after including local freight will be Rs. 7500.00.

Table 8.23 Proposed of Secondary Science Kit 2015-16

S.No.	District	Physical	Unit cost (in lakhs)	Total Cost (in lakhs)
1	Almora	256	0.075	19.20
2	Bageshwar	87	0.075	6.53
3	Chamoli	188	0.075	14.10
4	Champawat	89	0.075	6.68
5	Dehradun	164	0.075	12.30
6	Haridwar	89	0.075	6.68
7	Nainital	185	0.075	13.88
8	Pauri	302	0.075	22.65
9	Pithoragarh	191	0.075	14.33
10	Rudraprayag	107	0.075	8.03

S.No.	District	Physical	Unit cost (in lakhs)	Total Cost (in lakhs)
11	Tehri	276	0.075	20.70
12	U.S. Nagar	120	0.075	9.00
13	Uttarkashi	121	0.075	9.08
Total		2175		163.13

Financial Requirement

An amount of **Rs. 163.13 lakh** would be required for this activity

8.14 Guidance and Counseling

In the first phase State Guidance Resource Centre Bureau has been established at the SCERT Uttarakhand. 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 outsource agency selected by the committee headed chairman of district Magistrate. The selection process is going on.

Guidance & counseling cell at the school level

At every school a guidance & counseling cell have been constituted. This cell is responsible for counseling, carrier counseling personality development programme. This will be a continuous process. Interaction with famous personalities will be provided to the students. All type of problems such as Psychological, Social, Financial, Vocational, Health's, school related etc. collect by the cell from students. The solution of problems is given by the teachers weekly in the morning assembly. They will also have a chance to get counseling by experts.

A training module in guidance and counseling is developed at state level and will be used at In service teacher training 2015-16.

8.15 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 2015-16. One school selected each from 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. Physical education teachers are posted in these schools. These schools will necessarily organize an annual sports day.

The procurement will be done by concern SMDC/SMC. The sport equipment will be purchase as per need base the priority will be given to athletics, Indore game, Volleyball, Football etc.

Financial Requirement

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

Table 8.24 Proposal of Sports Equipments in 2015-16

S.No.	District	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

S.No.	District	No. of School	Unit cost (in lakhs)	Total Cost (in lakhs)
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
Total		95		19.00

8.16 Exposure Visit

8.16.1 Excursion trip for Students

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

A guideline for student excursion is provided to each of the school to carry out the excursion. The guideline annexure here.

Objective

- State has adopted CBSE pattern since 2006-07. According to CBSE and Board of School Education, Uttarakhand a project work has been given in science, social science and mathematics. The project made by students will be connected with excursion visit.
- Each of the students have to maintain an excursion diary in which he/she will write down the main learning derived out of the excursion.
- Students will gain practical knowledge from exposure.
- According to NCF 2005 for creation of knowledge the activity is most essential.

The excursion visit will 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 have participated in the previous excursion visit have given enthusiastic account of their learning due to the excursion. Perhaps it was 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 day to day life. The activity will be carried out for the class X students.

The details of district wise student excursion are:

Table 8.25 Proposal of Students Exposure 2015-16

S. No.	Districts	No. of schools		Physical (No. of Students)	Unit Cost (in lakh)	Total Amount (in lakh)
		Govt. Schools	Aided School			
1	Almora	10945	1587	12532	0.002	25.06
2	Bageshwar	4056	1046	5102	0.002	10.20
3	Chamoli	7113	467	7580	0.002	15.16
4	Champawat	4295	328	4623	0.002	9.25
5	Dehradun	8414	4494	12908	0.002	25.82
6	Haridwar	7112	8224	15336	0.002	30.67
7	Nainital	8666	1747	10413	0.002	20.83
8	Pauri	7999	1788	9787	0.002	19.57
9	Pithoragarh	6376	265	6641	0.002	13.28
10	Rudraprayag	3730	458	4188	0.002	8.38
11	Tehri	9411	947	10358	0.002	20.72
12	U.S. Nagar	13109	4888	17997	0.002	35.99
13	Uttarkashi	4598	0	4598	0.002	9.20
Total		88711	25772	122063		244.13

Financial Requirement

The total amount **Rs. 244.13 lakh** would be required for this activity.

8.17 Orientation of Stake Holders: Khula Munch

Objective

The participation of community in the all round development of the school is the need of the day. There should be strong bond of co-ordination between the community and school because of community is directly involved for the welfare of students and school. Regarding these circumstances of make aware of the entered community and parents with the performance of students and the worked being conducted the school administration is different field, a one day open school meet named "**KHULA MANCH**" will be organized twice in the academic year.

Strategy

In the open day school meet all the community members, Gram Panchayat Sadasya, Gram Pradhan, Ward Members, Parents, Guardian and Renowned Person will be invited. The school administration will displays all the work done by the students, teacher and staff regarding achievement of students, different programme run by state to beneficial to students, community etc. such as convergence with Social Welfare Department and Health Department, to promote girls education, Gaura Devi and Nanda Devi schemes, Weekly Iron Folic Supplement, Rashtriya Ball Swasthya Karyakarm (RBSK) and Rashitrya Kishore Swasthya Karyakarm (RKSK) Programms under National Rural Health Mission (NRHM) Scheme, Swatch Bharat Abhiyan, Open Schooling through NIOS for repeaters/drop out students etc. To sensitize parents of children with special need to get the benefit of ADIP scheme through National Institute of Visually Handicapped (NIVH) and National Institute of Orthopedic Handicapped (NIOH). The invited members can get and share any type of information with the school. Invitation will be sent through students.

Time Schedule

The open day meet "**KHULA MANCH**" will be organized twice in the academic year. First after the post LLA evaluation that is in second week of July and Second meet will be organized regarding to carrier and counseling before pre board exam.

Budget Allocation

Now a days in the PTA meeting the parents are totally reluctant to participate in the meeting. So taking the stock of experience of these meeting, the proposed open day meeting has tried to make effective and attractive to lure the participation of the community members. As on average 100 member will likely to participate to the open day meet per school. The average unit cost Rs. 0.03 lakhs is being proposed and the bifurcation of unit cost is as follows:

S.No.	Activity	Unit Cost
1	Refreshment @ Rs. 12 per participants	100 X 12 X 2 = Rs.2400.00
2	News Letter	Rs. 600.00
	Total	Rs. 3000.00

So financial requirement for the activity required as follows:

Table 8.26 Orientation of Stake Holders-Khula Munch

S.No.	Districts	No. of Schools	Unit cost (in lakh)	Total Amount (in lakh)
1	Almora	256	0.03	7.68
2	Bageshwar	87	0.03	2.61
3	Chamoli	188	0.03	5.64
4	Champawat	99	0.03	2.97
5	Dehradun	164	0.03	4.92

S.No.	Districts	No. of Schools	Unit cost (in lakh)	Total Amount (in lakh)
6	Haridwar	89	0.03	2.67
7	Nainital	185	0.03	5.55
8	Pauri	302	0.03	9.06
9	Pithoragarh	191	0.03	5.73
10	Rudraprayag	107	0.03	3.21
11	Tehri	276	0.03	8.28
12	U.S. Nagar	120	0.03	3.60
13	Uttarkashi	121	0.03	3.63
	Total	2185		65.55

Financial Requirement

The total amount **Rs. 65.55 lakh** would be required for this activity.

8.18 Strengthening of U-DISE at State and District Level

U-DISE 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 indulged in collecting information. Under the umbrella of Rashtriya Madhyamik Shiksha Abhiyan, Unified District Information System in Education (U-DISE) 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 Data 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 U-DISE by our own Computer Operators, in the presence of District Co-ordinators (U-DISE).

So the strengthening of U-DISE under RMSA at district is very essential. In Part due to constraints of MMER only one personal at State Level is looking after U-DISE and at the district planning, construction and U-DISE is looking after by only one person. At district and State level there should be separate manpower to analyse, diagnose and dissemination of data. Separate staff being provided at district level and state level.

Table 8.27 Proposed Manpower at District Level

S. No.	Item	No.	Unit Rate (@ per Rs.)	Total
1	Manpower (Salary for 12 Months)			
	(a) DRP	13	42000.00	6552000.00
	(b) Data Entry Operator	13	10000.00	1560000.00
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 U-DISE	13	100000.00	1300000.00
	Total			11884000.00

Table 8.28 Proposed Manpower at State Level

S. No.	Item	No.	Unit Rate (@ per Rs.)	Total
1	Printing of DCF	6000	10.00	60000.00
2	Manpower (Salary for 12 Months)			
	Joint Director (U-DISE)	1	68000.00	816000.00
	Assistant Director (U-DISE)	1	50000.00	600000.00
	Assistant Programmer (U-DISE)	1	15000.00	180000.00
	Computer Operator (U-DISE)	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 U-DISE	200	1500.00	300000.00
7	Monitoring of U-DISE	1	500000.00	500000.00
Total				2762000.00

Progress

The State Level SEMIS Unit has captured the SEMIS for the year 2007-08 to 2010-11. The manpower of RMSA were not at position so the SEMIS activity for above mentioned year were organised through the outsourcing. For the year 2011-12 the data entry for SEMIS for the done at the district level by the computer operator of RMSA. By the unification of DISE and SEMIS the U-DISE data was collected through the SSA and RMSA. The data entry for U-DISE was done at the district/block level by the SSA operators.

The data base received through SPO, SSA being checked and the discrepancies reported in data 2014-15. Data referred to concern districts for correction in on the basis of corrected data of 2014-15 the annual plan and budget for the year 2015-16 for Uttarakhand being prepared.

Table 8.29 Implementation Schedule for the year 2013-14

S. No.	Activity	Time	Responsibility	Remark
1	Printing of DCF	01.09.2014	SPO	
2	Training U-DISE	05.09.2014	SPO	DPO & DRP
3	District Level Training	08.09.2014	DPO	Principal & BEOs
4	Distribution of DCF	to 10.09.2014	DPO	
5	Filling of DCF	18.09.2014	Principal of School	
6	DCF collected at Block Level	20.09.2014	BEO	
7	Checking of U-DISE and correction at Block Level	30.09.2014	BEO	Checking of DCF of all schools
8	DCF collected at District Level	03.10.2014	DPO	
9	Checking of DCF at District Level	10.10.2014	DPO	25% Checking of DCF at District Level
10	Checking of DCF at State Level	15.10.2014	SPO	5% Checking of DCF at State Level
11	Data Entry	28.10.2014	DPO	
12	Create DMP File at District Level & send to the SPO	30.10.2014	DPO	
13	Create DMP File at State Level & send to the GOI	05.11.2014	SPO	
14	Reports Generation	10.11.2014	SPO/DPO	
15	Data Sharing of U-DISE at State Level	15.11.2014	SPO	

Chapter - 9 Vocationalisation

The Centrally Sponsored Scheme of Vocationalisation of Secondary Education provides for diversification of educational opportunities so as to enhance individual employability, reduce the mismatch between demand and supply of skilled manpower and provides an alternative for those pursuing higher education.

The Centrally Sponsored Scheme of Vocationalisation of Secondary Education at + 2 level is being implemented since 1988. The revised scheme is in operation since 1992-93. The Scheme provides for financial assistance to the States to set up administrative structure, area vocational surveys, preparation of curriculum, text book, work book curriculum guides, training manual, teacher training programme, strengthening technical support system for research and development, training and evaluation etc. It also provides financial assistance to NGOs and voluntary organizations towards implementation of specific innovative projects for conducting short-term courses.

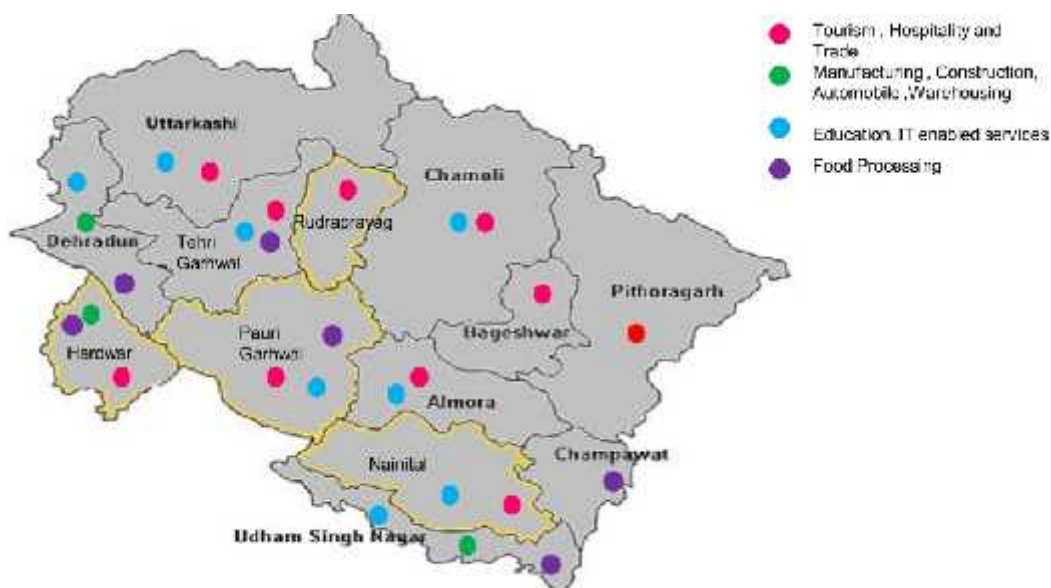
Institutions to be covered

The institutions having good enrollment in Class IX have been proposed in the first phase. The subject/Trade of Automobile has been proposed after mapping with the polytechnics & I.T.Is. In some places there is great demand of skill manpower in auto sector due to increase of vehicles and transport in the hill state. State Industrial Development Corporation of Uttarakhand Limited (SIDCUL) is established and developed industrial areas in US Nagar, Haridwar and Dehradun districts. Many industries are established in the field of Automobile, IT, Pharmaceutical etc. in these districts.

The subject/trade Tourism has been proposed due to high demand of tourist guide in Uttarakhand. H.N.B. Garhwal University (Central University) is running Graduate & Post Graduate course in Tourism. Garhwal Mandal Vikas Nigam (GMVN) & Kumaun Mandal Vikas Nigam (KMVN) which are semi Government organization of Uttarakhand are recruiting tourist guides.

Criteria for Selection of trade

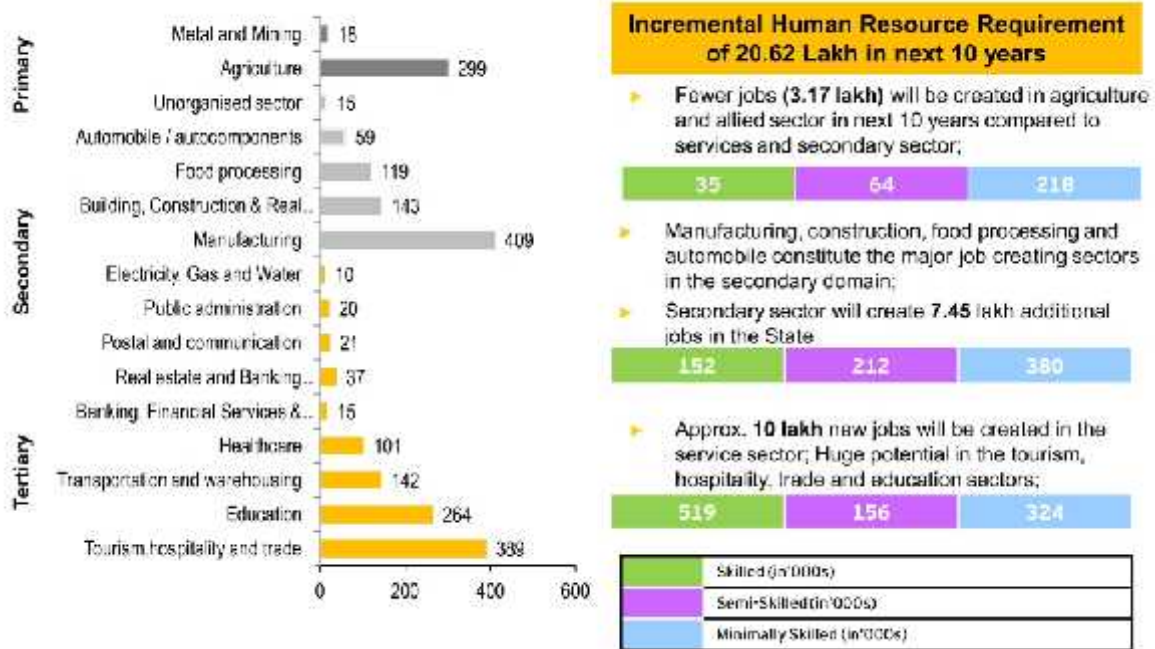
National Skill Development Corporation (NSDC) has conducted skill gap analysis survey for Uttarakhand State. Which shows the results follows:



Sources: EY Analysis

District mapping of high youth aspiration

Incremental Human Resource Requirement by Industry in 2012-2022 (in 000s)



Estimated incremental manpower demand 2012-22

The above data shows that Tourism, Hospitality, Manufacturing, Construction, Automobile, IT Enable Services, Food Processing & Warehousing are highly demanding trades in Uttarakhand. Tourism, Hospitality and trade have been more incremental manpower demand in Uttarakhand.

Proposed Sectors

As per NSDC survey and local needs for employable vocational trades following 06 subjects are proposed in district level plan.

1. Automobile
2. Retail
3. IT/ITeS
4. Tourism
5. Patient Care
6. Beauty and Wellness

National Occupation Standard Curriculum and Course Material are already prepared by MHRD and PSS Central Institute of Vocational Education (PSSCIVE), Bhopal for Automobile, Retail, Security and IT. These sectors are going on in Haryana, so Uttarakhand adopt some curriculum and material for these 04 sectors. The State proposed 03 new Vocational subjects i.e. Tourism and Patient Care and Beauty Care as per demand of the society. The curriculum and subject material will be developed by state and submit to MHRD for vetting.

It has been proposed to course the 02 sectors by each school as per local need. There courses from class IX shall be introduced as optional subject in selected schools in the state. The students having enrolled in class IX would opt for any one of the subject. The courses shall commence from class IX in session 2014-15.

Selection of Schools

1. Adequate infrastructure.
2. Sufficient number of students enrolled in class IX. At least 25 students will be enrolled in one sector.
3. Nearby industry.
4. Demand for vocational education.

Continuous comprehensive Evaluation

Continuous & comprehensive evaluation is a developmental process of students which emphasises on to fold objectives. These objectives are continuity in evaluation and assessment broad based learning and behavioral outcomes on the others. This process would create an environment for teaching & learning on day to day basis. Lessen mental pressure on students and reduce cramming.

Provision of Infrastructure

The selected schools are large schools having adequate no. of classrooms and ICT Labs. Availability of ICT Labs shall enable the transaction ICT skill courses. The existing classrooms and offices will utilized for these vocational subjects. However two workshop/ Laboratory have been asked for in the projects for the smooth conduct of practical.

Implementation Partners

To begin this project the sate Govt. will be recommend for implementation partner following the Haryana model of NVEQF. However Industrial linkages will be established with the Technical Education Department as well as skill knowledge providers in the state. The State Government had taken decision to take the help of Wadhvani Foundation in implementation of Vocational Education.

Provision of Faculty & Training

One regular vocational coordinator/Principal and four vocational teachers on contract basis for two subjects for each school would be deployed. Care would be taken to identify faculty with proper certification and experience.

The faculty shall be provided seven days In-service training and thirty days induction training with the help of National Skill Development Council (NSDC), PSSCIVE and SCERT.

Involvement of Industries

As the ultimate consumer of the output of education and training system, industries has to pay a pro active role in skill development initiatives and to sport the action taken by other stake holders in accordance with the current market needs. Keeping in view the above the provision of industries coordinator in each subject/ trade has been made on regular basis.

Certification

The certification will be done by Uttarakhand Vidyalayee Shiksha Parisad, Ramnagar.

Activities carried out in 2014-15

- 44 Schools (25 Plain & 19 Hill) are selected in all 13 districts.
- Labs space identified in selected schools.
- SRG for vocational education constituted at state level.
- MOU signed with Wadhvani Foundation for providing technical assistance in implementation of vocational education programme.
- MOU signed with NSDC for student's assessment & certification purpose.
- Awareness programmes for students/teachers/principals and SMDC's members are organised at school level.
- Meeting with Uttarakhand Vidyalayee Shiksha Parishad, Ramnagar (Examination Board) was organised for students assessment and certification in co-ordination with NSDC and Wadhvani Foundation.
- A NSQF Cell at Uttarakhand Vidyalayee Shiksha Parishad, Ramnagar has been established.
- Uttarakhand Vidyalayee Shiksha Parishad, Ramnagar has integrated vocational education subjects as a main core subjects at secondary and higher secondary level.
- State adopted PSSCIVE designed curriculum and reference materials.

- ❑ Books are printing in Hindi and English languages through SCERT.
- ❑ EOI floated for selection of Vocational Training Partners (VTP's)/agencies for implementation of vocational education in schools.
- ❑ On the basis of EOI, RFP has designed and published to select the agencies for implementation of vocational education.
- ❑ Only 02 proposals are received, so State Project Office has decided cancel the bid and invite new proposals for implementation of vocational education. State Government also set the responsibilities of vocational training partners.
- ❑ The list of equipment suggested by the PSSCIVE has been considered by State Government and decides that need based list of equipment will be finalized by State Resource Group with help of NSDC & Wadhvani Foundation and procurement process will be taken by SMDC/SMC as per RMSA Financial & Procurement Manual.

Responsibilities of VTPs

The service provider will be responsible for the following in the proposed programme covering 44 secondary and senior secondary schools. Among these 25 schools are situated in plain area and 19 schools are situated in hilly area. The service provider shall:

- a) Ensure arrangement of maintenance of tools and equipments, software and e-learning material as and when required.
- b) Ensure day-to-day requirements of stationary and other consumables for conducting the classes.
- c) Provide resource persons including teachers/skill trainers, skill knowledge providers, industry coordinators, guest faculty as per requirement of the project.
- d) Provide 02 vocational teachers in selected school of plain and hilly area as per the trade. Initial requirement Year 1-Year 3 shall be of 01 teacher for class 9-10. If class XI-XII are added to the program additional 1 teacher shall be deployed by the service provider.
- e) Ensure hands on skill training to students in industrial and commercial establishments.
- f) Ensure internal assessment of the students.
- g) Ensure theoretical and practical classes as per NSQF guidelines.
- h) Ensure students, parents, teachers and community mobilization in selected schools.
- i) Create awareness among the students, parents, teachers and community for the vocational education.
- j) Provide guidance and counselling services to the students as and when required.
- k) Ensure industry visit to the student for their improvement in practical exposure.
- l) Provide placement to the eligible students in related job market after passing out the level IV certificate.
- m) Organize minimum 20 guest faculty lecture in each relating subject/trade in every selected schools.

Another Activities Planned for Academic year 2014-15

1. Separate NSQF Cell at State for Vocational Education under SPO;
2. Principal Training for selected schools;
3. Online Portal for reporting management for Vocational Education Programme – Support by NIC;
4. Agreement with VTPs;
5. Selection & recruitment of VTPs/Implementation Partners;
6. Selection & recruitment of vocational teachers will be followed on the basis of PSSCIVE educational qualification norms.
7. Training of vocational teachers by trade-wise;
8. Lab setup at school level;
9. Project rollout in April, 2015;

Table 9.1 List of Sanctioned Schools for Vocational Education in 2014-15

S. No	District	Name of School	Trade	Location (Hilly/Plain)
1	ALMORA	G.I.C. LODHIYA	IT & AUTOMOBILE	H
2	BAGESHWAR	V.M.J.S.G I.C. BAGESHWAR	IT & AUTOMOBILE	H
3	CHAMOLI	GIC GOPESHWAR	IT & AUTOMOBILE	H
4	CHAMOLI	GGIC JOSHIMATH	IT & PATIENT CARE	H
5	CHAMPAWAT	GIC LOHAGHAT	IT & AUTOMOBILE	H
6	DEHRADUN	GIC LAKHAMANDAL	IT & AUTOMOBILE	H
7	DEHRADUN	G. I. C SAHIYA	IT & AUTOMOBILE	H
8	DEHRADUN	G.I.C SABHAWALA	IT & AUTOMOBILE	P
9	DEHRADUN	G.I.C MUSSORIEE	IT & PATIENT CARE	H
10	DEHRADUN	G.I.C MALDEVTA	RETAIL & PATIENT CARE	P
11	DEHRADUN	G.G.I.C RISHIKESH	RETAIL & PATIENT CARE	P
12	DEHRADUN	G.I.C HARBETPUR	IT & AUTOMOBILE	P
13	DEHRADUN	G.I.C SELAKUI	IT & AUTOMOBILE	P
14	DEHRADUN	G.I.C BSN GUJRARA	IT & AUTOMOBILE	P
15	DEHRADUN	G.G.I.C RAJPUR ROAD	IT & AUTOMOBILE	P
16	HARIDWAR	G.I.C. IMLIKHERA	IT & PATIENT CARE	P
17	HARIDWAR	G.I.C. SALEMPUR	IT & RETAIL	P
18	HARIDWAR	G.I.C. BHOGPUR	IT & AUTOMOBILE	P
19	HARIDWAR	G.G.I.C. JAWALAPUR	IT & AUTOMOBILE	P
20	HARIDWAR	G.I.C. BHEL	IT & AUTOMOBILE	P
21	HARIDWAR	G.I.C. ROORKEE	IT & AUTOMOBILE	P
22	NAINITAL	GIC LAL KUAN	RETAIL & AUTOMOBILE	P
23	NAINITAL	GGIC NAINITAL	IT & PATIENT CARE	H
24	NAINITAL	GIC SUNDARKHAL	IT & AUTOMOBILE	H
25	NAINITAL	GIC BETALGHAT	IT & AUTOMOBILE	H
26	NAINITAL	GGIC KOTABAGH	IT & PATIENT CARE	H
27	NAINITAL	GIC OKHALKANDA	IT & AUTOMOBILE	H
28	NAINITAL	GIC RAMGARH	IT & AUTOMOBILE	H
29	NAINITAL	GGIC RAMNAGAR	RETAIL & PATIENT CARE	P
30	PAURI	GOVT. INTER COLLEGE KOTDWAR	IT & AUTOMOBILE	P
31	PAURI	GOVT. GIRLS INTER COLLEGE SRINAGAR	IT & PATIENT CARE	H
32	PITHORAGARH	GIC PITTORAGARH	IT & AUTOMOBILE	H
33	RUDRAPRAYAG	G.I.C. RUDRAPRAYAG	IT & AUTOMOBILE	H
34	TEHRI	GIC TAPOVAN	IT & AUTOMOBILE	H
35	U.S. NAGAR	GHS SISONA	IT & AUTOMOBILE	P
36	U.S. NAGAR	GHS BASAI	IT & RETAIL	P
37	U.S. NAGAR	GHS CHARUBETA	IT & PATIENT CARE	P
38	U.S. NAGAR	GIC SULTANPUR PATTI	IT & PATIENT CARE	P
39	U.S. NAGAR	GIC JAINAGAR	RETAIL & AUTOMOBILE	P
40	U.S. NAGAR	GIC SITARGANJ	IT & AUTOMOBILE	P
41	U.S. NAGAR	GIC AN JHA RUDRAPUR	IT & AUTOMOBILE	P
42	U.S. NAGAR	GGIC PANTNAGAR	IT & AUTOMOBILE	P
43	U.S. NAGAR	GIC MAHUVAKHERA GANJ	IT & AUTOMOBILE	P
44	UTTARKASHI	GIC UTTARKASHI	IT & AUTOMOBILE	H

Proposal for 2015-16

State proposed 37 new vocational schools in 2015-16. Two new trades i.e. Tourism and Beauty & Wellness will be introduced in new proposed schools. District-wise new proposal for 2015-16 is following:

S. No.	District	Schools	UDISE Code	Vocational Trade 1	Vocational Trade 2
1	ALMORA	G.I.C. BARAKUNA	5090513302	TOURISM	BEAUTY AND WELLNESS
2	ALMORA	G.I.C. DWARAHAT	5090400701	I.T.	TOURISM
3	BAGESHWAR	G.G I C BAGESHWAR	5080100404	BEAUTY AND WELLNESS	I.T
4	BAGESHWAR	G I C KAUSANI	5080309703	BEAUTY AND WELLNESS	TOURISM
5	CHAMOLI	GIC GADORA	05020209202	TOURISM	PATIENT CARE
6	CHAMOLI	G.G.I.C. GOUCHAR	05020413913	I.T.	PATIENT CARE
7	CHAMPAWAT	GGIC CHAMPAWAT	5100305001	TOURISM	PATIENT CARE

S. No.	District	Schools	UDISE Code	Vocational Trade 1	Vocational Trade 2
8	DEHRADUN	GOVT INTER COLLEGE MEHUWALA	05050500110	PATIENT CARE	AUTOMOBILE
9	DEHRADUN	GOVT. INTER COLLEGE I.D.P.L.	05050619903	TOURISM	PATIENT CARE
10	HARIDWAR	GGHSS DAKSH KANKHAL	05130112604	IT	BEAUTY WELNAS
11	HARIDWAR	GIC LALDHANG	05130108404	IT	TOURSM
12	NAINITAL	GGIC DHOLAKHERA	5110402402	BEAUTY AND WELLNESS	TOURISM
13	NAINITAL	GIC LAMACHAUR	5110401701	BEAUTY AND WELLNESS	TOURISM
14	PAURI	GGIC PAURI	05060108104	BEAUTY AND WELLNESS	TOURISM
15	PAURI	GGIC KOTDWAR	05060814802	BEAUTY AND WELLNESS	TOURISM
16	PAURI	GGIC GHAMANDPUR	05060810407	BEAUTY AND WELLNESS	TOURISM
17	PAURI	GGIC LANSDOWN	05061201805	BEAUTY AND WELLNESS	TOURISM
18	PITHORAGARH	SDS GIC PITHORAGARH	05070125106	TOURISM	PATIENT CARE
19	PITHORAGARH	GGIC DIDIHAT	05070402605	TOURISM	PATIENT CARE
20	PITHORAGARH	GGIC DHARCHULA	05070513824	TOURISM	PATIENT CARE
21	PITHORAGARH	G.I.C. MUNSYARI	05070604901	TOURISM	PATIENT CARE
22	PITHORAGARH	MAHAKALI GIC GANGOLIHAT	05070803004	TOURISM	PATIENT CARE
23	RUDRAPRYAG	GIC RAMASRAM	05030201202	TOURISM	AUTOMOBILE
24	RUDRAPRYAG	GIC UKHIMATH	05030301603	TOURISM	AUTOMOBILE
25	TEHRI GARHWAL	GIC TAPOVAN	05040707604	IT	AUTOMOBILE
26	TEHRI GARHWAL	GIC DUADHAR	05040725502	BEAUTY AND WELLNESS	IT
27	TEHRI GARHWAL	GIC KEMPTI	05040523203	TOURISM	BEAUTY AND WELLNESS
28	TEHRI GARHWAL	GIC KEMPTI	05040523203	TOURISM	BEAUTY AND WELLNESS
29	U.S. NAGAR	GGIC KHATIMA	05120404118	PATIENT CARE	IT
30	U.S. NAGAR	GGIC SITARGANJ	05120609220	PATIENT CARE	IT
31	U.S. NAGAR	GIC SHAKTIFORM	05120604312	AUTOMOBILE	INFORMATION TECHNOLOGY
32	U.S. NAGAR	GIC FOUJI MATKOTA	05120201767	AUTOMOBILE	INFORMATION TECHNOLOGY
33	U.S. NAGAR	GGIC GADARPUR	05120107424	PATIENT CARE	BEAUTY AND WELLNESS
34	U.S. NAGAR	GGIC BAZPUR	05120707328	PATIENT CARE	BEAUTY AND WELLNESS
35	U.S. NAGAR	GGIC KASHIPUR	05120505172	PATIENT CARE	RETAIL
36	U.S. NAGAR	GGIC JASPUR	05120307924	PATIENT CARE	BEAUTY AND WELLNESS
37	UTTARKASHI	GIC UTTARKASHI	05010109226	IT	AUTOMOBILE

Budgetary Proposal

The state proposed recurring budget for 44 school sanctioned in 2014-15 and non-recurring and recurring component for 37 new schools proposed in 2015-16.

The state has proposed following non-recurring and recurring component for 2015-16:

S. No.	Component	Unit Cost (Rs. in lakhs)	Proposed Budget (Rs. in lakhs)
Non-Recurring (37 Schools)			
1	Tools, Equipment, Furniture, Computers, Diesel Generator Set	5.00 (Per Trade)	370.00
Recurring (81 Schools)			
1	Flexible Pool for engaging resource persons including teachers/skill trainers, Skill Knowledge Providers, Coordinators, guest faculty etc.	7.25	587.25
2	Raw Materials, maintenance of tools and equipment's purchase of books, software, e- learning material etc	0.70	56.70

S. No.	Component	Unit Cost (Rs. in lakhs)	Proposed Budget (Rs. in lakhs)
3	Cost of providing hands on skill training to students in industrial and commercial establishments	0.375	30.38
4	Cost of Assessment and Certification @ Rs 600 for 100 students of Class IXth and Class IXth and Rs. 800/- for 100 students of Class XIth and Class XIIth	0.30	24.30
5	Office Expenses/ Contingencies (including expenditure on awareness & publicity, guidance and counseling, transport, field visits, stationery, electricity, water office expenses etc.)	1.00	81.00

Chapter - 10

School Infrastructure and Strengthening of Secondary and Higher Secondary Education

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 unit cost sanctioned for a upgraded secondary school by the GOI in the year 2009-10 to 2011-12 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 unit cost for each construction work is as per block level SOR.

State Government has nominated Rural Engineering Service Department & Irrigation Department, Uttarakhand as construction agencies. Construction agency prepared site specific design and estimates after physical verification of each and every civil work. Local community provide free of cost land for school building. Planning Department is doing third party evaluation of civil works cost of more than Rs. 1.00 crore & State PWD nominated for third party evaluation of civil works cost of less than Rs. 1.00 crore.

State Government has adopted state norms for civil works in previous year and also borne additional grant for sanctioned civil works under RMSA. In this year State Government adopted GOI norms for all civil works and proposed SSOR based costing. There is block level SSOR in Uttarakhand so block level sample design and estimates are prepared in this year. Work specific unit cost is calculated on the basis of including height and distance index in block level sample estimate.

The detail of work for strengthening sanctioned in year 2009-10, 2010-11, 2013-14 & 2014-15 are following:

Table 10.1 Strengthening of School (2009-10)

S. No.	District	No. of School	Class Room	Science Labs	Computer Room	Art & Craft Room	Library Room	Toilet Block
1	Almora	54	22	11	10	07	11	10
2	Bageshwar	12	06	03	03	01	03	06
3	Chamoli	36	0	0	0	0	0	36
4	Champawat	20	06	04	04	0	0	06
5	Dehradun	51	16	12	04	0	06	35
6	Haridwar	06	12	06	0	0	06	06
7	Nainital	43	20	06	05	08	08	08
8	Pauri	41	17	15	14	14	14	30
9	Pithoragarh	38	0	0	0	0	04	36
10	Rudraprayag	16	06	03	03	03	02	03
11	Tehri	07	14	0	0	0	0	0
12	U.S. Nagar	45	11	07	07	7	07	21
13	Uttarkashi	14	05	06	0	0	05	0
Total		381	135	73	50	40	66	197

Table 10.2 Strengthening of School (2010-11)

S. No.	District	No. of School	Class Room	Science Labs	Computer Room	Art & Craft Room	Library Room	Toilet Block
1	Almora	11	16	05	11	10	11	11
2	Bageshwar	07	09	05	07	07	06	07
3	Chamoli	19	33	12	19	19	15	19
4	Champawat	01	01	0	01	01	01	01
5	Dehradun	10	19	07	09	10	10	10
6	Haridwar	11	15	08	11	09	11	11
7	Nainital	29	50	09	25	26	23	28
8	Pauri	14	20	08	12	12	10	13
9	Pithoragarh	04	06	02	04	04	04	04
10	Rudraprayag	06	06	01	04	04	04	04
11	Tehri	12	25	09	12	12	12	12
12	U.S. Nagar	08	27	03	06	06	05	07
13	Uttarkashi	07	18	01	07	07	06	07
Total		139	245	70	128	127	118	134

Table 10.3 Strengthening of School (2013-14)

S. No.	District	No. of School	Class Room	Science Labs	Computer Room	Art & Craft Room	Library Room	Toilet Block
1	Almora	07	14	01	05	07	03	01
2	Bageshwar	0	0	0	0	0	0	0
3	Chamoli	08	05	0	4	8	8	0
4	Champawat	0	0	0	0	0	0	0
5	Dehradun	01	0	0	1	1	1	0
6	Haridwar	04	06	2	4	4	4	2
7	Nainital	04	0	2	1	3	2	0
8	Pauri	0	0	0	0	0	0	0
9	Pithoragarh	0	0	0	0	0	0	0
10	Rudraprayag	0	0	0	0	0	0	0
11	Tehri	09	02	9	6	9	9	1
12	U.S. Nagar	0	0	0	0	0	0	0
13	Uttarkashi	0	0	0	0	0	0	0
Total		33	27	14	21	32	27	4

Table 10.4 Strengthening of School (2014-15)

S. No.	District	No. of School	Class Room	Science Labs	Computer Room	Art & Craft Room	Library Room	Toilet Block
1	Almora	14	16	9	13	14	14	3
2	Bageshwar	4	8	4	4	4	4	2
3	Chamoli	17	4	3	10	17	17	3
4	Champawat	4	2	0	2	4	4	0
5	Dehradun	34	2	28	26	34	31	0
6	Haridwar	11	26	11	11	11	11	11
7	Nainital	11	21	8	8	11	11	5
8	Pauri	17	23	15	17	17	17	10
9	Pithoragarh	31	46	23	16	29	4	6
10	Rudraprayag	9	16	5	8	8	8	5
11	Tehri	11	2	7	7	10	11	8
12	U.S. Nagar	8	26	5	5	6	8	3
13	Uttarkashi	8	13	6	8	7	8	1
Total		179	205	124	135	172	148	57

State Govt. has proposed strengthening of schools in year 2014-15 on the basis of site specific estimates under RMSA, but GOI had not approved site development work for these

proposed schools. In hilly areas it's not possible to construction building without site development. Govt. of Uttarakhand again has decided to bear additional cost for site development work. Revised site specific detail estimates for these works has been prepared and sent to approval of State Govt. GOI has not released any amount for Non-recurring grant in 2014-15. All works will be started in month of Feb., 2015.

Infrastructural gap and coverage of school under RMSA

- Total Govt. Sec. Schools : 2211
- Covered under Strengthening : 727
- Covered under Up-gradation : 271
- Proposed under Strengthening (2015-16) : 153
- Remaining Schools : 1060 (48%)

Table 10.5 Component-wise Infrastructure Gap & Coverage (Including Up-gradation)

S. No.	Component	Gap	Sanctioned till 2014-15	Proposed	Remaining Gap	Remaining Gap (%)
1	Class Room	1569	1256	134	179	11.40%
2	Toilet	705	663	2	40	5.60%
3	Library	1959	630	139	1190	60.74%
4	Computer Room	1385	605	114	666	48.08%
5	Science Lab	1339	552	88	699	52.20%
6	Art & Craft	2117	642	134	1341	63.34%

Proposal for 2015-16

The state proposed 153 schools for strengthening in 2015-16. District-wise proposal as follows:

S. No.	District	Proposed Schools	Class Room	Toilet	Library	Computer Room	Science Lab	Art & Craft
1	ALMORA	23	16	0	22	20	15	23
2	BAGESHWAR	9	14	0	9	9	9	9
3	CHAMOLI	5	3	0	5	4	2	5
4	CHAMPAWAT	10	3	0	6	4	3	3
5	DEHRADUN	15	3	0	13	10	6	14
6	PAURI	16	17	0	16	16	12	16
7	HARIDWAR	4	12	0	4	4	4	4
8	NAINITAL	13	8	0	9	6	9	4
9	PITHORAGARH	11	6	1	11	5	5	11
10	RUDRAPRAYAG	8	16	0	8	8	5	8
11	TEHRI	16	10	1	14	8	8	16
12	U.S. NAGAR	19	23	0	19	16	6	18
13	UTTARKASHI	4	3	0	3	4	4	4
TOTAL		153	134	2	139	114	88	135

Table 10.6 List of Proposed Schools for Strengthening

Sl. No.	District	Block	School	No. of Sci. Lab	No. of Comp. Room	No. of Art Room	No. of Library Room	No. of ACR	No. of Toilet Block	Proposed Cost (Civil Work)	Furnit. Cost	Lab Equip. Cost	Total Cost
Furniture Cost (In lakhs)				1.50	0.40	0.40	0.25	1.00					
1	ALMORA	CHAUKHUTIYA	G.G.I.C. CHAUKHUTIYA			1	1			44.27	0.65		44.92
2	ALMORA	DWARAHAT	G.G.H.S. PARKOT		1	1	1			64.10	1.05		65.15
3	ALMORA	DWARAHAT	G.I.C. MAJHKHALI	1		1		2		68.57	3.90	1.00	73.47
4	ALMORA	DHAULADEVI	G.I.C. CHAMTOLA		1	1	1	2		90.98	3.05		94.03
5	ALMORA	DHAULADEVI	G.I.C. BAMANSWAL		1	1	1			63.20	1.05		64.25
6	ALMORA	HAWALBAG	G.H.S. JOORKAPHOON	1	1	1	1	2		114.91	4.55	1.00	120.46
7	ALMORA	HAWALBAG	G.I.C. SHITALAKHET			1	1	2		77.03	2.65		79.68
8	ALMORA	HAWALBAG	G.G.I.C. DAULAGHAT	1	1	1	1	2		116.70	4.55	1.00	122.25
9	ALMORA	HAWALBAG	G.I.C. DEENAPANI	1	1	1	1			78.51	2.55	1.00	82.06
10	ALMORA	LAMGARAH	G.I.C. SATYUN	1	1	1	1			79.79	2.55	1.00	83.34
11	ALMORA	LAMGARAH	G.I.C. PEEPALI		1	1	1			62.00	1.05		63.05
12	ALMORA	SALT	G.G.H.S. BANGIDHAR	1	1	1	1			75.55	2.55	1.00	79.10
13	ALMORA	SALT	G.I.C. TOTAM	1	1	1	1			75.55	2.55	1.00	79.10
14	ALMORA	SALT	G.H.S. TOLYOUN	1	1	1	1	2		112.27	4.55	1.00	117.82
15	ALMORA	SALT	G.I.C. BHAUNKHAL	1	1	1	1			75.55	2.55	1.00	79.10
16	ALMORA	SALT	G.H.S. KANEKHALPATI	1	1	1	1	2		112.87	4.55	1.00	118.42
17	ALMORA	SYALDEY	G.I.C. MAALIKHET	1	1	1	1			79.07	2.55	1.00	82.62
18	ALMORA	SYALDEY	G.I.C. JAURASI	1	1	1	1			79.07	2.55	1.00	82.62
19	ALMORA	SYALDEY	G.I.C. SYALDEY	1	1	1	1			79.07	2.55	1.00	82.62
20	ALMORA	TAKULA	G.I.C. MANSARI NALACHAURA	1	1	1	1	2		119.67	4.55	1.00	125.22
21	ALMORA	TAKULA	G.I.C. SUNOLI	1	1	1	1			80.48	2.55	1.00	84.03
22	ALMORA	TARIKHET	G.I.C. LODHIYAKHAN		1	1	1			60.63	1.05		61.68
23	ALMORA	TARIKHET	G.I.C. TARIKHET		1	1	1			60.63	1.05		61.68
24	BAGESHWAR	BAGESHWAR	G.G.I.C. KANDA	1	1	1	1			61.27	2.55	1.00	64.82
25	BAGESHWAR	BAGESHWAR	GOVT HIGH SCHOOL MALSUNA	1	1	1	1			61.27	2.55	1.00	64.82
26	BAGESHWAR	BAGESHWAR	GOVT HIGH SCHOOL BHETA	1	1	1	1			61.27	2.55	1.00	64.82
27	BAGESHWAR	BAGESHWAR	GOVT.HIGH SCHOOL BAJIROT	1	1	1	1			61.27	2.55	1.00	64.82
28	BAGESHWAR	GARUR	G.I.C. CHHTAYANI	1	1	1	1			61.80	2.55	1.00	65.35
29	BAGESHWAR	GARUR	G.H.S. GARKHET	1	1	1	1			61.80	2.55	1.00	65.35
30	BAGESHWAR	KAPKOTE	G.I.C. KARMI	1	1	1	1			62.86	2.55	1.00	66.41
31	BAGESHWAR	KAPKOTE	G.I.C. NAMTICHETABAGAR	1	1	1	1			62.86	2.55	1.00	66.41
32	BAGESHWAR	KAPKOTE	GOVT.HIGH SCHOOL BAISANI	1	1	1	1			77.36	2.55	1.00	80.91
33	CHAMOLI	DEWAL	GHS JAINBISHT	1	1	1	1	1		75.16	3.55	1.00	79.71
34	CHAMOLI	GAIRSAIN	GIC AADIBADRI	1	1	1	1			61.08	2.55	1.00	64.63
35	CHAMOLI	GHAT	GIC KANDIE		1	1	1	1		62.94	2.05		64.99
36	CHAMOLI	NARAYANBAGAR	GHS NILADI		1	1	1	1		63.19	2.05		65.24
37	CHAMOLI	THARALI	GGIC THARALI			1	1			31.05	0.65		31.70

Sl. No.	District	Block	School	No. of Sci. Lab	No. of Comp. Room	No. of Art Room	No. of Library Room	No. of ACR	No. of Toilet Block	Proposed Cost (Civil Work)	Furnit. Cost	Lab Equip. Cost	Total Cost
Furniture Cost (In lakhs)				1.50	0.40	0.40	0.25	1.00					
38	CHAMPAWAT	CHAMPAWAT	GIC CHAMPAWAT		1					16.92	0.40		17.32
39	CHAMPAWAT	CHAMPAWAT	GGIC TANAKPUR		1		1			43.39	0.65		44.04
40	CHAMPAWAT	CHAMPAWAT	GIC DHOUN				1			26.47	0.25		26.72
41	CHAMPAWAT	LOHAGHAT	GHS KHUNABORA				1	1		43.19	1.25		44.44
42	CHAMPAWAT	LOHAGHAT	GIC MADLAK	1		1	1			60.48	2.15	1.00	63.63
43	CHAMPAWAT	LOHAGHAT	GGIC CHAMDEVAL			1		1		32.93	1.40		34.33
44	CHAMPAWAT	LOHAGHAT	GIC SUI	1	1		1			61.13	2.15	1.00	64.28
45	CHAMPAWAT	BARKOT	GIC BAPRU			1	1			43.59	0.65		44.24
46	CHAMPAWAT	PATI	GIC MULAKOT					1		16.88	1.00		17.88
47	CHAMPAWAT	PATI	GHS NILOTI	1	1					35.25	1.90	1.00	38.15
48	DEHRADUN	CHAKRATA	GOVT INTER COLLEGE QWANSI		1	1		1		51.15	1.80		52.95
49	DEHRADUN	CHAKRATA	GOVT INTER COLLEGE MAHRAWNA	1	1	1	1			79.11	2.55	1.00	82.66
50	DEHRADUN	CHAKRATA	GOVT HIGH SCHOOL GWASAPUL		1	1	1			61.43	1.05		62.48
51	DEHRADUN	KALSI	GOVT INTER COLLAGE BESOGILANI	1	1	1	1			72.34	2.55	1.00	75.89
52	DEHRADUN	VIKASNAGAR	GOVT HIGH SCHOOL BHIMAWALA	1		1	1			47.89	2.15	1.00	51.04
53	DEHRADUN	VIKASNAGAR	GOVT HIGH SCHOOL PASHCHIMIWALA	1	1	1	1			61.37	2.55	1.00	64.92
54	DEHRADUN	VIKASNAGAR	GOVT INTER COLLEGE KATAPATTHAR			1	1			34.23	0.65		34.88
55	DEHRADUN	VIKASNAGAR	GOVT HIGH SCHOOL RUDRAPUR		1	1	1			47.72	1.05		48.77
56	DEHRADUN	SAHASPUR	GOVT. HIGH SCHOOL DUNGA	1	1	1	1			61.52	2.55	1.00	65.07
57	DEHRADUN	RAIPUR	GOVT. GIRLS INTER COLLEG KARGI GRANT	1	1		1			49.27	2.15	1.00	52.42
58	DEHRADUN	DOIWALA	GOVT. GIRLS HIGH SCHOOL HARRAWALA		1	1	1	1		61.06	2.05		63.11
59	DEHRADUN	DOIWALA	GOVT. INTER COLLEGE DUDHLI			1	1			34.87	0.65		35.52
60	DEHRADUN	DOIWALA	GOVT. INTER COLLEGE BARONWALA JOLLY			1	1			34.87	0.65		35.52
61	DEHRADUN	DOIWALA	GOVT INTER COLLEGE IDPL VEERBHADRA		1	1				26.96	0.80		27.76
62	DEHRADUN	DOIWALA	GOVT. REETA INTER COLLEGE GARHI SHYAMPUR			1	1	1		48.08	1.65		49.73
63	HARIDWAR	BAHADRABAD	G.I.C. BHEL	1	1	1	1	4		120.93	6.55	1.00	128.48
64	HARIDWAR	BAHADRABAD	G.G.I.C. JWALAPUR	1	1	1	1	4		120.93	6.55	1.00	128.48
65	HARIDWAR	BHAGWANPUR	G.H.S. KUNJA BAHADURPUR	1	1	1	1	2		93.89	4.55	1.00	99.44
66	HARIDWAR	LAKSAR	G.H.S. AITHAL	1	1	1	1	2		93.82	4.55	1.00	99.37

Chapter - 10 : School Infrastructure and Strengthening of Secondary and Higher Secondary Education

Sl. No.	District	Block	School	No. of Sci. Lab	No. of Comp. Room	No. of Art Room	No. of Library Room	No. of ACR	No. of Toilet Block	Proposed Cost (Civil Work)	Furnit. Cost	Lab Equip. Cost	Total Cost
Furniture Cost (In lakhs)				1.50	0.40	0.40	0.25	1.00					
67	NAINITAL	OKHALKANDA	GIC PUTGAON	1			1	2		56.63	3.75	1.00	61.38
68	NAINITAL	OKHALKANDA	GHS BHADRAKOTE	1	1		1	2		72.23	4.15	1.00	77.38
69	NAINITAL	OKHALKANDA	GHS KAIRAGAON	1	1					27.61	1.90	1.00	30.51
70	NAINITAL	HALDWANI	GHS INDRAPUR	1	1	1	1	2		79.52	4.55	1.00	85.07
71	NAINITAL	HALDWANI	GHS KISHANPUR	1	1	1	1	2		79.52	4.55	1.00	85.07
72	NAINITAL	HALDWANI	G I C LAMACHOUR				1			16.25	0.25		16.50
73	NAINITAL	HALDWANI	GIC RAMNAGAR			1				12.54	0.40		12.94
74	NAINITAL	HALDWANI	GIC RAJPURA				1			16.25	0.25		16.50
75	NAINITAL	RAMGARH	GIC RAMGARH			1				16.25	0.40		16.65
76	NAINITAL	OKHALKANDA	GIC PASHYA	1	1		1			45.03	2.15	1.00	48.18
77	NAINITAL	DHARI	GIC PAHARPANI	1	1		1			43.56	2.15	1.00	46.71
78	NAINITAL	KOTABAGH	GGIC KOTABAGH	1						13.25	1.50	1.00	15.75
79	NAINITAL	KOTABAGH	GIC DONPAREWA	1			1			29.78	1.75	1.00	32.53
80	PAURI	BIRONKHAL	GOVT.HIGH SCHOOL BHAMRAIKHAL		1	1	1	2		86.47	3.05		89.52
81	PAURI	DUGADDA	GOVT.GIRLS INTER COLLEGE KOTDWAR	1	1	1	1	4		108.55	6.55	1.00	116.10
82	PAURI	DUGADDA	GOVT. INTER COLLEGE MANDAI		1	1	1	1		58.27	2.05		60.32
83	PAURI	DWARIKHAL	GOVT.INTER COLLEGE AMOLA	1	1	1	1	2		84.11	4.55	1.00	89.66
84	PAURI	JAIHARIKHAL	GOVT.HIGH SCHOOL BARSWAR	1	1	1	1	1		70.52	3.55	1.00	75.07
85	PAURI	KOT	GOVT.INTER COLLEGE NAHSAIN	1	1	1	1			59.68	2.55	1.00	63.23
86	PAURI	NAINIDANDA	GOVT.INTER COLLEGE DHUMAKOT	1	1	1	1			57.67	2.55	1.00	61.22
87	PAURI	PABAU	GOVT.HIGH SCHOOL BISHALD	1	1	1	1			59.46	2.55	1.00	63.01
88	PAURI	PABAU	GOVT.HIGH SCHOOL NISNI	1	1	1	1			59.46	2.55	1.00	63.01
89	PAURI	PABAU	GOVT.INTER COLLEGE SEEKU	1	1	1	1	2		86.22	4.55	1.00	91.77
90	PAURI	PAURI	GOVT.INTER COLLEGE UJYARI		1	1	1	1		59.08	2.05		61.13
91	PAURI	PAURI	GOVT.INTER COLLEGE KEWARSH	1	1	1	1			62.04	2.55	1.00	65.59
92	PAURI	PAURI	GOVT.INTER COLLEGE KANDARA	1	1	1	1			62.04	2.55	1.00	65.59
93	PAURI	PAURI	GOVT.HIGH SCHOOL UFALDA	1	1	1	1	1		73.35	3.55	1.00	77.90
94	PAURI	THALISAIN	GOVT.INTER COLLEGE KATHURKHAL		1	1	1			46.79	1.05		47.84
95	PAURI	YAMKEWAR	GOVT.INTER COLLEGE BHIRGUKHAL	1	1	1	1	3		98.06	5.55	1.00	104.61
96	PITHORAGARH	BIN	GIC GURNA			1	1	1		46.09	1.65		47.74
97	PITHORAGARH	BIN	S.K.S. G.I.C. BAANS		1	1	1			46.20	1.05		47.25
98	PITHORAGARH	DHARCHULA	GIC JAULJIBI			1	1	1		49.09	1.65		50.74
99	PITHORAGARH	DHARCHULA	GIC JUMMA	1	1	1	1	1		79.68	3.55	1.00	84.23
100	PITHORAGARH	GANGOLIHAT	GHS POKHARI	1		1	1			47.96	2.15	1.00	51.11

Sl. No.	District	Block	School	No. of Sci. Lab	No. of Comp. Room	No. of Art Room	No. of Library Room	No. of ACR	No. of Toilet Block	Proposed Cost (Civil Work)	Furnit. Cost	Lab Equip. Cost	Total Cost
Furniture Cost (In lakhs)				1.50	0.40	0.40	0.25	1.00					
101	PITHORAGARH	GANGOLIHAT	GHS BUNGALI			1	1	2		61.80	2.65		64.45
102	PITHORAGARH	GANGOLIHAT	GIC SIN LEKH			1	1			32.98	0.65		33.63
103	PITHORAGARH	KANALICHHEENA	G.G.H S DEVAL THAL	1	1	1	1	1		76.04	3.55	1.00	80.59
104	PITHORAGARH	KANALICHHEENA	G.I.C. CHARANDEV			1	1		1	38.86	0.65		39.51
105	PITHORAGARH	MOONAKOT	G H SCHOOL CHOUKHAL	1	1	1	1			61.08	2.55	1.00	64.63
106	PITHORAGARH	MUNSYARI	G.G.I.C BANSBAGAR	1	1	1	1			64.68	2.55	1.00	68.23
107	RUDRAPRAYAG	AUGUSTMUNI	GIC BASUKEDAR	1	1	1	1	2		90.02	4.55	1.00	95.57
108	RUDRAPRAYAG	AUGUSTMUNI	GIC CHOPDA		1	1	1	2		75.26	3.05		78.31
109	RUDRAPRAYAG	AUGUSTMUNI	GIC MAIKOTI		1	1	1	2		75.26	3.05		78.31
110	RUDRAPRAYAG	JAKHOLI	GHS BARSIR	1	1	1	1	2		91.15	4.55	1.00	96.70
111	RUDRAPRAYAG	JAKHOLI	GHS KOT BANGAR	1	1	1	1	2		91.15	4.55	1.00	96.70
112	RUDRAPRAYAG	JAKHOLI	GIC KANDALI		1	1	1	2		76.20	3.05		79.25
113	RUDRAPRAYAG	UKHIMATH	GIC MONSOONA	1	1	1	1	2		91.03	4.55	1.00	96.58
114	RUDRAPRAYAG	UKHIMATH	GIC RAMPUR NYALSU	1	1	1	1	2		91.03	4.55	1.00	96.58
115	TEHRI GARHWAL	BHILANGANA	GIC AKHODI	1	1	1	1	2		87.05	4.55	1.00	92.60
116	TEHRI GARHWAL	DEVPRAYAG	GIC HINSRIYAKHAL			1				13.36	0.40		13.76
117	TEHRI GARHWAL	DEVPRAYAG	GIC MAHADJALI		1	1	1			43.77	1.05		44.82
118	TEHRI GARHWAL	DEVPRAYAG	GIC PAURIKHAL	1	1	1		1		54.05	3.30	1.00	58.35
119	TEHRI GARHWAL	JOUNPUR	GIC KATAL	1		1	1	2		73.06	4.15	1.00	78.21
120	TEHRI GARHWAL	JOUNPUR	GIC SRIKOT			1	1	1		45.12	1.65		46.77
121	TEHRI GARHWAL	JOUNPUR	GIC THATYUD			1	1			31.41	0.65		32.06
122	TEHRI GARHWAL	KEERTINAGAR	GHS CHOUKI		1	1	1			45.23	1.05		46.28
123	TEHRI GARHWAL	KEERTINAGAR	GIC PIPLIDHAR DAGAR	1		1	1	1		59.36	3.15	1.00	63.51
124	TEHRI GARHWAL	KEERTINAGAR	GIC RADAGAD	1	1	1	1			59.47	2.55	1.00	63.02
125	TEHRI GARHWAL	KEERTINAGAR	GIC RINGOLI MALLI	1	1	1	1			59.47	2.55	1.00	63.02
126	TEHRI GARHWAL	NARENDRANAGAR	GIC PAW KEE DEVI			1	1			30.41	0.65		31.06
127	TEHRI GARHWAL	NARENDRANAGAR	GIC TIMLI	1	1	1	1	2	1	90.11	4.55	1.00	95.66
128	TEHRI GARHWAL	THOULDHAR	GIC BANDA (GUSAIN)	1		1	1	1		56.73	3.15	1.00	60.88
129	TEHRI GARHWAL	THOULDHAR	GIC KANDIKHAL			1	1			31.23	0.65		31.88
130	TEHRI GARHWAL	JAKHANIDHAR	GIC BHARETIDHAR		1	1	1			45.39	1.05		46.44
131	US NAGAR	BAZPUR	GIC SULTANPUR			1	1	3		66.19	3.65		69.84
132	US NAGAR	BAZPUR	GOVT HS RAINTA	1	1	1	1	2		79.25	4.55	1.00	84.80
133	US NAGAR	BAZPUR	GOVT INTER COLLEGE BANNAKHERA		1	1	1			41.29	1.05		42.34
134	US NAGAR	GADARPUR	G.H.S DHAULPUR	1	1	1	1	2		79.45	4.55	1.00	85.00
135	US NAGAR	GADARPUR	G.I.C. GADARPUR		1	1	1			41.39	1.05		42.44
136	US NAGAR	JASPUR	GOVT G. H.S.DHRAMPUR		1	1	1			41.49	1.05		42.54
137	US NAGAR	JASPUR	GOVT H.S. SANYASIWALA		1	1	1			41.49	1.05		42.54
138	US NAGAR	JASPUR	GOVT INTER COLLEGE KUNDA		1	1	1			41.49	1.05		42.54

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Sl. No.	District	Block	School	No. of Sci. Lab	No. of Comp. Room	No. of Art Room	No. of Library Room	No. of ACR	No. of Toilet Block	Proposed Cost (Civil Work)	Furnit. Cost	Lab Equip. Cost	Total Cost
Furniture Cost (In lakhs)				1.50	0.40	0.40	0.25	1.00					
139	US NAGAR	KASHIPUR	G.G.H.S.DABHOURA MUSTKAM		1	1	1	2		66.35	3.05		69.40
140	US NAGAR	KHATIMA	GOVT HS JADAVPUR		1	1	1			41.42	1.05		42.47
141	US NAGAR	RUDRAPUR	G.G.H.S. NAGLA				1	2		41.17	2.25		43.42
142	US NAGAR	RUDRAPUR	GHS KICHA			1	1	2		53.66	2.65		56.31
143	US NAGAR	RUDRAPUR	GHS TURKA GOURI	1	1	1	1	2		79.21	4.55	1.00	84.76
144	US NAGAR	RUDRAPUR	GIC BAGWALA	1	1	1	1	2		79.21	4.55	1.00	84.76
145	US NAGAR	RUDRAPUR	GOVT INTER COLLEGE KANAKPUR	1	1	1	1	2		79.21	4.55	1.00	84.76
146	US NAGAR	RUDRAPUR	GOVT. HS BAKHPUR		1	1	1	3		78.74	4.05		82.79
147	US NAGAR	RUDRAPUR	GOVT H S S RAMPURA	1	1	1	1			54.23	2.55	1.00	57.78
148	US NAGAR	SITARGANJ	GOVT. H.S. KUNVERPUR SISAIYA		1	1	1	1		53.88	2.05		55.93
149	US NAGAR	SITARGANJ	GOVT. H.S.S. ASTAVIHI		1	1	1			41.36	1.05		42.41
150	UTTARKASHI	CHINYALISAUR	GIC JIBYA	1	1	1	1			82.66	2.55	1.00	86.21
151	UTTARKASHI	MORI	GIC SANKARI	1	1	1	1	1		101.95	3.55	1.00	106.50
152	UTTARKASHI	NAUGAON	GIC KHARADI	1	1	1	1	2		118.37	4.55	1.00	123.92
153	UTTARKASHI	NAUGAON	GIC KANDARI	1	1	1				54.52	2.30	1.00	57.82
Total				88	114	135	139	120	2	9526.27	386.35	88.00	10000.62

Convergence with other Department

RMSA has emphasized on convergence with another state department /schemes to gain optimum benefit for infrastructural development of schools. The following chart is showing convergence activities in the state:

S.No.	Activities	Department/Scheme
1	Availability of land	Local community
2	Preparation of estimates	Construction agencies
3	Third Party Monitoring	State Planning Department & PWD
4	Site development works	State sector scheme
5	Boundary wall	State sector scheme
6	Drinking water facilities	Swajal/Peyjal Nigam
7	Toilet facilities	Corporate sectors
8	Other infrastructure facilities	MLA/MP funds, district plan, state sector schemes
9	Monitoring of civil works	SSA Engineers/Education Department Officers

Proposal for ICT in 2015-16

The Govt. of Uttarakhand had initiated the process of integration of Information & Technology in education under the 'Arohi' Programme since 2001 to prepare the students for digital future. Under this programme efforts were made to computerize every secondary and senior secondary school in the state. More than 8000 computers have been provided to different Govt. and Govt. aided schools. After implementation of ICT scheme the state has stopped the 'Arohi' programme. The new schools up-graded under RMSA has no computer facility at all. For the year 2015-16 such 216 schools are being proposed under ICT where schools are functional and building works are completed or in progress. The district-wise proposal is as follows:

Sl. No.	District	Block	School Code	School Name	Electricity	Computer Room
1	ALMORA	TAKULA	5091002804	G.H.S. LAKHNADI	YES	YES
2	ALMORA	SALT	5090801903	G.H.S. BHYARI	YES	YES
3	ALMORA	HAWALBAG	5090612202	G.H.S. RAUNDAL	YES	YES
4	ALMORA	TARIKHET	5091108102	G.H.S. NAUGAON	YES	YES
5	ALMORA	BHIKIYASAIN	5090200902	G.H.S. SRIKOT	YES	YES
6	ALMORA	TAKULA	5091004102	G.H.S. GANGA KOTULI	YES	YES
7	ALMORA	DHAULADEVI	5090518202	G.H.S. DHURA	YES	YES
8	ALMORA	LAMGARAH	5090704602	G.H.S. THUWASIMAL	YES	YES
9	ALMORA	DHAULADEVI	5090508101	G.H.S. CHAMUWA	YES	YES
10	ALMORA	SYALDEY	5090900702	G.H.S. SUNDARKHAL	YES	YES
11	BAGESHWAR	BAGESHWAR	5080103601	GOVT. HIGH SCHOOL JUNAYAL	YES	YES
12	BAGESHWAR	BAGESHWAR	5080113901	GOVT. HIGH SCHOOL LETI	YES	YES
13	BAGESHWAR	BAGESHWAR	5080105902	GOVT.HIGH SCHOOL RAWATSERA	YES	YES
14	BAGESHWAR	BAGESHWAR	5080115401	GOVT.HIGH SCHOOL RATBEY	YES	YES
15	BAGESHWAR	BAGESHWAR	5080121201	GOVT.HIGH SCHOOL PAGNA	YES	YES
16	BAGESHWAR	BAGESHWAR	5080122302	GOVT.HIGH SCHOOL KARALA PALARI	YES	YES
17	BAGESHWAR	GARUR	5080304402	GOVT.HIGH SCHOOL KOTFULWARI	YES	YES
18	BAGESHWAR	GARUR	5080308701	GOVT.HIGH SCHOOL MATHURO-PATALI	YES	YES
19	BAGESHWAR	GARUR	5080310903	GOVT.HIGH SCHOOL SIMAR MAJKOT	YES	YES
20	BAGESHWAR	GARUR	5080308503	GOVT HIGH SCHOOL LAMACHULA	YES	YES
21	BAGESHWAR	GARUR	5080313003	GOVT HIGH SCHOOL KULAUN	YES	YES
22	BAGESHWAR	KAPKOTE	5080202301	GOVT.HIGH SCHOOL LILI	YES	YES
23	BAGESHWAR	KAPKOTE	5080207302	GOVT. HIGH SCHOOL HORALI	YES	YES
24	BAGESHWAR	KAPKOTE	5080202401	GOVT.HIGH SCHOOL UTTORRA	YES	YES
25	BAGESHWAR	KAPKOTE	5080206602	GOVT. HIGH SCHOOL BHANAR	YES	YES
26	BAGESHWAR	KAPKOTE	5080211602	GOVT.HIGH SCHOOL KHATI	YES	YES
27	CHAMOLI	DASHOLI	5020201502	GOVT H.S. DOGRI KANDAI	YES	YES
28	CHAMOLI	DEWAL	5020905503	GHS BERADHAR	YES	YES
29	CHAMOLI	DEWAL	5020901002	GHS RAIN	YES	YES
30	CHAMOLI	GAIRSAIN	5020619503	GHS PINDWALI	YES	YES
31	CHAMOLI	GAIRSAIN	5020620802	GHS PUNGANW	YES	YES
32	CHAMOLI	GHAT	5020303404	GHS KANOL	YES	YES
33	CHAMOLI	GHAT	5020301202	GHS KUMJUG	YES	YES
34	CHAMOLI	GHAT	5020307303	GHS LANKHI	YES	YES
35	CHAMOLI	GHAT	5020303703	GHS PERI	YES	YES
36	CHAMOLI	GHAT	5020301602	GHS SUNG	YES	YES
37	CHAMOLI	NARAYANBAGAR	5020713303	GHS KHAINOLI	YES	YES

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Sl. No.	District	Block	School Code	School Name	Electricity	Computer Room
38	CHAMOLI	NARAYANBAGAR	5020716503	GHS PAITHANI	YES	YES
39	CHAMOLI	THARALI	5020800802	GHS KAKHADA	YES	YES
40	CHAMPAWAT	LOHAGHAT	5100205401	GHS KHEEDI POKHARI	YES	YES
41	CHAMPAWAT	CHAMPAWAT	5100300202	GHS FUNGAR	YES	YES
42	CHAMPAWAT	CHAMPAWAT	5100313401	GIC CHALTHI	YES	YES
43	CHAMPAWAT	CHAMPAWAT	5100314602	GHS BADOLI	YES	YES
44	CHAMPAWAT	CHAMPAWAT	5100315102	GHS BAJON	YES	YES
45	CHAMPAWAT	PATI	5100404102	GHS SIMALKHET	YES	YES
46	CHAMPAWAT	PATI	5100407402	GIC MACHHIYAD	YES	YES
47	CHAMPAWAT	PATI	5100412901	GHS KAFDA	YES	YES
48	DEHRADUN	CHAKRATA	05050101304	GOVT. HIGH SCHOOL JAARI	YES	YES
49	DEHRADUN	CHAKRATA	05050104104	GOVT HIGH SCHOOL MALETHA	YES	YES
50	DEHRADUN	CHAKRATA	05050109002	GOVT HIGH SCHOOL MAYPATA	YES	YES
51	DEHRADUN	CHAKRATA	05050109504	GOVT HIGH SCHOOL MENDAL	YES	YES
52	DEHRADUN	KALSI	05050207105	GOVT.HIGH SCHOOL JAINDEU	YES	YES
53	DEHRADUN	KALSI	05050208304	GOVT HIGH SCHOOL RIKHAD	YES	YES
54	DEHRADUN	KALSI	05050213202	GOVT. HIGH SCHOOL HAYOTAGRI	YES	YES
55	DEHRADUN	KALSI	05050213502	GOVT. HIGH SCHOOL UDPALTA	YES	YES
56	DEHRADUN	KALSI	05050214006	GOVT HIGH SCHOOL RUPA00	YES	YES
57	DEHRADUN	KALSI	05050219602	GOVT. HIGH SCHOOL DHOIRA	YES	YES
58	DEHRADUN	VIKASNAGAR	05050303104	GOVT HIGH SCHOOL MADARSU	YES	YES
59	DEHRADUN	VIKASNAGAR	05050306006	GOVT HIGH SCHOOL KULHAL	YES	YES
60	DEHRADUN	VIKASNAGAR	05050306103	GOVT INTER COLLEGE TIMLI	YES	YES
61	DEHRADUN	VIKASNAGAR	05050307305	GOVT. HIGH SCHOOL DANDAPUR	YES	YES
62	DEHRADUN	SAHASPUR	05050400904	GOVT HIGH SCHOOL MASRASPATTI	YES	YES
63	DEHRADUN	SAHASPUR	05050422604	GOVT. HIGH SCHOOL KAINCHIWALA	YES	YES
64	DEHRADUN	RAIPUR	05050500603	GOVT. HIGH SCHOOL SILLA	YES	YES
65	DEHRADUN	RAIPUR	05050501106	GOVT HIGH SCHOOL CHAMASARI	YES	YES
66	DEHRADUN	RAIPUR	05050508603	GOVT. HIGH SCHOOL DWARA	YES	YES
67	DEHRADUN	DOIWALA	05050623802	GOVT. HIGH SCHOOL SHERGARH	YES	YES
68	HARIDWAR	BAHADARABAD	05130115501	G.H.S. RANSURA	YES	YES
69	HARIDWAR	BAHADARABAD	05130110302	G.H.S. PILIPADAW	YES	YES
70	HARIDWAR	BAHADARABAD	05130107503	G.H.S. RANI MAJRA	YES	YES
71	HARIDWAR	BAHADARABAD	05130106903	G.H.S. PATHARI GUJJAR BASTI	YES	YES
72	HARIDWAR	BAHADARABAD	05130112103	G.H.S. BHOWAPUR	YES	YES
73	HARIDWAR	BAHADARABAD	05130111103	G.H.S. TANDATEERA	YES	YES
74	HARIDWAR	BAHADARABAD	05130102107	G.H.S.GARHMEERPUR	YES	YES
75	HARIDWAR	BAHADARABAD	05130102308	G.H.S. ANNEKI	YES	YES
76	HARIDWAR	BHAGWAN PUR	05130209902	G.H.S. BADIWALA	YES	YES
77	HARIDWAR	BHAGWAN PUR	05130203107	G.H.S. SHAHABUDDINPUR CHAULLI	YES	YES
78	HARIDWAR	BHAGWAN PUR	05130208802	G.H.S. INAYATPUR	YES	YES
79	HARIDWAR	BHAGWAN PUR	05130205903	G.H.S. SIKANDARPUR BHAINSWAL	YES	YES
80	HARIDWAR	BHAGWAN PUR	05130201002	G.H.S. LAMGRANT	YES	YES
81	HARIDWAR	BHAGWAN PUR	05130203202	G.H.S. KHUBBANPUR	YES	YES
82	HARIDWAR	BHAGWAN PUR	05130209702	G.H.S. GANJA MANJRA	YES	YES
83	HARIDWAR	BHAGWAN PUR	05130205107	G.H.S. DHEERMAJRA	YES	YES
84	HARIDWAR	KHAN PUR	05130403001	G.I.C. PODOWALI	YES	YES
85	HARIDWAR	KHAN PUR	05130403402	G.H.S. BALAWALI	YES	YES
86	HARIDWAR	LAKSAR	05130505602	G.H.S. AKBAR PUR UD	YES	YES
87	HARIDWAR	LAKSAR	05130510511	G.H.S. KABOOLPUR RAI GHATI	YES	YES
88	HARIDWAR	LAKSAR	05130500405	G.H.S. MUBARIKPUR	YES	YES
89	HARIDWAR	NARSAN	05130711804	G.H.S. HARJOLLIJATT	YES	YES
90	HARIDWAR	NARSAN	05130703603	G.H.S. LIBBERHEDI	YES	YES
91	HARIDWAR	NARSAN	05130106002	G.H.S. NAGLA SALARO	YES	YES
92	HARIDWAR	NARSAN	05130701904	G.H.S. BIJHOLLI	YES	YES
93	HARIDWAR	ROORKEE	05130808305	G.H.S.AKBARPUR JHOJHA	YES	YES
94	NAINITAL	HALDWANI	05110413402	GIC KHURIYAKHATTA	YES	YES
95	NAINITAL	BHIMTAL	05110313102	GHS SALUYURA	YES	YES
96	NAINITAL	KOTABAG	05110501302	GHS DHAPLA	YES	YES
97	NAINITAL	KOTABAG	05110501702	GHS AMGADI	YES	YES
98	NAINITAL	KOTABAG	05110504102	GHS CHARATOK ANIYA	YES	YES
99	NAINITAL	OKHALKANNDA	05110606102	GHS SURANG	YES	YES
100	NAINITAL	OKHALKANNDA	05110608202	GHS GONIYARO	YES	YES
101	NAINITAL	OKHALKANNDA	05110608602	GHS KAKORGANJA	YES	YES
102	NAINITAL	OKHALKANNDA	05110608302	GHS BADON	YES	YES
103	NAINITAL	OKHALKANNDA	05110611402	GHS BHANPOKHRA	YES	YES
104	NAINITAL	RAMNAGAR	05110212902	GHS KWARAB	YES	YES
105	NAINITAL	RAMNAGAR	05110111233	GIC GULLARGHATTI	YES	YES
106	PAURI	THALISAIN	05061403001	GOVT.HIGH SCHOOL PALAN	YES	YES
107	PAURI	THALISAIN	05061405801	GOVT.HIGH SCHOOL TEELA	YES	YES
108	PAURI	DUGADDA	05060812601	GOVT.HIGH SCHOOL HARSHU	YES	YES
109	PAURI	RIKHANIKHAL	05061003002	GOVT.HIGH SCHOOL KANDA	YES	YES
110	PAURI	DUGADDA	05060810416	GOVT.HIGH SCHOOL SATTICHAUD	YES	YES
111	PAURI	DUGADDA	05060800202	GOVT.HIGH SCHOOL GRASTANGANJ	YES	YES

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Sl. No.	District	Block	School Code	School Name	Electricity	Computer Room
112	PAURI	DUGADDA	05060810702	GOVT.HIGH SCHOOL NALI	YES	YES
113	PAURI	THALISAIN	05061411101	GOVT.HIGH SCHOOL DEVDHAR	YES	YES
114	PAURI	YAMKESHWAR	05060906001	GOVT.HIGH SCHOOL KANDI	YES	YES
115	PAURI	YAMKESHWAR	05060903103	GOVT.HIGH SCHOOL TALLA BANAS	YES	YES
116	PAURI	THALISAIN	05061401301	GOVT.HIGH SCHOOL ANTAKHOLI	YES	YES
117	PAURI	YAMKESHWAR	05060907502	GOVT.HIGH SCHOOL SIGADDI	YES	YES
118	PAURI	DWARIKHAL	05061505604	GOVT.HIGH SCHOOL RAINS	YES	YES
119	PAURI	JAYHARIKHAL	05061210102	GOVT. INTER COLLEGE ADHARIYAKHAL	YES	YES
120	PAURI	KALJIKHAL	05060501403	GOVT. INTER COLLEGE KANSKHET	YES	YES
121	PAURI	PABAU	05060301002	GOVT.INTER COLLEGE CHOLoSAIN	YES	YES
122	PAURI	PAURI	05060104102	GOVT. INTER COLLEGE KALESHWAR	YES	YES
123	PAURI	PAURI	05060105005	GOVT GIRLS INTER COLLEGE PAIDUL	YES	YES
124	PAURI	THALISAIN	05061402402	GOVT INTER COLLEGE UFREKHAL	YES	YES
125	PAURI	THALISAIN	05061408601	GOVT INER COLLEGE PAITHAINI	YES	YES
126	PITHORAGARH	BIN	05070104501	G.G.H.S BAZETI	YES	YES
127	PITHORAGARH	BIN	05070105602	GHS GOGNA	YES	YES
128	PITHORAGARH	BIN	05070105702	GHS BHALYA	YES	YES
129	PITHORAGARH	BIN	05070109906	G H S NAINISAINI	YES	YES
130	PITHORAGARH	MOONAKOT	05070203902	GH SCHOOL DHURCHU	YES	YES
131	PITHORAGARH	MOONAKOT	05070210101	GHS MARR	YES	YES
132	PITHORAGARH	KANALICHHEENA	05070302202	G HS BARMOO	YES	YES
133	PITHORAGARH	KANALICHHEENA	05070305502	GHSS JAMTARI KUTA	YES	YES
134	PITHORAGARH	KANALICHHEENA	05070312902	G HS NVALI	YES	YES
135	PITHORAGARH	DIDIHAT	05070401803	G.H.S.S. SAANDEV	YES	YES
136	PITHORAGARH	DIDIHAT	05070405003	G.H.S.S. RANIKHET	YES	YES
137	PITHORAGARH	DIDIHAT	05070406803	G.H.S.KIRAOULI	YES	YES
138	PITHORAGARH	DIDIHAT	05070408802	G.H.S.S. HARARKATIYA	YES	YES
139	PITHORAGARH	DHARCHULA	05070507902	G.H.S.TOLI	YES	YES
140	PITHORAGARH	MUNSYARI	05070602102	G.I.C SAIN RATHEE	YES	YES
141	PITHORAGARH	MUNSYARI	05070605003	G.H.S.SERA	YES	YES
142	PITHORAGARH	BERINAG	05070705302	GHSS SUKLYARI	YES	YES
143	PITHORAGARH	BERINAG	05070709402	GHSS CHAUSALA	YES	YES
144	PITHORAGARH	BERINAG	05070713002	GHSS GADTIR	YES	YES
145	PITHORAGARH	GANGOLIHAT	05070803902	G G H S NALIBEL	YES	YES
146	PITHORAGARH	GANGOLIHAT	05070805002	GH SCHOOL BATGERI	YES	YES
147	RUDRAPRAYAG	AUGUSTMUNI	05030105002	GHS KAMOLDI	YES	YES
148	RUDRAPRAYAG	AUGUSTMUNI	05030110503	GHS KWEELI - KURJHAN	YES	YES
149	RUDRAPRAYAG	AUGUSTMUNI	05030204301	GHS POOLAN BANGAR	NO	YES
150	RUDRAPRAYAG	AUGUSTMUNI	05030204602	GHS GAITHANA	YES	YES
151	RUDRAPRAYAG	AUGUSTMUNI	05030208602	GHS KIRODA	YES	YES
152	RUDRAPRAYAG	AUGUSTMUNI	05030305303	GHS TULANGA	NO	YES
153	RUDRAPRAYAG	AUGUSTMUNI	05030308802	GHS JAL TALLA	NO	YES
154	TEHRI GARHWAL	BHILANGANA	05040100705	GHS DONI	NO	YES
155	TEHRI GARHWAL	BHILANGANA	05040103602	GHS KOTHIYADA	YES	YES
156	TEHRI GARHWAL	BHILANGANA	05040116203	GHS ROUNSAL	YES	YES
157	TEHRI GARHWAL	BHILANGANA	05040120005	GHS HOLTA	YES	YES
158	TEHRI GARHWAL	BHILANGANA	05040128801	GHS KANGDA KEMAR	YES	YES
159	TEHRI GARHWAL	CHAMBA	05040216603	GHS BANALI	NO	YES
160	TEHRI GARHWAL	DEVPRAYAG	05040315603	GHS DUROGEE	NO	YES
161	TEHRI GARHWAL	JAKHNIDHAR	05040405403	GHS LAMRIDHAR	NO	YES
162	TEHRI GARHWAL	JAKHNIDHAR	05040412402	GIC KAFLOG	YES	YES
163	TEHRI GARHWAL	JOUNPUR	05040500803	GHS KANDAJAKH	YES	YES
164	TEHRI GARHWAL	JOUNPUR	05040505702	GHS JOGIYADA	NO	YES
165	TEHRI GARHWAL	JOUNPUR	05040506105	GHS DHANOLTI	NO	YES
166	TEHRI GARHWAL	JOUNPUR	05040514802	GHS DUBDA	YES	YES
167	TEHRI GARHWAL	JOUNPUR	05040520804	GIC ROUTU KI BELI	YES	YES
168	TEHRI GARHWAL	JOUNPUR	05040521906	GHS RINGALGARH	YES	YES
169	TEHRI GARHWAL	KEERTINAGAR	05040601303	GHS KAPROLI	NO	YES
170	TEHRI GARHWAL	NARENDRANAGAR	05040719503	GHS LOYAL	NO	YES
171	TEHRI GARHWAL	THOULDHAR	05040903203	GHS KOTI MAHRO KEE	NO	YES
172	TEHRI GARHWAL	THOULDHAR	05040903603	GHS KOUSHAL	NO	YES
173	TEHRI GARHWAL	THOULDHAR	05040912603	GHS KANDARGAON	NO	YES
174	TEHRI GARHWAL	THOULDHAR	05040919102	GHS BHAMORIKHAL	NO	YES
175	U.S. NAGAR	KASHIPUR	05120500207	G.H.S. DHAKIYA N01	YES	YES
176	U.S. NAGAR	KASHIPUR	05120502502	G.H.S. SHIVLALPUR AMAR JHANDA	YES	YES
177	U.S. NAGAR	SITARGANJ	05120608302	G.H.S. GOVINDPUR	YES	YES
178	U.S. NAGAR	KHATIMA	05120405702	G.H.S. BIGRABAG	YES	YES
179	U.S. NAGAR	BAZPUR	05120705202	GOV. HS RATANPURA	YES	YES
180	U.S. NAGAR	GADARPUR	05120107301	GOVT. HS FATEHGANJ	YES	YES
181	U.S. NAGAR	GADARPUR	05120106102	GOVT. HS PIPALIYA N01	YES	YES
182	U.S. NAGAR	JASPUR	05120309401	GOVT H.S TIRATH	YES	YES
183	U.S. NAGAR	JASPUR	05120306602	GOVT HS MISSARWALA	YES	YES
184	U.S. NAGAR	JASPUR	05120303702	GOVT. HS PATRAMPUR	YES	YES
185	U.S. NAGAR	KASHIPUR	05120503702	GOVT. HS MANPUR	YES	YES

Sl. No.	District	Block	School Code	School Name	Electricity	Computer Room
186	U.S. NAGAR	KHATIMA	05120406604	GOVT HS MAJHOLA	YES	YES
187	U.S. NAGAR	KHATIMA	05120407906	GOVT. HS SARPURA	YES	YES
188	U.S. NAGAR	KHATIMA	05120402102	GOVT. HS SISAIYA	YES	YES
189	U.S. NAGAR	KHATIMA	05120406602	GOVT. HS VIRIYA MAJHOLA	YES	YES
190	U.S. NAGAR	RUDRAPUR	05120205302	GOVT. HS PANTPURA	YES	YES
191	U.S. NAGAR	RUDRAPUR	05120202002	GOVT. HS DEVARIYA	YES	YES
192	U.S. NAGAR	RUDRAPUR	05120207202	GOVT. HS SHAHDOURA	YES	YES
193	U.S. NAGAR	SITARGANJ	05120606003	GHS. HS BARKIDANDI NAGLA	YES	YES
194	U.S. NAGAR	SITARGANJ	05120606502	GOV. HS BIDAURI	YES	YES
195	U.S. NAGAR	SITARGANJ	05120609702	GOVT HS RAJNAGAR RATAN FARM 3	YES	YES
196	U.S. NAGAR	SITARGANJ	05120608105	GOVT. H.S SARKARA	YES	YES
197	U.S. NAGAR	KHATIMA	05120402206	G.H.S. BAGULIYA	YES	YES
198	U.S. NAGAR	KHATIMA	05120402702	G.H.S SANTANA	YES	YES
199	U.S. NAGAR	GADARPUR	05120103702	G.H.S. MIDANAPUR	YES	YES
200	U.S. NAGAR	KASHIPUR	05120500903	G.H.S. GULJARPUR	YES	YES
201	UTTARKASHI	BHATWARI	05010101303	GHS RAIHAL	YES	YES
202	UTTARKASHI	DUNDA	05010309703	GHS UDARI	YES	YES
203	UTTARKASHI	DUNDA	05010304103	GHS ID DHANARI	YES	YES
204	UTTARKASHI	DUNDA	05010306703	GHS PATARA	YES	YES
205	UTTARKASHI	CHINYALISAUR	05010204604	GHS KANDAI INDRA	YES	YES
206	UTTARKASHI	CHINYALISAUR	05010207308	GHS GHS TULYARA	YES	YES
207	UTTARKASHI	CHINYALISAUR	05010209304	GIC DICHALI	YES	YES
208	UTTARKASHI	CHINYALISAUR	05010204803	GHS KANSI	YES	YES
209	UTTARKASHI	CHINYALISAUR	05010202503	GHS GARATH	YES	YES
210	UTTARKASHI	CHINYALISAUR	05010208504	GHS GADWALGAD	YES	YES
211	UTTARKASHI	NAUGAON	05010515504	GHS GAATU	YES	YES
212	UTTARKASHI	NAUGAON	05010506003	GHS SYALAB	YES	YES
213	UTTARKASHI	NAUGAON	05010516703	GHS OED GAON	YES	YES
214	UTTARKASHI	NAUGAON	05010519901	GHS SYANACHATTI	YES	YES
215	UTTARKASHI	NAUGAON	05010507907	GHS NAGANGAON	YES	YES
216	UTTARKASHI	PUROLA	05010600104	GHS KANTARI	YES	YES

Proposal for non-recurring grant @ Rs. 6.40 lakhs per school and recurring grant @ Rs. 2.10 lakhs and 01 computer teacher for each school is proposed under the GOI norms for these schools. **Total 1382.40 lakhs** for non-recurring grant is proposed in year 2015-16.

State Government also proposed 01 computer teacher in those schools who were sanctioned under ICT scheme in previous years. Such 625 schools are proposed for 01 computer teacher as per GOI norms. Only 06 months salary is proposed for these teachers @ Rs. 35,000.00 per month. The district-wise detail is as follows:

S.No.	District	No. Schools
1	UTTARKASHI	49
2	ALMORA	61
3	BAGESHWAR	16
4	CHAMOLI	52
5	CHAMPAWAT	21
6	DEHRADUN	58
7	HARDWAR	27
8	NAINITAL	68
9	PAURI	89
10	PITHORAGARH	48
11	RUDRAPRYAG	27
12	TEHRI GARHWAL	68
13	U.S.NAGAR	41
Total		625

Chapter - 11

Community Participation, Mobilisation and SMDC Planning for Implementation

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 Panchayat 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 & Counselling, 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

In accordance with the GOI guidelines in the secondary school where classes VI – VIII are running with secondary classed SMC constituted in reference of RTE is also working as SMDC. So only in 228 secondary & higher secondary schools SMDC have been constituted.

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.

Proposal for 2015-16

The community members will be sensitized through 02 days training at school level. The module and the state level Master Trainer for the training will be developed at state level after exploring training need analysis with the help of State Resource Group (SRG) and SIEMAT faculty. The reference book "Abhyudaya" revised in the year 2014-15 will also be beneficial in the SMDC training.

The state level master trainer will develop district level master trainers. The district level master trainer training will be held at district level. The district level master trainer will develop school level master trainer. The school level master trainer training will be held at district/block level. These school level master trainers will execute the training at school level in the month of October 2015.

Table 11.1 Proposal for SMDC Training 2015-16

S.No.	Districts	No. of Schools	Physical (No. of SMDC Members)	Unit cost (in lakh)	Total Amount (in lakh)
1	Almora	3	60	0.006	0.36
2	Bageshwar	0	0	0.006	0.00
3	Chamoli	0	0	0.006	0.00
4	Champawat	7	140	0.006	0.84
5	Dehradun	51	1020	0.006	6.12
6	Haridwar	3	60	0.006	0.36
7	Nainital	1	20	0.006	0.12
8	Pauri	9	180	0.006	1.08
9	Pithoragarh	5	100	0.006	0.60
10	Rudraprayag	11	220	0.006	1.32
11	Tehri	77	1540	0.006	9.24
12	U.S. Nagar	3	60	0.006	0.36
13	Uttarkashi	58	1160	0.006	6.96
Total		228	4560	0.006	27.36

Financial Requirement

An amount of Rs. 27.36 Lakhs is required for this activity.

Chapter - 12

Financial Management and Budget Estimates

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.

12.1 With in the State

A separate bank account has been maintained by all district project offices and School Management and Development Committee (SMDCs). 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 day-wise, head-wise, month-wise expenditure periodically. Monthly review will be organized by the state to assess the level of performance.

12.2 Transparency and Accountability

12.2.1 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.

Month-wise 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.

12.2.2 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.

12.2.3 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.

12.2.4 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.

12.2.5 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.

12.1 District-wise Budgetary Proposal for 2015-16

Rs. In lakhs

S. No.	District	Fresh Proposal for 2015-16				Total	Total Spill Over	Grand Total (Fresh + Spill over)
		Non Recurring	% Non Recurring	Recurring	% Recurring			
1	Almora	2034.18	49.38%	2085.52	50.62%	4119.70	1124.14	5243.84
2	Bageshwar	860.34	41.69%	1203.25	58.31%	2063.59	244.64	2308.23
3	Chamoli	541.46	24.80%	1642.04	75.20%	2183.50	740.03	2923.53
4	Champawat	457.63	27.24%	1222.40	72.76%	1680.03	171.66	1851.69
5	Dehradun	953.52	32.67%	1964.77	67.33%	2918.29	1490.14	4408.43
6	Haridwar	1351.96	42.40%	1836.36	57.60%	3188.32	798.93	3987.25
7	Nainital	645.47	32.54%	1338.03	67.46%	1983.50	693.81	2677.31
8	Pauri	1369.17	44.47%	1709.60	55.53%	3078.77	897.47	3976.24
9	Pithoragarh	820.01	28.82%	2025.50	71.18%	2845.51	1115.45	3960.96
10	Rudraprayag	782.80	51.92%	724.79	48.08%	1507.59	639.39	2146.98
11	Tehri	1175.50	37.63%	1948.58	62.37%	3124.08	658.25	3782.33
12	US Nagar	1406.73	42.64%	1891.99	57.36%	3298.72	658.38	3957.10
13	Uttarkashi	662.11	33.41%	1319.85	66.59%	1981.96	1254.32	3236.28
	State Component	0.00	0.00%	942.05	100.00%	942.05	0.00	942.05
	Uttarakhand	13060.88	37.41%	21854.73	62.59%	34915.61	10486.61	45402.22

12.2 Activity-wise Budgetary Proposal for 2015-16

S. No.	Activities	Spill over Proposal	Fresh			Total (Fresh+ spill over)
			Proposal for 2015-16			
			Fin	Unit Cost	Phy	
A	Non recurring					
1	New Schools					
1.01	1 section school	1111.96	0.00000	7	955.22	2067.18
1.02	2 section school	423.78	0.00000	2	317.63	741.41
	Sub total	1535.74		9	1272.85	2808.59
2	Strengthening of existing Govt schools (153 Schools)					
2.01	Additional Classroom	0.00	0.00000	134	0.00	0.00
2.02	Integrated Science Lab	0.00	0.00000	88	0.00	0.00
2.03	Lab equipments	100.00	1.00000	88	88.00	188.00
2.04	Computer Room	0.00	0.00000	114	0.00	0.00
2.05	Library	0.00	0.00000	139	0.00	0.00
2.06	Art and Craft room	0.00	0.00000	135	0.00	0.00
2.07	Toilet block	0.00	0.00000	2	0.00	0.00
2.08	Water facility	0.00	0.00000	0	0.00	0.00
2.09	Ramps / railings	0.00	0.00000	0	0.00	0.00
2.10	Conversion of existing toilets for CWSN	0.00	0.00000	0	0.00	0.00
2.11	Toilets for CWSN	0.00	0.00000	0	0.00	0.00
2.12	Repair & Reconstruction of School Building due to Disaster	152.00	0.00000	0	0.00	152.00
	Sub total	7623.21			10000.63	17623.84
3	Other Civil works					
3.01	Teacher quarters	0.00	0.00000	0	0.00	0.00
3.02	Major repair for Govt school	0.00	0.00000	0	0.00	0.00
	Subtotal	0.00			0.00	0.00
4	Girls Hostel					
4.01	New Hostels	973.36	0.00000	0	0.00	973.36
4.02	Others	0.00	0.00000	0	0.00	0.00
	Sub total	973.36			0.00	973.36
5	ICT @school					
5.01	Hardware and others support	0.00	6.40000	216	1382.40	1382.40
	Sub total	0.00			1382.40	1382.40
6	VE in schools					
6.01	Workshop / Laboratory	0.00	10.00000	0	0.00	0.00
6.02	Tools, Equipments and furniture	341.00	10.00000	37	370.00	711.00
	Sub total	341.00			370.00	711.00
7	Other Non recurring					
7.01	Equipments and strengthening of Block resource centre for CWSN	13.30	0.70000	50	35.00	48.30
7.02	Support to Training institutes/ NGOs	0.00	0.00000	0	0.00	0.00
		13.30			35.00	48.30
	TOTAL Non recurring	10486.61			13060.88	23547.49
B	Recurring					
	Teacher related					
9	Staff for new school					
9.01	Head Master		0.60000	9	32.40	32.40
9.02	Subject teacher		0.50000	45	135.00	135.00
	Sub total				167.40	167.40
10	Staff for new schools sanctioned in previous years (2009-2015)					
10.01	Head Master		0.60000	271	1951.20	1951.20
10.02	Subject teacher		0.50000	1517	9102.00	9102.00
10.03	Support for 'Lab Attendant		0.12000	2037	2933.28	2933.28

S. No.	Activities	Spill over Proposal	Fresh Proposal for 2015-16			Total (Fresh+ spill over)
			Fin	Unit Cost	Phy	
10.04	Support for office Assistant'		0.12000	271	390.24	390.24
	Sub total				14376.72	14376.72
11	Additional staff for existing schools (2015-16)					
11.01	Subject teacher		0.50000	0	0.00	0.00
11.02	Computer Teachers for new schools for ICT		0.50000	216	648.00	648.00
	Sub total				648.00	648.00
12	Additional staff for existing schools sanctioned till 2014-15					
12.01	Subject teacher		0.00000	0	0.00	0.00
12.02	Computer Teachers for schools for ICT covered		0.00000	0	0.00	0.00
	Sub total				0.00	0.00
13	Teachers/ RPs for VE					
13.01	Flexible Pool for engaging resource persons		7.25000	81	587.25	587.25
	Sub total				587.25	587.25
14	Teacher Training					
14.01	In-service training for existing teachers including teaching HMs		0.03000	6924	207.72	207.72
14.02	Training for new teachers		0.03000	1000	30.00	30.00
14.03	Training of KRPs		0.03000	72	2.16	2.16
14.04	Training of Master Resource Persons		0.03000	375	11.25	11.25
14.05	Training of SRG members for School leadership training programme		0.01000	50	0.50	0.50
14.06	Professional Development Program of Head Master		0.04800	225	10.80	10.80
14.07	Training to special education teachers		0.00000	0	0.00	0.00
14.08	Induction Training For Teachers/Skill Trainers		0.22000	81	17.82	17.82
14.09	In service Training of Teachers/Skill Trainers		0.00000	0	0.00	0.00
14.10	Other Training 2		0.00000	0	0.00	0.00
	Sub total				280.25	280.25
15	School Grant					
15.01	School Grant		0.50000	2187	1093.50	1093.50
15.02	School grant for schools implementing ICT		2.70000	216	583.20	583.20
15.03	Grant to schools implementing VE for Raw Materials, maintenance of tools etc		0.70000	81	56.70	56.70
15.04	Office Expenses/ Contingencies for VE		1.00000	81	81.00	81.00
	Sub total				1814.40	1814.40
16	Minor Repair					
16	Minor Repair (Gov. Schools)		0.25000	1815	453.75	453.75
	Sub total				453.75	453.75
	Student oriented Activities					
17	Recurring grant to GH					
17.01	Fooding/lodging for girls (12 months)		0.01500	691	124.38	124.38
17.02	Honorarium of warden		0.05000	19	11.40	11.40
17.03	Chowkidar		0.05000	19	11.40	11.40
17.04	1 Head Cook and 2 Astt. Cook		0.05000	57	34.20	34.20

S. No.	Activities	Spill over Proposal	Fresh Proposal for 2015-16			Total (Fresh+ spill over)	
			Fin	Unit Cost	Phy	Fin	Fin
			17.05	Electricity / Water per year		0.05000	19
17.06	Maintenance per year		0.40000	19	7.60	7.60	
17.07	Medical care per year per girl		0.00750	691	5.18	5.18	
17.08	Toiletries and sanitation per month per girl		0.00100	691	8.29	8.29	
17.09	News paper / Magazines and sports per month		0.02000	19	4.56	4.56	
17.10	Miscellaneous		0.40000	19	7.60	7.60	
17.11	Other Activity		0.00000	0	0.00	0.00	
	Sub total Recurring				215.56	215.56	
18	Student oriented Activities for CWSN		0.10000	1570	157.00	157.00	
19	Hands on skill training to students (no. of VE schools)		0.37500	81	30.38	30.38	
20	Cost of Assessment and Certification (no. of VE schools)		0.30000	81	24.30	24.30	
	Sub total				211.68	211.68	
21	Community mobilisation						
21.01	Training of SMDC members		0.00600	4560	27.36	27.36	
21.02	Orientation of Principals, Educational administrators, parents / guardians etc		0.00000	2185	0.00	0.00	
21.03	Environment Building programme		0.10000	95	9.50	9.50	
	Sub total				36.86	36.86	
	Project based proposals						
22	Learning Level Assessment						
22.01	Assessment Tools		0.00070	122063	85.44	85.44	
22.02	Leaning Materials		0.00000	0	0.00	0.00	
	Sub total				85.44	85.44	
23	Unnati						
23.01	Honorarium of Instructor		0.18000	947	511.38	511.38	
23.02	Learning Materials (no. of children)		0.00200	89306	178.61	178.61	
23.03	Monitoring Evaluation & Assessment (no. of schools)		0.00200	947	1.89	1.89	
	Sub total				691.89	691.89	
24	Promotion of Science						
24.01	Science Exhibition		1.00000	13	13.00	13.00	
24.02	Science Kit		0.07500	2185	163.88	163.88	
	Sub total				176.88	176.88	
25	Girls Oriented Activity						
25.01	Self Defence and Yoga		0.09000	164	14.76	14.76	
	Sub total				14.76	14.76	
26	SC, ST & Minority Oriented Activities						
26.01	Special Teaching for SC, ST & Minority Children for class X		0.01500	4251	63.77	63.77	
26.02	Promotion of Art and Craft		0.20000	194	38.80	38.80	
	Sub total				102.57	102.57	
27	Student Excursion Visit		0.00200	122063	244.13	244.13	
28	Orientation of Stake Holders (Khula Munch)		0.03000	2185	65.55	65.55	
29	Sports Equipment		0.20000	95	19.00	19.00	
30	MMER				1662.65	1662.65	
	TOTAL Recurring				21854.73	21854.73	
	Total (Non recurring + recurring)	10486.61			34915.61	45402.22	