

Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad



Integrated Annual Work Plan & Budget (AWP&B) 2016-2017



पढ़े चलो, बढ़े चलो

RASHTRIYA MADHYAMIK SHIKSHA ABHIYAN

**State Project Office, RMSA Uttarakhand
Nanoorkhera, Tapovan Marg, Dehradun (Uttarakhand)
Website: <http://rmsa.uk.gov.in/>, E-mail: rmsauk@gmail.com**

Planning Team, Uttarakhand

Mrs. Ranjana (IAS)	State Project Director, RMSA
Mrs. Shashi Chaudhary	Additional SPD, RMSA
Mrs. Amita Joshi	Finance Controller, RMSA
Mr. H.P. Vishwakaram	Joint SPD, RMSA
Mr. Avnindra Barthwal	Astt. SPD, Innovative, RMSA
Dr. M.S. Bisht	Astt. SPD, Planning, RMSA
Dr. S.S. Majila	Astt. SPD, Academic, RMSA
Mr. Sanjeev Joshi	Astt. SPD, SEMIS, RMSA
Mr. Vinod Kumar Khali	Astt. Account Officer, RMSA

Support

Mr. Sanjay Bhatt	Administrative Officer, RMSA
Er. S.M.S. Rawat	Executive Engineer, RMSA
Er. Man Mohan Madan	Assistant Engineer, RMSA
Mr. B.M.S. Rawat	Accountant, RMSA

Computerisation

Mr. Sumit Tiwari	Computer Operator
Mr. Mahendra Kumar	Computer Operator
Mrs. Geeta Rawat	Computer Operator

Acknowledgments

The Integrated Annual plan of Uttarakhand for Rashtriya Madhyamik Shiksha Abhiyan, IEDSS, ICT@School, Girls Hostel & Vocational Education prepared after a long series of workshop with District Officials, SCERT, SIEMAT, Board and Educationists. The U-DISE data entry done through U-DISE software at district level and the analysis of U-DISE data done at State level as well as at district level. Each and every secondary school is recorded under U-DISE.

The RMSA Team of Uttarakhand has benefited from the guidance and help of a number of people with great conviction in quality education, Officers, Consultants, Experts and Resource Persons. Herein we place on record our sincere thanks to the support of all those persons.

MHRD's guidelines have been very helpful to the RMSA team of Uttarakhand. We are greatly indebted to the MHRD, *Mr. S.C. Khuntiya, Secretary MHRD, School Education and Literacy, Mr. Manish Garg, Joint Secretary, Mrs. Nigar Fatima Husain, Director, RMSA*, other Directors and Officials of GOI and Consultant, TSG for their valuable guidance and support.

We are grateful to the *Mr. Shatrughan Singh, Chief Secretary* who encouraged the School Education Department to meticulously prepare the Uttarakhand Integrated Annual Plan based on authentic U-DISE data 2015-16. We are greatly indebted to *Mr. D. Senthil Pandiyan, Secretary, Secondary Education, Govt. of Uttarakhand* who consistently evinced keen interest in the development of the Framework and gave valuable suggestions for accelerating the planning process.

The present Integrated Annual plan of Uttarakhand for expanding Secondary Education in the state is an outcome of a series of workshops involving State Educational Administrators and District officers led by *Mrs. Ranjana, IAS, State Project Director, RMSA, Uttarakhand* at the State level. We record our thanks for their guidance and to the support of SIEMAT & SCERT, Education Board Uttarakhand, SPO (SSA) Uttarakhand, DIET faculty members and Head Masters/Principals in identifying quality interventions in Secondary Education.

We are grateful to national experts from NUEPA *Dr. Zaidi, Dr. Arun C. Mehta, Dr. Mohanty and Dr. Biswal*, who guided the State RMSA team to evolve district level plans for universalisation of Secondary Education in the state. We also thank *Mr. R.K. Kunwar, Director, Secondary Education Uttarakhand, Mrs. Seema Jaunsari, Director, Elementary Education and Dr. Kusum Pant, Director, Academic, Research & Training* for their contribution in the preparatory phases.

**RMSA Team
Uttarakhand**

Contents

Chapter	Particulars	Page No.
1.	State Profile	1 – 12
2.	Implementation Status	13 – 50
3.	Sector Diagnosis - Current Status, Challenges and Priorities	51 – 77
4.	Planning Process	78 – 84
5.	Access	85 – 89
6.	Equity and Social Inclusion	90 – 97
7.	Inclusive Education for Children with Special Needs	98 – 108
8.	Quality Improvement	109 – 136
9.	Vocationalisation	138 – 147
10.	School Infrastructure and Strengthening of Secondary and Higher Secondary Education	148 – 164
11.	Community Participation, Mobilisation and SMDC Planning for Implementation	165 – 167
12.	Financial Management and Budget Estimates	167 – 170

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.
--	---

Source: Department of Panchayat, Government of Uttarakhand and district annual work plan

The Population of the state is 1,01,16,752 according to census of 2011 and an average density of 189 person/sq.km. in year 2011. The overall sex ratio in Uttarakhand is 963 female per 1000 male. The highest sex ratio is in District Almora i.e. 1142 and lowest is in Haridwar i.e. 879. Population density in the 13 districts of the State varies from a high of 817 per sq. km. in Haridwar to a low of 41 per sq. km. in Uttarkashi. Different districts also recorded diverse population growth rates during the decade 2001-2011, from a strong 33.40% in Udham Singh Nagar to practical stagnation at -1.73% in Almora. As per census 2001 the SC comprises of 18.01% and ST of 2.09% in the whole population. The main tribes of Uttarakhand are Bhotia, Jaunsari, Bouksa and Tharu. They are mainly resite in Pithoragarh, Dehradun, Nainital and Udham Singh nager.

Table 1.2 Population figures at a glance

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

Source: Census 2011

Table 1.3 DISTRICT-WISE POPULATION AS PER CENSUS 2001

Sl. No.	District	Area	Population according to Census 2001								
			All Communities			Scheduled Castes			Scheduled Tribes		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10	11	12
1	Almora	Rural	263,128	312,934	576,062	63,190	68,940	132,130	255	233	488
		Urban	30,720	23,785	54,505	4,354	3,946	8,300	206	184	390
		Total	293,848	336,719	630,567	67,544	72,886	140,430	461	417	878
2	Bageshwar	Rural	114,199	127,460	241,659	30,984	31,941	62,925	746	873	1,619
		Urban	4,311	3,492	7,803	825	774	1,599	153	171	324
		Total	118,510	130,952	249,462	31,809	32,715	64,524	899	1,044	1,943
3	Chamoli	Rural	154,197	165,459	319,656	29,338	29,677	59,015	3,688	4,042	7,730
		Urban	29,548	21,155	50,703	4,653	3,871	8,524	1,395	1,359	2,754
		Total	183,745	186,614	370,359	33,991	33,548	67,539	5,083	5,401	10,484
4	Champawat	Rural	92,816	97,948	190,764	16,882	16,687	33,569	296	277	573
		Urban	18,268	15,510	33,778	2,409	2,120	4,529	89	78	167
		Total	111,084	113,458	224,542	19,291	18,807	38,098	385	355	740
5	Dehradun	Rural	315,305	288,096	603,401	48,843	43,190	92,033	49,435	45,475	94,910
		Urban	364,278	314,464	678,742	43,082	38,333	81,415	2,487	1,932	4,419
		Total	679,583	602,560	1,282,143	91,925	81,523	173,448	51,922	47,407	99,329

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.



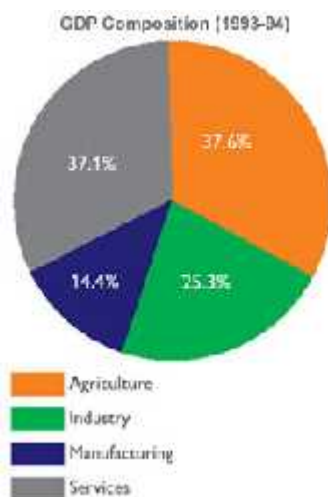
1.3 Economic Condition

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.

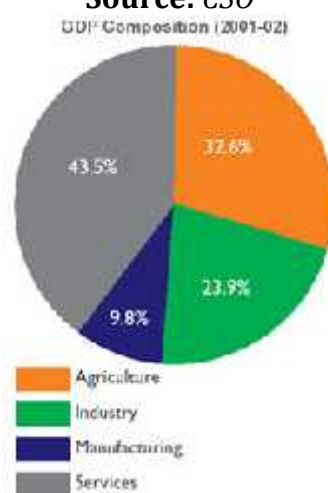
Inadequate production in the agricultural fields, increase in population, increasing demand on natural resources and lack of alternative employment opportunities within Uttarakhand together are responsible for out-migration of the men-folk from the villages to cities within State and outside. In the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

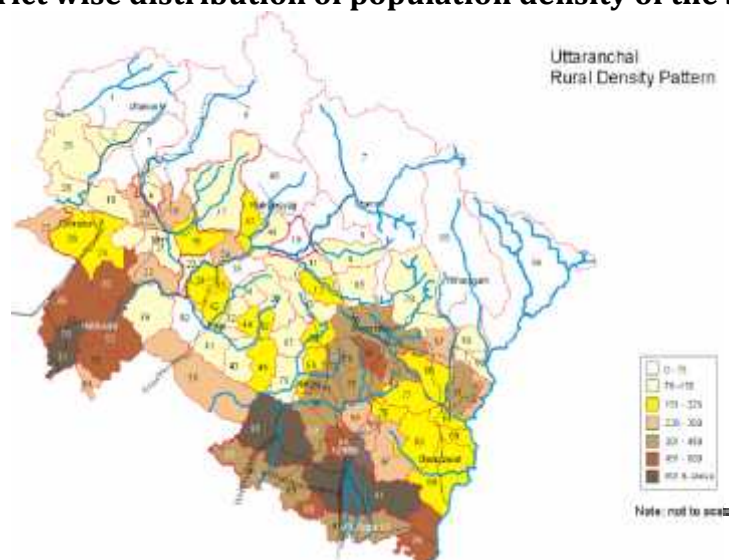
1.5 Infrastructure

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 Rudrapur 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, Rudrapur, 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
Rudrapur	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

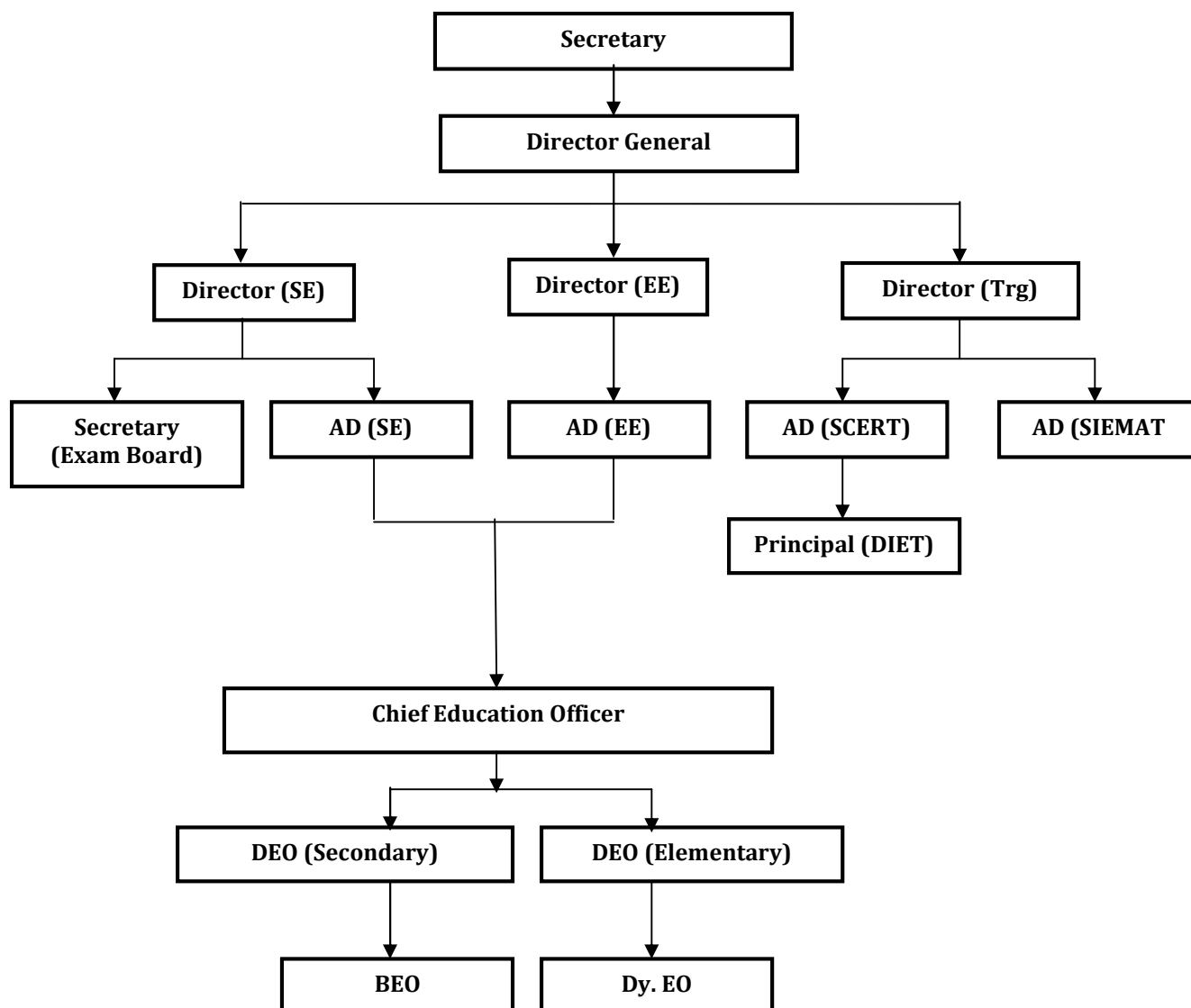
1.10 Statistical Profile

Table 1.11 Total Schools: All Management

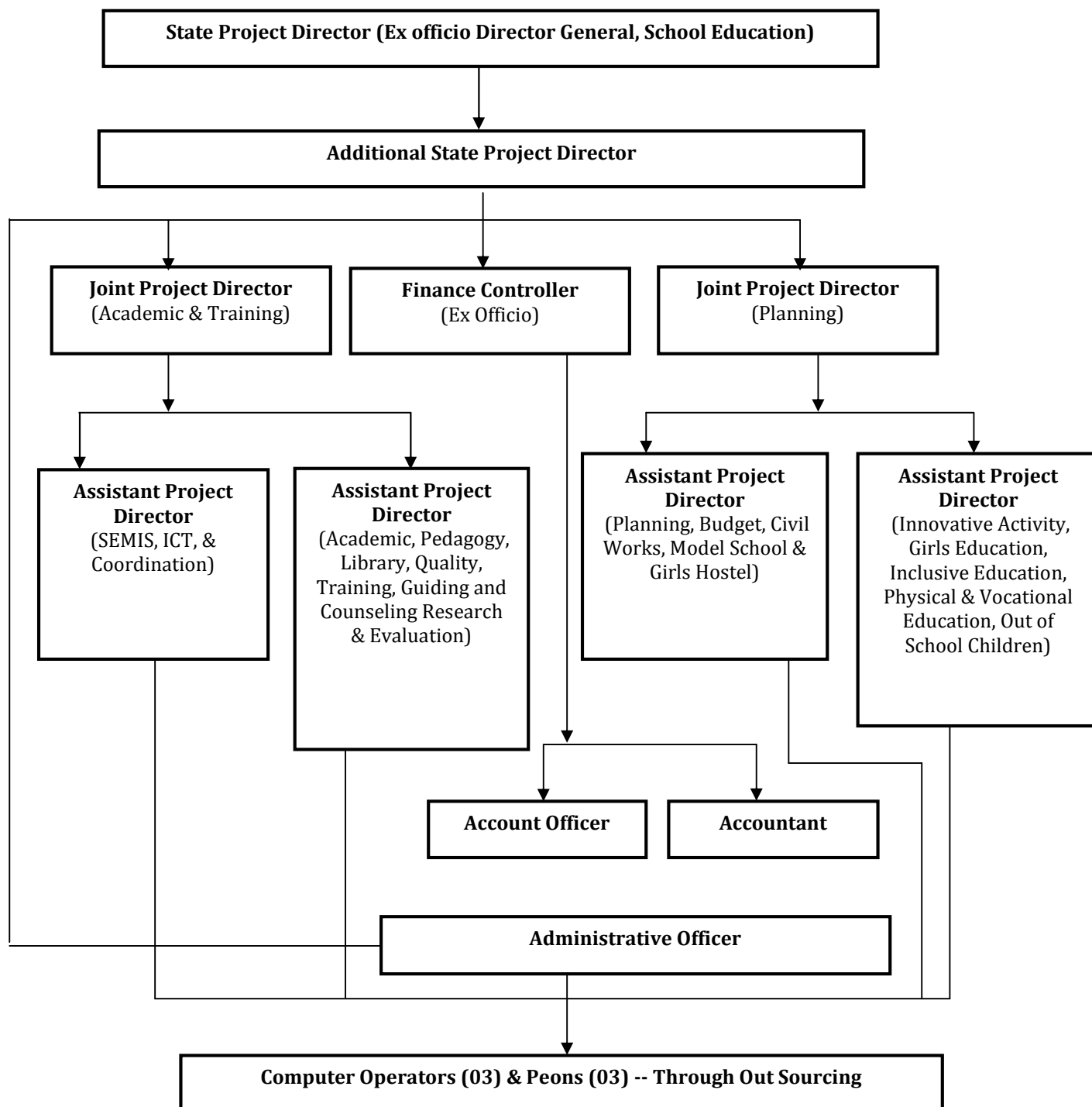
Sl. No.	District	No. of Schools with Class I to X	No. of Schools with Class I to XII	No. of Schools with Class V/VI to X	No. of Schools with Class VI to XII	No. of Schools with Class VIII/IX to X	No. of Schools with Class VIII/IX to XII	No. of Schools with Class XI to XII	Total School
1	ALMORA	1	24	116	192	1	1	0	335
2	BAGESHWAR	1	3	41	74	0	1	0	120
3	CHAMOLI	9	5	88	130	12	8	2	254
4	CHAMPAWAT	5	8	50	65	4	6	0	138
5	DEHRADUN	45	179	56	113	47	21	1	462
7	HARDWAR	25	64	46	70	29	21	4	259
8	NAINITAL	15	66	83	141	1	1	1	308
6	PAURI	5	26	135	243	7	5	0	421
9	PITHORAGARH	11	17	95	133	4	2	0	262
10	RUDRAPRAYAG	3	5	35	84	8	13	0	148
11	TEHRI	5	6	52	189	64	12	0	328
12	U.S.NAGAR	31	79	91	96	13	10	7	327
13	UTTARKASHI	8	5	7	70	45	15	0	150
State Total		164	487	895	1600	235	116	15	3512

Source U-DISE 2015-16

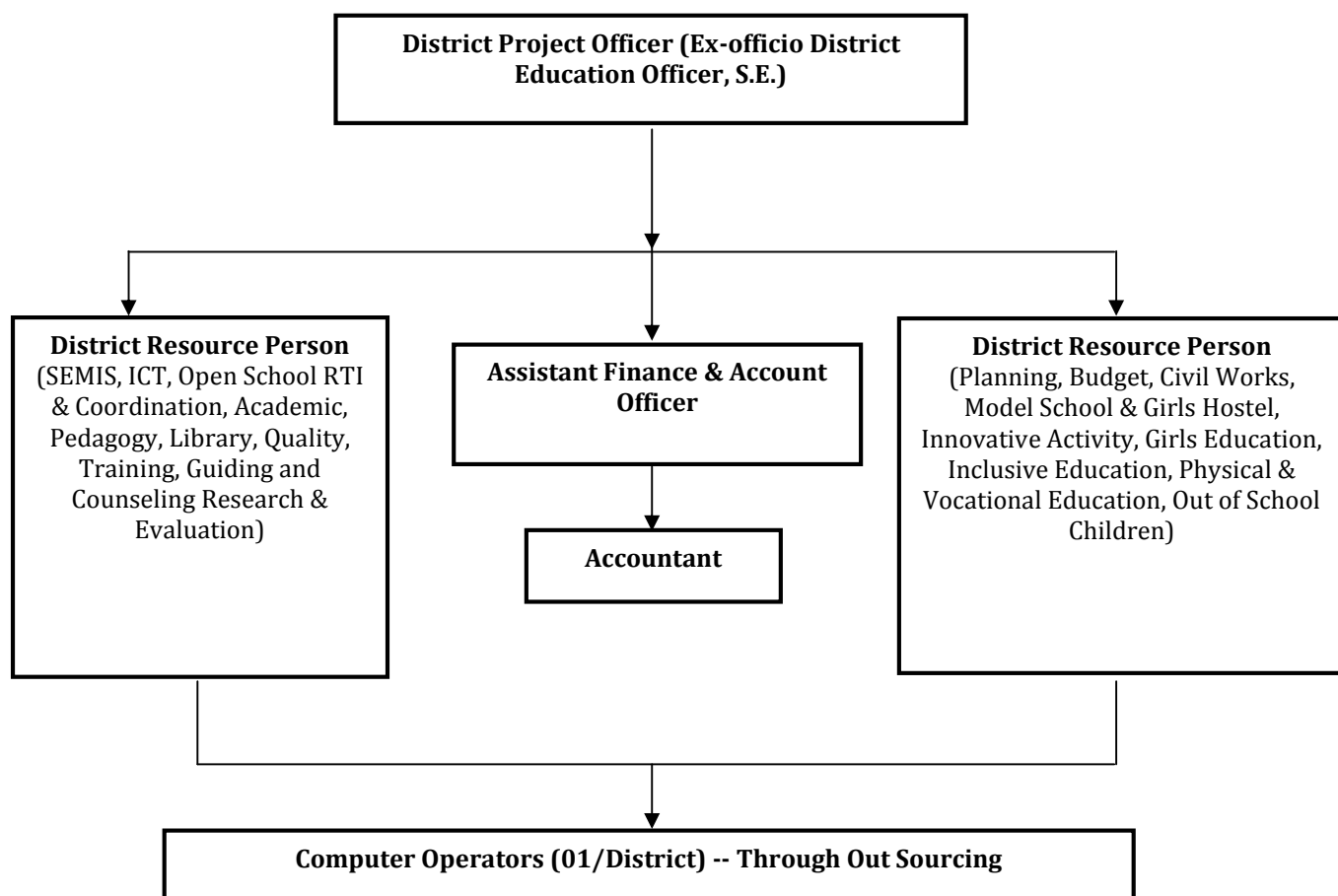
Organisational Structure of Department of School Education, Uttarakahnd



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



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



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 are following:

Table 2.1 State Norms of Different Activity

S.No.	Activity	State Norms
1.	Opening of New School or Up-gradation of school	As per RMSA norms. Norms are relaxed for hilly terrain and SC, ST & Minority dominated areas.
2.	Teacher Recruitment	<p>There is three ways of teacher recruitment at secondary level in Uttarakhand.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p> <p>Principal/Head master of secondary school are through 100% promotion post from secondary level teacher.</p>
3.	Lab & Office Attendant Appointment	Through Out sourcing Agency.
4.	Deployment of Teaching and Non Teaching Staff	01 Head Master and 07 Assistant Teacher of core subjects i.e. Hindi, English, Maths, Science, Social Study, Physical Education & 01 Optional Subject, 01 Office Assistant, 01 IV-Class Staff.
5.	Civil Works	As per RMSA norms.
6.	Civil Work Unit Cost	As per DSR and Cost Index of North Zone-IV according to CPWD letter no. 22(1)cost index/1443 dated 27/08/2015.
7.	Girls Hostel Furniture	As per present market rate.
8.	Teacher Salary	<p>As per recommendation of Central Pay Commission, according to 6th Pay Commission average monthly salary of :</p> <ol style="list-style-type: none"> 1. Head Master : Rs. 70,000/- 2. Assistant Teacher : Rs. 55,000/-
9.	Honorarium of Lab & Office Attendant	Monthly Honorarium of Lab Attendant & Office Attendant is Rs. 15,000/-
10.	Honorarium of Out Source Employee in Girls Hostel	As per State Minimum wages Rs. 5,000/- per month.

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 Andh 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.

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 are designed as earthquake resistant and fitted with basic fire safety equipments. Efforts also be made to design the buildings with provision for solar energy generation, use of solar cooker and biogas & rainwater harvesting. There is provision for CWSN. State Government nominated State Irrigation Department as construction agency 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
	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		
	Dhauladevi		45.5	34.5
Champawat	Pati	Forest Village		
	Barakot		34.6	29.2
	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

Name of District	Name of EBB Blocks(1991)	Name of EBB Blocks (2001)	FLR 2001	GG
		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 2016-17. The aim is to start the project in academic year 2016-17 at level 1 (Class 9th) in Normal Track in about 245 Government schools in Uttarakhand. The student who starts the Normal Track in 2016-17 will attain the Level 4 Certification by 2020. 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 2016. 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 29th February, 2016)

Year	Up-gradation				Strengthening			
	Sanc.	Complete	In Progress	Un Started	Sanc.	Complete	In Progress	Un Started
2009-10	23	19	3	1	379	372	7	0
2010-11	58	37	18	3	131	101	25	5
2011-12	147	97	41	9	0	0	0	0
2013-14	42	14	21	7	33	23	8	2
2014-15	0	0	0	0	178	0	162	16
2015-16	9	0	0	9	0	0	0	0
Total	279	167	83	29	721	496	202	23

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

(As on 29th February, 2016)

Year	Name of Work	Sanctioned	Complete	In Progress	Un Started
2009-10	Class Room	132	126	6	0
	Laboratory Room	72	69	3	0
	Library Room	66	64	2	0
	Art/Craft Room	40	39	1	0
	Computer Room	50	49	1	0
	Toilet Block	197	194	3	0
2010-11	Class Room	237	179	48	10
	Laboratory Room	68	53	13	2
	Library Room	115	88	21	6
	Art/Craft Room	124	93	24	7
	Computer Room	125	96	22	7
	Toilet Block	131	100	24	7
2013-14	Class Room	27	21	4	2
	Laboratory Room	14	8	5	1
	Library Room	27	18	7	2
	Art/Craft Room	32	22	8	2
	Computer Room	21	16	4	1
	Toilet Block	4	4	0	0
2014-15	Class Room	205	0	183	22
	Laboratory Room	123	0	113	10
	Library Room	147	0	131	16
	Art/Craft Room	171	0	155	16
	Computer Room	134	0	119	15
	Toilet Block	56	0	48	8
Total	Class Room	601	326	241	34
	Laboratory Room	277	130	134	13
	Library Room	355	170	161	24
	Art/Craft Room	367	154	188	25
	Computer Room	330	161	146	23
	Toilet Block	388	298	75	15

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. In year 2015-16 State Government also nominated PWD and SMC/SMDC as construction agency.

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

(As on 29th February, 2016)

(Rs. in Lakhs)

SN	District	2009-10	2010-11	2011-12	2013-14	2014-15	Total
1	Almora	102.53	146.00	222.90	38.68	76.89	587.00
2	Bageshwar	22.96	113.21	351.99	16.76	40.27	545.19
3	Chamoli	136.55	613.14	454.03	3.28	110.32	1317.32
4	Champawat	28.01	59.35	219.18	8.68	15.64	330.86
5	Dehradun	63.21	167.60	151.26	4.87	197.42	584.36
6	Haridwar	0.00	120.92	147.69	126.03	213.32	607.96
7	Nainital	33.24	352.85	171.48	51.96	91.01	700.54
8	Pauri	118.57	160.72	206.98	0.32	192.27	678.86
9	Pithoragarh	47.35	39.94	471.65	0.00	219.11	778.05
10	Rudraprayag	16.21	97.64	133.86	1.32	156.27	405.30
11	Tehri	0.00	28.34	144.72	88.86	40.41	302.33
12	US Nagar	13.79	94.92	639.33	16.66	-13.08	751.62
13	Uttarkashi	34.21	183.25	448.34	0.74	34.59	701.13
Total		616.63	2177.88	3763.41	358.16	1374.44	8290.52

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.

Post Procurement Review

The World Bank has conducted Post Procurement Review (PPR) covering 07 sample contracts awarded during April, 2012 to June, 2014 under RMSA in Uttarakhand. The key findings/issues of the report are follows:

- ☐ Minimum 30 days bidding period was not providing.
- ☐ RMSA model bid document for open tendering was not used.
- ☐ Advised to revise the estimates before initiating the procurement process.

State Government and SIS, RMSA has issued letters to implementing agencies for resolved the above issues.

Table 2.9 Year-wise Sanctioned Major Repair

S.No.	District	2009-10	2010-11	2011-12
1	Dehradun	0	07	09
2	Haridwar	0	0	03
3	Tehri	0	05	13
4	Uttarkashi	0	&	02
5	Pauri	0	30	14
6	Chamoli	0	38	08
7	Rudraprayag	0	01	01

S.No.	District	2009-10	2010-11	2011-12
8	Almora	0	0	08
9	Bageshwar	0	09	05
10	Champawat	0	02	06
11	Nainital	0	13	14
12	Pithoragarh	0	17	26
13	US Nagar	0	04	06
Total		0	126	115

No major repair works are sanctioned after year 2011-12 under RMSA.

(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	
2015-16	2184	0.50	1092.00	2179	1089.5	

Table 2.11 Progress of School Grant and Minor Repair 2015-16

S.No.	Name of the district	School Grant	
		Target 2015-16	Progress
1	Almora	256	256
2	Bageshwar	87	86
3	Chamoli	188	187
4	Champawat	99	98
5	Dehradun	164	164
6	Haridwar	87	86
7	Nainital	185	185
8	Pauri	302	299
9	Pithoragarh	191	191
10	Rudraprayag	107	103
11	Tehri	276	139
12	U.S. Nagar	120	119
13	Uttarkashi	122	120
Total		2184	2033

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	11	125	12	36
2010-11	58	58	406	464	25	298	33	108
2011-12	147	147	735	882	96	504	51	231
2012-13	0	0	0	0	0	0	0	0
2013-14	43	43	215	258	15	124	28	91

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
2014-15	0	0	0	0	0	0	0	0
2015-16	9	9	45	54	0	0	9	45
Total	280	280	1562	1842	147	1051	133	511

(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 2015-16

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
	2015-16	225	223	10.80	10.70	

Source: DPO Office 2015-16

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 225 Principal training on leadership 2015-16. Training package has developed by NUEPA. The training has been completed in DIET'S. 223 head master/principals have completed the training.

(ii) Teacher Training**Table 2.14 Cumulative Teacher Training Progress 2009-10 to 2015-6**

Intervention	Year	Physical Target	Achieved Target	Budget	
				Released by GoI in lakhs	Audited Expenditure in lakhs
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			
	2015-16	4757	4329	142.71	129.87
New Teacher Training	2009-10	-	-	-	-
	2010-11	648	-	06.48	-
	2011-12	567	539	08.50	7.51
	2012-13	1696	-	-	-
	2013-14	-	-	-	-
	2014-15	225	120		
	2015-16	-	-	-	-

The GOI has sanctioned 4757 in service teacher training for the year 2015-16. SCERT has developed training package after TNA on Science, Maths and English.

Teacher training conducted at district/block level in the supervision of Nodal Officer-Block Education Officer/District Education Officer (Secondary) and faculty of SCERT. The progress of trained teachers as follows:

Table No. 2.15 Progress of Trained Teacher 2015-16

S.No.	Name of the district	English Target	Prog.	Maths Target	Prog.	Science Target	Prog.	Total Target	Total Progress
1	Almora	33	33	240	240	150	150	423	423
2	Bageshwar	32	32	80	77	48	44	160	153
3	Chamoli	32	31	173	173	100	100	305	304
4	Champawat	30	30	70	66	55	54	155	150
5	Dehradun	160	160	200	200	175	172	535	532
6	Haridwar	32	32	64	64	95	95	191	191
7	Nainital	33	33	205	178	264	182	502	393
8	Pauri	160	160	315	315	430	229	905	704
9	Pithoragarh	34	34	80	80	164	139	278	253
10	Rudraprayag	34	34	115	115	72	72	221	221
11	Tehri	120	120	271	262	180	137	571	519
12	U.S. Nagar	32	34	126	125	107	98	265	257
13	Uttarkashi	32	24	130	124	84	81	246	229
Total		764	757	2069	2019	1924	1553	4757	4329

Source: DPO Offices

(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 2015-16:-

Table 2.16 Progress of Science Fair 2015-16

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

(d) Training for Community Leaders (SMDC Training)

GOI has sanctioned 4500 SMDC members training from 225 schools for 2015-16. 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 2.17 SMDC Progress of 2015-16

S.No.	Districts	No. of schools	Target	Achievement
1	Almora	3	60	60
2	Bageshwar	0	0	0
3	Chamoli	0	0	0
4	Champawat	7	140	140
5	Dehradun	51	1020	1020
6	Haridwar	3	60	60
7	Nainital	1	20	20
8	Pauri	9	180	180
9	Pithoragarh	3	60	60
10	Rudraprayag	11	220	220
11	Tehri	77	1540	1540
12	U.S. Nagar	2	40	35
13	Uttarkashi	58	1160	1160
	Total	225	4500	4495

Source: DPO Offices

(e) Self defence Training for girls

GOI has sanctioned 164 schools for self defence and yoga in 2015-16 for girls. These schools 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 SMDC/SMC. The selected expert was certificate holder. A minimum of 30 girls per school were selection criteria of school.

Table 2.18 Progress of Self Defence & Yoga 2015-16

S.No.	District	Target	Progress
1	Almora	15	15
2	Bageshwar	6	6
3	Chamoli	18	18
4	Champawat	4	4
5	Dehradun	25	25
6	Haridwar	18	18
7	Nainital	10	10
8	Pauri	15	15
9	Pithoragarh	12	12
10	Rudraprayag	3	3
11	Tehri	18	17
12	U.S. Nagar	14	14
13	Uttarkashi	6	6
	Total	164	163

(f) Special Teaching for SC, ST & Minority

GOI has sanctioned special teaching for 4251 SC, ST and Minority children for class X. Remediation has been given in Maths, Science and English by respected subject teacher. The progress as follows:

Table 2.19 Progress of Special Coaching 2015-16

S.No.	Name of the district	Target	Progress
1	Almora	168	167
2	Bageshwar	513	513
3	Chamoli	509	509
4	Champawat	30	30
5	Dehradun	940	940
6	Haridwar	750	0
7	Nainital	120	120
8	Pauri	60	60
9	Pithoragarh	141	141
10	Rudraprayag	20	0
11	Tehri	150	150
12	U.S. Nagar	750	750
13	Uttarkashi	100	100
Total		4251	3480

Special teaching/coaching was given to those students who were not up to mark or weak in English, Math & Science in the annual examination of class IX. First priority was given to girls hostel's students. Special coaching given by subject teacher pre and after school hour.

(g) Science Kit

The Secondary Science Kit developed by NCERT have been procured by the schools the developed science related vision in the students studying in class IX and X. The process to purchase the science kit is still in progress and the kit purchased by the districts so far as follows:

Table 2.20 Progress of Science Kit 2015-16

S.No.	Name of the district	Target	Progress
1	Almora	27	27
2	Bageshwar	9	9
3	Chamoli	20	20
4	Champawat	10	10
5	Dehradun	17	17
6	Haridwar	9	9
7	Nainital	20	20
8	Pauri	32	32
9	Pithoragarh	20	20
10	Rudraprayag	11	11
11	Tehri	29	29
12	U.S. Nagar	13	13
13	Uttarkashi	13	13
Total		230	230

(h) Kal Utsav

Kal Utsav programme has been conducted in four tiers namely school, block, district and state level. All the district have performed their activity in theatre, music, dance and visual arts. After the completion of the programme at state level four teams have participated from 8 December to 12 December 2015 in New Delhi. 2076 students from 224 school have participated in the Kala Utsav programme.

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 2.21 Progress of Girls Hostel 2015-16

S. No	District	Name of Girls Hostel	No. of Students
1	ALMORA	GH CHAGETHI	23
2	DEHRADUN	GH TUINY	51
3	DEHRADUN	GH KALSI	45
4	HARIDWAR	GH BAJUHERI ROORKEE	16
5	HARIDWAR	GH BADIWALA BHAGWANPUR	20
6	HARIDWAR	GH GORDHANPUR KHANPUR	28
7	HARIDWAR	GH RANIMAJRA BAHADARABAD	24
8	HARIDWAR	GH HARJOLLY JAT NARSAN	14
9	HARIDWAR	GH AKBARPUR UD LAKSAR	22
10	TEHRI	GH RAUNSAI	33
11	TEHRI	GH RAUTU KI BELI	30
12	TEHRI	GH AMPATA	44
13	TEHRI	GH SUJARGAON	28
14	TEHRI	GH KAUSHAL	11
15	U.S. NAGAR	GH BAZPUR	10
16	UTTARKASHI	GH CHINYALI	40
17	UTTARKASHI	GH KHARSADI	27
18	UTTARKASHI	GH GANGNANI	23
19	UTTARKASHI	GH KANDIYALGAON	30
Total			519

Table 2.22 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	-
3	2015-16	-	232.52	1516.42

Table 2.23 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
5	2015-16	273.79	129.09	129.09

Table 2.24 Construction Work Detail (Girls Hostel)

(As on February 2016)

Sl. No	District	Block	Place of Girls Hostel	Sanctioned Amount for Civil Work	Expenditure	Physical Progress
1	Dehradun	Kalsi	Kalsi	175.95000	158.35500	100%
2	Dehradun	Chakrata	Tyuni	186.11000	167.49900	100%
3	Uttarkashi	Mori	Kharsari	198.82000	99.41000	45%
4	U S Nagar	Bajpur	Bajpur	184.49000	166.04100	100%
5	Uttarkashi	Naugaon	Gangnani	196.57000	176.91300	90%
6	Uttarkashi	Purola	Kandiyal Gaon	194.91000	97.45500	50%
7	Tehri	Pratapnagar	Sujad Gaon	179.53000	89.76500	45%
8	Uttarkashi	Chinyalisaur	Dhanpur	176.02000	158.41800	75%
9	Haridwar	Lakasar	Akbarpur Ud	189.07000	170.16300	98%
10	Haridwar	Roorkee	Bajuheri	189.33000	170.39700	99%
11	Haridwar	Khanpur	Goverdhanpur	167.20000	150.48000	100%
12	Haridwar	Narsan	Harjoli Jatt	180.74000	162.66600	100%
13	Almora	Dhauladevi	Chagethi	191.45000	95.72500	45%
14	Haridwar	Bahadradabad	Rani Majara	187.48000	168.73200	100%
15	Haridwar	Bhagwanpur	Badiwala	176.05000	158.44500	100%
16	Tehri	Bhilangana	Raunshal	208.70000	187.83000	79%
17	Tehri	Narendra Nagar	Aampata	197.80000	178.02000	100%
18	Tehri	Jaunpur	Rautu Ki Beli	186.62000	167.95800	100%
19	Tehri	Tholdhar	Kaushal	185.85000	167.26500	100%
Total				3552.69000	2891.53700	

Out of 19 Girls Hostel buildings 10 are completed 09 are under construction and will be completed till March, 2016. 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 2.25 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	GH CHAGETHI	5	0	0	18	23	0	18
2	DEHRADUN	GH TUINY	22	27	2	0	51	0	0

S. No.	District	Name of Girls Hostel	Enrolment details of inmates as on date						
			SC	ST	OBC	BPL	Muslim	Other	Total
3	DEHRADUN	GH KALSI	9	35	0	1	45	0	1
4	HARIDWAR	GH BAJUHERI ROORKEE	15	0	1	0	16	0	16
5	HARIDWAR	GH BADIWALA BHAGWANPUR	10	0	10	0	20	0	20
6	HARIDWAR	GH GORDHANPUR KHANPUR	17	0	11	0	28	1	29
7	HARIDWAR	GH RANIMAJRA BAHADARABAD	23	0	1	0	24	0	24
8	HARIDWAR	GH HARJOLLY JAT NARSAN	10	0	4	0	14	0	14
9	HARIDWAR	GH AKBARPUR UD LAKSAR	13	0	9	0	22	2	24
10	TEHRI	GH RAUNSAI	3	0	0	30	33	0	30
11	TEHRI	GH RAUTU KI BELI	4	0	24	2	30	0	25
12	TEHRI	GH AMPATA	12	0	0	32	44	0	32
13	TEHRI	GH SUJARGAON	1	0	0	27	28	0	27
14	TEHRI	GH KAUSHAL	2	0	0	9	11	0	9
15	U.S. NAGAR	GH BAZPUR	3	5	1	1	10	0	1
16	UTTARKASHI	GH CHINYALI	17	0	23	0	40	0	13
17	UTTARKASHI	GH KHARSADI	5	0	22	0	27	0	0
18	UTTARKASHI	GH GANGNANI	16	0	7	0	23	0	0
19	UTTARKASHI	GH KANDIYALGAON	7	0	23	0	30	0	0
TOTAL			194	67	138	120	519	3	283

There are 519 girls residing in 19 Girls Hostels in current year. After completion of construction of buildings, 100 Girls will be enrolled in each hostel from year 2016-17.

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 is filled through Out Sourcing agency.

State Government has constituted different committees for effective implementation of Girls Hostel. Committees as follows:

(i) Management Committee

- ☐ SDM - Chairman
- ☐ Block Education Officer (BEO) - Vice-Chairman
- ☐ Principal of respected school where girls are studying - Secretary
- ☐ Warden & Other Members

(ii) Procurement Committee:

- ☐ BEO - Chairman
- ☐ Principal of respected school where girls are studying - Secretary
- ☐ Warden & Other Members

(iii) Out Sourcing Selection Committee:

- ☐ Chief Education Officer (CEO) - Chairman
- ☐ District Education Officer (Secondary) - Secretary
- ☐ Senior Lecturer, DIET - Member
- ☐ Other Members

2.2.3 Vocational Education

Activities carried out in 2015-16

- ☐ 80 Schools (40 Plain & 40 Hill) are selected in all 13 districts.
- ☐ Labs space identified in selected schools.
- ☐ SRG for vocational education constituted at state level.
- ☐ MOU signed with Wadhwani 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 Wadhwani 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.
- ☐ e-Tender were invited in 03 times for selection of implementing firm, but in previous 02 bids due to insufficient number of tenders received, the bid has been not accepted. In 3rd time single bid has received for 03 trades and 02 bids received for 01 trade (Health Care).
- ☐ The executive committee has decided after the review of previous 02 e-Tenders, that if in the 3rd time only 01 bid which fulfill the necessary norms will be considered. In case no bid will received in 3rd time or no bidder will qualified then SIS RMSA will invite the empanelled Vocational Training Partners (VTPs) of National Skill Development Corporation (NSDC) and select the trade-wise VTP for programme.
- ☐ The executive committee has directed to SIS will execute the programme definitely from April, 2017.
- ☐ 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 & Wadhwani Foundation and procurement process will be taken by SMDC/SMC as per RMSA Financial & Procurement Manual. The list of trade-wise equipment is finalized by SRG.

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 2016-17

- 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, 2016;

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.

- Extending computer literacy and awareness to every student.
- Enabling the teachers to enhance their subject knowledge and professional skills with the use of ICT.
- Facilitating the teachers to use ICT as an aid for teaching learning process and to make the classroom interactive and participatory.
- 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 2.26 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 2.27 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

S. No.	Year of Sanction	Type of School	Number of Schools Sanctioned		
			Govt.	Govt. aided	Total
2	2007-08	Higher Secondary school	25	0	25
		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 2.28 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 2015-16 the total 1570 students are identified through U-DISE data. Camp were 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 2.29 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	62.13	Audited
6.	2015-16	136.20	29.20	60.94	Unspent Balance for the year 2014-15 Rs. 31.74 has been utilized

Financial Status for Year 2015-16

S. No.	Name of Activity	Phy.	Unit Cost (in lakh)	Amount Released (in lakh)	Achievement
1.	Identification, Assessment	1570	0.002	3.14	The second installments still awaited. So only 5 months salary for special teachers and stipend to girls for 6 months have been given.
2.	Stipend for Girls	691	0.002 per month	4.82	
3.	Uniform	865	0.0055	4.76	
4.	Books and Stationery	865	0.0055	4.76	
5.	Salary of Special Educator	36	0.18 (for 5 months)	32.4	
6	Environment Building Programme	95	0.1	9.5	
7	Aids and Appliances	1570	0.001	1.57	
Total				60.95	

State Intervention

The State government has sanctioned Rs. 5.316 lakhs to provide Rs. 600.00 per child per annum as scholarship to children with special need for year 2015-16. The scholarship has been provided to 886 CWSN children.

Table 2.30 Status of Identification and Enrolment of Disabled Children (Disability Wise)

S.No.	Disability	B	G	T
1	Visual Impairment (Blindness)	18	13	31
2	Visual Impairment (Low Vision)	188	163	351
3	Hearing Impairment	59	52	111
4	Speech Impairment	54	40	94
5	Loco Motor Impairment	440	341	781
6	Mental Retardation	59	35	94
7	Learning Disability	31	23	54
8	Cerebral Palsy	5	2	7
9	Autism	6	2	8
10	Multiple Disability	19	20	39
Total		879	691	1570

Implementation for year 2015-16**Students Oriented Components****(i) Identification, Profiling, Assessment and Certification**

In the year 2015-16, 1570 children assessed with help of Chief Medical Officers of respective district as follows:

Table 2.31 District wise assessed Children

S.N.	District	Target	Achievement
1	Almora	129	97
2	Bageshwar	50	50
3	Chamoli	105	125
4	Champawat	122	97
5	Dehradun	181	176
6	Haridwar	98	79
7	Nainital	93	45
8	Pauri	205	52
9	Pithoragarh	66	43
10	Rudrapur	93	26

S.N.	District	Target	Achievement
11	Tehri	77	39
12	US Nagar	259	85
13	Uttarkashi	92	80
Total		1570	994

Aids and Appliances

In the year 2015-16 for aids and appliances Rs. 1.57 has been release to district as follows:

Table 2.32 District wise Aids and Appliances

S.N.	District	Target	Achievement
1	Almora	129	14
2	Bageshwar	50	16
3	Chamoli	105	6
4	Champawat	122	15
5	Dehradun	181	25
6	Haridwar	98	5
7	Nainital	93	16
8	Pauri	205	40
9	Pithoragarh	66	13
10	Rudraprayag	93	14
11	Tehri	77	8
12	US Nagar	259	36
13	Uttarkashi	92	4
Total		1570	212

(ii) Stipend for Girls

Budget of Rs. 4.82 has been released to districts for year 2015-16. Due to non release of second installment form GOI, only 6 months stipend have been given to girls.

S. No.	Name of District	Target	Achievement
1	ALMORA	43	43
2	BAGESHWAR	12	12
3	CHAMOLI	32	32
4	CHAMPAWAT	18	18
5	DEHRADUN	73	73
6	HARIDWAR	38	38
7	NAINITAL	46	46
8	PAURI	13	13
9	PITHORAGARH	11	11
10	RUDRAPRAYAG	22	22
11	TEHRI	9	9
12	U.S. NAGAR	69	69
13	UTTARKASHI	16	16
Total		402	402

Uniform

Budget of Rs. 4.76 has been released to districts for year 2015-16.

S. No.	Name of District	Target	Achievement
1	ALMORA	129	97
2	BAGESHWAR	50	20
3	CHAMOLI	105	54
4	CHAMPAWAT	122	48
5	DEHRADUN	181	126
6	HARIDWAR	98	98
7	NAINITAL	205	107
8	PAURI	93	31
9	PITHORAGARH	66	20

S. No.	Name of District	Target	Achievement
10	RUDRAPRAYAG	93	41
11	TEHRI	77	34
12	U.S. NAGAR	259	153
13	UTTARKASHI	92	36
	Total	1570	865

Books and Stationery

Budget of Rs. 4.76 has been released to districts for year 2015-16.

S. No.	Name of District	Target	Achievement
1	ALMORA	129	97
2	BAGESHWAR	50	20
3	CHAMOLI	105	54
4	CHAMPAWAT	122	48
5	DEHRADUN	181	126
6	HARIDWAR	98	98
7	NAINITAL	205	107
8	PAURI	93	31
9	PITHORAGARH	66	20
10	RUDRAPRAYAG	93	41
11	TEHRI	77	34
12	U.S. NAGAR	259	153
13	UTTARKASHI	92	36
	Total	1570	865

Other Components-Environment Building Programme

Budget of Rs. 9.5 has been released to districts for year 2015-16.

S. No.	Name of District	Target	Achievement
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
10	RUDRAPRAYAG	3	3
11	TEHRI	9	9
12	U.S. NAGAR	7	7
13	UTTARKASHI	6	6
	Total	95	95

Teacher Component

Appointment of Special Educator

36 Special Teachers have been appointed in the State. Budget of Rs. 32.40 has been released to districts for year 2015-16.

S. No.	Name of District	Target	Achievement
1	BAGESHWAR	3	3
2	CHAMOLI	2	2
3	CHAMPAWAT	4	3
4	DEHRADUN	6	6
5	HARIDWAR	6	6
6	PAURI	7	7

S. No.	Name of District	Target	Achievement
7	PITHORAGARH	7	7
8	TEHRI	2	2
	Total	37	36

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	Additional Chief 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 be held once in every three months. The committee monitors the different construction works being under taken 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 2.33 Sanctioned, Working & Vacant Posts under RMSA
(As on 29th February, 2016)

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	1	1	Deputation
	Finance Officer	1	0	1	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
	Computer Operator	3	2	1	Outsourcing
	Peon	3	3	0	Outsourcing
District Project Office, Uttarakhand Sabhi Ke Liye Madhyamik Shiksha Parishad	District Project Officer	13	13	0	Ex-Officio, ADEO (Madhyamik)
	District Resource Person (Academic, Evaluation & Innovation)	13	07	06	Deputation
	District Resource Person (Construction, Planning & SEMIS)	13	08	07	Deputation
	Assistant Account Officer	13	06	7	Deputation
	Accountant	13	13	0	Deputation
	Computer Operator	13	13	0	Outsourcing
Block Project Office	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. It 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 assesses 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 exposé visit will be organised.
3	Management and Quality	
3.1	Salary	For all SPO staff.
3.2	Capacity Building Programme for Project Functionaries	26 DRPs and 13 DPOs, 13 AAOs and 13 computer operators will be 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, Brochers, Pamphlets etc., AWP&B Preparation, TADA, Vehicles Hiring, POL, Contingency, Consultancy etc.
District Level Activities Under MMER		
1	Monitoring Activities	1. Monitoring of all project works by BEO
		2. Civil work monitoring by technical person
		3. Monitoring by DIET faculty.
2	Research and Evaluation	As per proposal of district.
3	Salaries	All DPO functionaries
4	TA/DA	For DPO
5	Contingency	For DPO
6	Office Equipments	For DPO
7	Hiring of Vehicle	For DPO

Table 2.34 Budget Proposal under MMER in 2016-17*Amount In Lakhs*

S.No.	Activities	State Level	District Level	Total
1	Monitoring Activities (Workshop, Meetings, Field Visit & other Monitoring Activities)	200.00	95.00	295.00
2	Research and Evaluation	171.64	26.00	197.64
3	Salaries	400.00	650.00	1050.00
4	Honorarium (Including hiring of services)	100.00	46.80	146.80
5	TA/ DA	15.00	26.00	41.00
6	Community Mobilisation	50.00	0.00	50.00
7	Media oriented activities	100.00	0.00	100.00
8	Contingency	200.00	52.00	252.00
9	Office equip., Computer, Laptop, other miscellaneous works etc.	150.00	39.00	189.00
10	Hiring of Vehicle	100.00	46.80	146.80
11	Meeting/ Workshop/ Other Office Exp.	123.68	65.00	188.68
Total		1610.32	1046.6	2656.92

Media oriented activities at block and district level are included in contingency provided at district level.

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	12535	2796	13
2	Govt. Aided	6	177	8
3	Un Aided	2650	441	1449
	Total	15191	3414	1470

Source: U-DISE 2015-16

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

S. No.	District	Secondary	Higher Secondary	Total
1	Almora	118	217	335
2	Bageshwar	42	78	120
3	Chamoli	109	145	254
4	Champawat	59	79	138
5	Dehradun	148	314	462
6	Haridwar	100	159	259
7	Nainital	99	209	308
8	Pauri	147	274	421
9	Pithoragarh	110	152	262
10	Rudraprayag	46	102	148
11	Tehri	121	207	328
12	U.S. Nagar	135	192	327
13	Uttarkashi	60	90	150
Total		1294	2218	3512

*Source: U-DISE 2015-16***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	1	24	116	192	1	1	0	335
2	BAGESHWAR	1	3	41	74	0	1	0	120
3	CHAMOLI	9	5	88	130	12	8	2	254
4	CHAMPAWAT	5	8	50	65	4	6	0	138
5	DEHRADUN	45	179	56	113	47	21	1	462
7	HARDWAR	25	64	46	70	29	21	4	259
8	NAINITAL	15	66	83	141	1	1	1	308
6	PAURI	5	26	135	243	7	5	0	421
9	PITHORAGARH	11	17	95	133	4	2	0	262
10	RUDRAPRAYAG	3	5	35	84	8	13	0	148
11	TEHRI	5	6	52	189	64	12	0	328
12	U.S.NAGAR	31	79	91	96	13	10	7	327
13	UTTARKASHI	8	5	7	70	45	15	0	150
State Total		164	487	895	1600	235	116	15	3512

*Source: U-DISE 2015-16***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	335	260	0	1	39	32	3	0
2	BAGESHWAR	120	90	0	0	16	11	3	0
3	CHAMOLI	252	199	1	0	25	22	5	0
4	CHAMPAWAT	138	105	0	0	8	21	4	0
5	DEHRADUN	461	165	5	2	55	213	21	0
6	HARDWAR	255	89	0	0	54	107	4	1
7	NAINITAL	307	188	1	0	34	79	5	0
8	GARHWAL	421	302	0	1	75	39	4	0
9	PITHORAGARH	262	208	3	0	10	37	4	0
10	RUDRAPRAYAG	148	109	0	0	20	17	2	0
11	TEHRI	328	282	0	0	15	28	3	0
12	U.S. NAGAR	320	123	4	0	28	158	2	5
13	UTTARKASHI	150	124	0	0	3	21	2	0
Total		3497	2244	14	4	382	785	62	6

Source: U-DISE 2015-16

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)	589055	526153	1115208
2	Upper Primary (Class 6 to 8)	311873	285629	597502
Total (Class 1 to 8)		900928	811782	1712710

*Source: U-DISE 2015-16***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 2014-15 & 2015-16**

SN	District	Enrolment in Classes IX-X in 2014-15			Enrolment in Classes IX-X in 2015-16		
		Boys	Girls	Total	Boys	Girls	Total
1	Almora	15375	14916	30291	14233	14207	28440
2	Bageshwar	5783	5812	11595	5547	5471	11018
3	Chamoli	9102	8210	17312	9331	8306	17637
4	Champawat	5717	5606	11323	5915	5580	11495
5	Dehradun	33957	30129	64086	34674	30365	65039
6	Haridwar	30995	28207	59202	28690	24443	53133
7	Nainital	19211	17106	36317	19139	17676	36815
8	Pauri	15627	14517	30144	15043	13995	29038
9	Pithoragarh	11125	9809	20934	11040	9584	20624
10	Rudraprayag	5852	5580	11432	5712	5308	11020
11	Tehri	14202	14008	28210	13647	13128	26775
12	U.S. Nagar	33215	29729	62944	33478	30258	63736
13	Uttarkashi	7388	7181	14569	7001	6842	13843
Total		207549	190810	398359	203450	185163	388613
State Govt.		96174	109592	205766	91984	106204	198188

Source: DISE 2014-15 & U-DISE 2015-16

Table No 3.8 indicates that 50.99% students of secondary classes are in government schools.

Table 3.9 Total Enrolment Status at Hr. Sr. Secondary Level (Class XI to XII) Year 2014-15 & 2015-16

SN	District	Enrolment in Classes XI-XII in 2014-15			Enrolment in Classes XI-XII in 2015-16		
		Boys	Girls	Total	Boys	Girls	Total
1	Almora	11489	11708	23197	11256	11719	22975
2	Bageshwar	4417	4308	8725	4463	4668	9131
3	Chamoli	7093	7123	14216	7060	7446	14506
4	Champawat	3959	3651	7610	4085	4085	8170
5	Dehradun	28308	25334	53642	28972	26661	55633
6	Haridwar	23105	21429	44534	20897	17203	38100
7	Nainital	14514	14528	29042	13720	14250	27970

SN	District	Enrolment in Classes XI-XII in 2014-15			Enrolment in Classes XI-XII in 2015-16		
		Boys	Girls	Total	Boys	Girls	Total
8	Pauri	13907	13406	27313	13350	13372	26722
9	Pithoragarh	9124	8098	17222	9470	8467	17937
10	Rudraprayag	4890	4757	9647	4617	4770	9387
11	Tehri	10775	11680	22455	10517	11995	22512
12	US Nagar	22438	20654	43092	21863	21688	43551
13	Uttarkashi	6325	5879	12204	6074	6013	12087
STATE		160344	152555	312899	156344	152337	308681
State Govt.		70954	83152	154106	68213	85499	153712

Source: DISE 2014-15 & U-DISE 2015-16

Table No 3.9 indicates that 49.79% 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 i.e 10116000 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, 9.16 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 4.37 lakhs respectively in 2011. The projected size would be 4.51 and 4.62 lakhs in 2013 and will increase to 4.53 and decrease to 4.07 lakhs for the respective age groups in 2016.

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
1	Almora	B	18953	18149	18618	18825	16923	16877
		G	19151	18404	18551	18332	16963	16869
		T	38103	36553	37169	37158	33958	33821
2	Bageshwar	B	6750	6464	6630	6704	6593	6575
		G	6604	6347	6398	6322	6538	6501
		T	13354	12810	13028	13027	13155	13102
3	Chamoli	B	10814	10356	10623	10742	11091	11061
		G	10244	9845	9923	9807	9926	9871
		T	21058	20200	20547	20548	21008	20922
4	Champawat	B	6322	6054	6210	6280	6902	6884
		G	5683	5461	5505	5440	6603	6566
		T	12005	11515	11715	11719	13520	13465
5	Dehradun	B	35466	33963	34839	35228	39701	39592
		G	31409	30183	30425	30067	34382	34192
		T	66875	64146	65265	65295	73994	73693
6	Haridwar	B	40202	38498	39492	39932	33298	33207
		G	35894	34493	34770	34360	28865	28705
		T	76096	72991	74261	74292	62090	61838
7	Nainital	B	21762	20839	21377	21616	22326	22265
		G	19607	18842	18993	18769	20633	20519
		T	41368	39681	40370	40384	42972	42797
8	Pauri	B	19823	18983	19473	19690	17232	17185

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
9	Pithoragarh	G	19349	18594	18743	18522	15942	15854
		T	39172	37577	38216	38212	33185	33050
		B	12920	12373	12692	12834	13138	13103
		G	11824	11363	11454	11319	11446	11383
		T	24745	23736	24146	24153	24558	24459
10	Rudraprayag	B	6369	6099	6257	6327	6736	6717
		G	6324	6078	6126	6054	6255	6221
		T	12694	12177	12383	12381	12996	12943
11	Tehri Garhwal	B	17228	16497	16923	17112	16209	16165
		G	16488	15845	15972	15784	15638	15551
		T	33716	32343	32895	32896	31887	31758
12	US Nagar	B	35791	34274	35159	35551	39534	39426
		G	32313	31052	31301	30932	35837	35639
		T	68104	65326	66460	66483	75360	75053
13	Uttarkashi	B	8084	7742	7941	8030	8330	8308
		G	7124	6846	6901	6819	8166	8121
		T	15208	14587	14842	14849	16524	16457
TOTAL STATE		B	240484	230291	236235	238870	238014	237365
		G	222014	213352	215062	212528	217193	215993
		T	462498	443643	451297	451398	455207	453358

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
1	Almora	B	17974	18981	18953	18149	15362	15154
		G	18049	19241	19151	18404	15381	15148
		T	36023	38222	38103	36553	30810	30369
2	Bageshwar	B	6401	6760	6750	6464	5985	5904
		G	6225	6636	6604	6347	5928	5838
		T	12626	13395	13354	12810	11936	11765
3	Chamoli	B	10256	10830	10814	10356	10068	9932
		G	9655	10293	10244	9845	9000	8864
		T	19911	21123	21058	20200	19060	18787
4	Champawat	B	5996	6331	6322	6054	6266	6181
		G	5356	5709	5683	5461	5987	5896
		T	11351	12041	12005	11515	12266	12091
5	Dehradun	B	33635	35519	35466	33963	36039	35550
		G	29603	31557	31409	30183	31176	30703
		T	63237	67076	66875	64146	67134	66172
6	Haridwar	B	38126	40261	40202	38498	30227	29817
		G	33830	36063	35894	34493	26174	25777
		T	71956	76325	76096	72991	56334	55527
7	Nainital	B	20638	21794	21762	20839	20267	19992
		G	18479	19699	19607	18842	18710	18426
		T	39117	41493	41368	39681	38988	38429
8	Pauri	B	18800	19853	19823	18983	15643	15431
		G	18236	19440	19349	18594	14456	14236
		T	37036	39293	39172	37577	30108	29677
9	Pithoragarh	B	12253	12940	12920	12373	11927	11765
		G	11144	11880	11824	11363	10379	10221
		T	23398	24820	24745	23736	22282	21962
10	Rudraprayag	B	6041	6379	6369	6099	6115	6032
		G	5961	6354	6324	6078	5672	5586
		T	12001	12733	12694	12177	11791	11622
11	Tehri Garhwal	B	16338	17253	17228	16497	14714	14514
		G	15540	16566	16488	15845	14180	13965
		T	31878	33819	33716	32343	28931	28517

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
12	US Nagar	B	33943	35844	35791	34274	35888	35401
		G	30455	32465	32313	31052	32496	32003
		T	64397	68309	68104	65326	68373	67393
13	Uttarkashi	B	7667	8096	8084	7742	7562	7460
		G	6714	7157	7124	6846	7405	7293
		T	14381	15254	15208	14587	14992	14777
TOTAL STATE		B	228066	240840	240484	230291	216061	213132
		G	209246	223061	222014	213352	196944	193956
		T	437312	463901	462498	443643	413005	407088

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	Decadal 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 proportion 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	Decadal 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

S. No.	District	Decadal G.Rate	Total Population			Population 14 & 15 Age Group (Cast Wise) 2011					
						SC			ST		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
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	2013-14			2014-15			2015-16		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
IX	101877	93137	195014	103481	94109	197590	101104	90991	192095
X	102513	93406	195919	104068	96701	200769	102346	94172	196518
Total	204390	186543	390933	207549	190810	398359	203450	185163	388613
XI	78721	73149	151870	76778	74021	150799	78127	75976	154103
XII	77033	73782	150815	83566	78534	162100	78217	76361	154578
Total	155754	146931	302685	160344	152555	312899	156344	152337	308681

Source: SEMIS, 2013-14, DISE 2014-15 & U-DISE 2015-16

This reveals that the total enrolment at secondary level was 390933 in 2013-14 and 388613 in 2015-16. The total enrolment at higher secondary level was 302685 in 2013-14. This has increased to 308681 in 2015-16.

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 2015-16												
General	53212	45696	98908	55177	48650	103827	46294	43084	89378	45755	43490	89245
SC	24468	22935	47403	24084	23237	47321	15490	16336	31826	14886	15554	30440
ST	3158	3095	6253	3184	3375	6559	2454	2661	5115	2934	3183	6117
OBC	20266	19265	39531	19901	18910	38811	13889	13895	27784	14642	14134	28776
Total	101104	90991	192095	102346	94172	196518	78127	75976	154103	78217	76361	154578

Source: U-DISE 2015-16

The enrolment of SC children in 2015-16 is 24.37%, ST children 3.29% and OBC is 20.15% in the secondary level. While at higher secondary level the participation is 20.17 of SC, 3.63% of ST and 14.85% of OBC in year 2015-16.

Table 3.17 Age Specific enrolment in secondary

Age	Class 9			Class 10			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
14	35781	31546	67327	35511	30520	66031	71292	62066	133358
15	15705	13987	29692	36599	33793	70392	52304	47780	100084
Total	51486	45533	97019	72110	64313	136423	123596	109846	233442

Source : U-DISE 2015-16

The share of 14 and 15 year age children in total enrolment at secondary i.e. 388613 level is 60.07%. The population of girls enrolment in 14 and 15 age group children out of the total girls enrolment is 59.32%.

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	24681	23825	48506	25665	24350	50015	50346	48175	98521
17	12574	12237	24811	23194	22998	46192	35768	35235	71003
Total	37255	36062	73317	48859	47348	96207	86114	83410	169524

Source : U-DISE 2015-16

The share of 16 and 17 year age children in total enrolment at higher secondary i.e. 308681 level is 54.91%. The share of girls enrolment in total 16 and 17 age group children out of the total girls enrolment is 54.75%.

Gross and Net Enrolment Ratio (GER and NER) of Secondary Classes in Uttarakhand for year 2015-16

This table 3.19 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 3.88 lakhs children enrolled during 2015-16 for the secondary (IX and X) classes in Uttarakhand. By gender break-up, there are 203450 and 185163 respectively of male and female children enrolled for the secondary classes in the state during 2015-16. The projections for the secondary school age population are as on 1st March. Taking the projections of secondary school age population for years 2015-16 is 455207.

The gross enrolment ratio (GER) of secondary schooling in the state is about 85.37 percent during 2015-16. The gender-wise gross enrolment ratio (GER) of secondary school age male and female children is 85.48% and 85.25% 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	84.10	83.75	83.93	100.98	101.54	101.26	84.78	89.19	86.75
2	BAGESHWAR	84.13	83.68	83.91	103.70	101.64	102.69	84.62	90.91	88.14
3	CHAMOLI	84.13	83.68	83.92	103.60	101.53	102.63	84.18	89.80	86.73
4	CHAMPAWAT	85.70	84.51	85.12	99.34	100.81	100.04	100.00	96.67	98.18
5	DEHRADUN	87.34	88.32	87.79	104.89	107.94	106.40	85.96	93.24	89.53
6	HARIDWAR	86.16	84.68	85.47	101.11	102.39	101.71	84.29	89.71	86.75
7	NAINITAL	85.73	85.67	85.70	98.36	101.77	99.97	84.39	89.88	87.61
8	PAURI	87.30	87.79	87.53	103.42	106.23	104.77	84.62	89.80	86.43
9	PITHORAGARH	84.03	83.73	83.89	99.91	101.51	100.68	84.36	90.00	86.96
10	RUDRAPRAYAG	84.80	84.87	84.83	100.48	101.81	101.10	100.00	100.00	100.00
11	TEHRI	84.19	83.95	84.07	99.44	100.89	100.16	85.71	80.00	82.35
12	U.S. NAGAR	84.68	84.43	84.56	99.11	101.72	100.38	84.32	89.86	87.00
13	UTTARKASHI	84.04	83.79	83.91	99.85	101.27	100.55	85.29	100.00	92.06
	TOTAL	85.48	85.25	85.37	100.95	102.61	101.75	85.06	91.37	88.13

Source : U-DISE 2015-16

The above table shows that the GER at secondary level increased year by year 70.25% to 85.37% from year 2009-10 to 2015-16 respectively. The GER at higher secondary level increased 65.44% to 74.74% from year 2009-10 to 2015-16.

Table 3.20 District wise NER

S. No.	District	All Category		
		Boys	Girls	Total
1	ALMORA	49.96	49.77	49.86
2	BAGESHWAR	48.17	47.00	47.59
3	CHAMOLI	47.60	49.02	48.27
4	CHAMPAWAT	51.62	49.25	50.46
5	DEHRADUN	53.30	52.47	52.91
6	HARIDWAR	46.74	44.01	45.47
7	NAINITAL	51.03	47.98	49.56
8	PAURI	78.02	79.98	78.96

S. No.	District	All Category		
		Boys	Girls	Total
9	PITHORAGARH	48.75	48.27	48.53
10	RUDRAPRAYAG	46.13	48.11	47.08
11	TEHRI	49.92	47.89	48.92
12	U.S. NAGAR	51.17	48.46	49.88
13	UTTARKASHI	44.82	42.00	43.43
TOTAL		51.93	50.58	51.28

Source : U-DISE 2015-16

The net enrolment ratio at secondary level was 39.00% in year 2009-10 and it increased by 2.04% annual growth rate and become 51.28% in year 2015-16 at secondary level in Uttarakhand.

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	76.53	82.48	79.46	12.29	9.86	11.09
Bageshwar	83.47	88.92	86.20	9.86	5.95	7.90
Chamoli	77.97	89.62	83.50	13.77	6.91	10.51
Champawat	81.11	85.57	83.32	7.98	5.07	6.54
Dehradun	80.07	84.03	81.93	5.81	4.82	5.34
Haridwar	65.18	63.69	64.47	5.62	4.67	5.17
Nainital	78.72	85.09	81.72	9.17	8.44	8.83
Pauri	86.18	90.10	88.07	6.97	4.42	5.74
Pithoragarh	87.06	88.75	87.85	8.17	5.49	6.92
Rudraprayag	80.02	87.54	83.69	12.10	6.86	9.54
Tehri	82.19	88.19	85.17	9.17	5.70	7.45
US Nagar	77.27	81.62	79.32	7.63	7.42	7.53
Uttarkashi	84.14	86.21	85.16	8.50	7.21	7.87
Total	78.16	82.25	80.12	8.10	6.27	7.22

Source: U-DISE 2015-16

The above table shows that the promotion rate at secondary level is 80.12 while the repetition rate at secondary level 7.22%.

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	11.19	7.67	9.45	88.81	92.33	90.55
Bageshwar	6.67	5.13	5.90	93.33	94.87	94.10
Chamoli	8.26	3.47	5.99	91.74	96.53	94.01

District	Drop Out Rate			Retention Rate		
	Boys	Girls	Total	Boys	Girls	Total
Champawat	10.91	9.36	10.15	89.09	90.64	89.85
Dehradun	14.12	11.16	12.73	85.88	88.84	87.27
Haridwar	29.20	31.64	30.36	70.80	68.36	69.64
Nainital	12.11	6.48	9.46	87.89	93.52	90.54
Pauri	6.85	5.48	6.19	93.15	94.52	93.81
Pithoragarh	4.77	5.76	5.24	95.23	94.24	94.76
Rudraprayag	7.88	5.59	6.76	92.12	94.41	93.24
Tehri	8.63	6.11	7.38	91.37	93.89	92.62
US Nagar	15.10	10.95	13.14	84.90	89.05	86.86
Uttarkashi	7.36	6.57	6.97	92.64	93.43	93.03
Total	13.73	11.48	12.65	86.27	88.52	87.35

Source: U-DISE 2015-16

The above table reveals that in year 2015-16 the drop rate is 12.65 percent and the retention rate 87.35 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 2015) to the enrolment in class VIII in the previous year of the reference year (i.e. 2014).

Table 3.23 District wise Transition Rate (Year 2015-16)

District	Transition Rate Class VIII to Class IX		
	Boys	Girls	Total
Almora	97.86	97.34	97.60
Bageshwar	92.68	96.33	94.49
Chamoli	97.89	97.67	97.78
Champawat	93.00	89.59	91.33
Dehradun	106.17	102.42	104.41
Haridwar	85.77	78.87	82.45
Nainital	94.11	95.36	94.71
Pauri	94.46	95.50	94.97
Pithoragarh	101.10	97.48	99.36
Rudraprayag	93.22	94.29	93.75
Tehri	93.07	91.48	92.28
US Nagar	91.58	92.01	91.78
Uttarkashi	92.01	91.90	91.95
Uttarakhand	94.80	93.00	93.93

Source: U-DISE 2015-16

According to U-DISE source, the enrolment in class VIII during 2014-15 was 1.93 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 2015-16. With these numbers the new entrants in class IX is derived as 1.77 lakhs after excluding the repeaters. Then the transition rate for the reference year 2014-15 from elementary to secondary level is 93.93%.

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 1545 children with special needs enrolled for the secondary and higher secondary classes in Uttarakhand during 2015-16.

Table 3.24 Status of Enrolment of Disabled Children

S.No.	District	Boys	Girls	Total
1	ALMORA	49	31	80
2	BAGESHWAR	47	61	108
3	CHAMOLI	54	44	98
4	CHAMPAWAT	61	52	113
5	DEHRADUN	81	103	184
6	HARIDWAR	61	36	97
7	NAINITAL	31	41	72
8	PAURI	53	94	147
9	PITHORAGARH	66	38	104
10	RUDRAPRAYAG	28	42	70
11	TEHRI	78	62	140
12	U.S. NAGAR	148	102	250
13	UTTARKASHI	42	40	82
TOTAL		799	746	1545

Source: U-DISE 2015-16

The gender distribution of the physically challenged children enrolled for the secondary and higher secondary classes indicate that the female children account about 48.28% 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	961	66	1027	17	0	17	944	66	1010
2	H.S. school	1289	317	1606	608	0	608	681	317	998
	Total	2250	383	2633	625	0	625	1625	383	2008

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
(Refer Table 3.5)**

Sl. No.	Name of District	No. of Schools	Dept. of Education	Tribal/Social Welfare Department	Local Body	Pvt. Aided	Un-Aided Schools	Centra l Govt.	Madarsa
1	ALMORA	335	260	0	1	39	32	3	0
2	BAGESHWAR	120	90	0	0	16	11	3	0
3	CHAMOLI	252	199	1	0	25	22	5	0
4	CHAMPAWAT	138	105	0	0	8	21	4	0
5	DEHRADUN	461	165	5	2	55	213	21	0
6	HARDWAR	255	89	0	0	54	107	4	1
7	NAINITAL	307	188	1	0	34	79	5	0
8	GARHWAL	421	302	0	1	75	39	4	0
9	PITHORAGARH	262	208	3	0	10	37	4	0
10	RUDRAPRAYAG	148	109	0	0	20	17	2	0
11	TEHRI	328	282	0	0	15	28	3	0
12	U.S. NAGAR	320	123	4	0	28	158	2	5
13	UTTARKASHI	150	124	0	0	3	21	2	0
	Total	3497	2244	14	4	382	785	62	6

Source: U-DISE 2015-16

This table show that 64.16% school are managed by state government. Only 22.44% schools are managed by private unaided bodies.

Table 3.27 Schooling Structure (Total schools) (Refer Table 3.4)

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	1	24	116	192	1	1	0	335
2	BAGESHWAR	1	3	41	74	0	1	0	120
3	CHAMOLI	9	5	88	130	12	8	2	254
4	CHAMPAWAT	5	8	50	65	4	6	0	138
5	DEHRADUN	45	179	56	113	47	21	1	462
7	HARDWAR	25	64	46	70	29	21	4	259
8	NAINITAL	15	66	83	141	1	1	1	308
6	PAURI	5	26	135	243	7	5	0	421
9	PITHORAGARH	11	17	95	133	4	2	0	262
10	RUDRAPRAYAG	3	5	35	84	8	13	0	148
11	TEHRI	5	6	52	189	64	12	0	328
12	U.S.NAGAR	31	79	91	96	13	10	7	327
13	UTTARKASHI	8	5	7	70	45	15	0	150
State Total		164	487	895	1600	235	116	15	3512

Source: U-DISE 2015-16

Table 3.28 Schools by Category (Refer Table 3.3)

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	118	217	0	0	0	0
2	BAGESHWAR	42	78	0	0	0	0
3	CHAMOLI	109	145	0	0	0	0
4	CHAMPAWAT	59	79	0	0	0	0
5	DEHRADUN	148	314	0	0	0	0
6	HARIDWAR	100	159	0	0	0	0
7	NAINITAL	99	209	0	0	0	0
8	PAURI	147	274	0	0	0	0
9	PITHORAGARH	110	152	0	0	0	0
10	RUDRAPRAYAG	46	102	0	0	0	0
11	TEHRI	121	207	0	0	0	0
12	U.S. NAGAR	135	192	0	0	0	0
13	UTTARKASHI	60	90	0	0	0	0
TOTAL		1294	2218	0	0	0	0

Source: U-DISE 2015-16

(ii) Access to Secondary Schooling Facilities

Table 3.29 Infrastructure Gap in Secondary School

S. No.	District	Total Govt. Secondary School	Without Class Room	Without Toilet	Without Drinking Water	Without Electricity	Without Play Ground	Without Library	Without Computer Room	Without Science Lab	Without Art & Craft
1	ALMORA	260	1	1	13	9	67	67	45	42	72
2	BAGESHWAR	90	0	0	10	14	76	71	56	43	80
3	CHAMOLI	199	0	0	16	19	31	82	55	42	93
4	CHAMPAWAT	105	8	0	28	14	52	78	50	56	89
5	DEHRADUN	165	29	2	7	9	59	45	33	27	57
7	HARIDWAR	89	29	11	21	26	54	63	53	47	69
8	NAINITAL	188	2	0	10	4	40	60	39	43	66

S. No.	District	Total Govt. Secondary School	Without Class Room	Without Toilet	Without Drinking Water	Without Electricity	Without Play Ground	Without Library	Without Computer Room	Without Science Lab	Without Art & Craft
6	PAURI	302	3	0	18	9	57	79	49	50	87
9	PITHORAGARH	208	2	0	19	15	58	76	54	59	86
10	RUDRAPRAYAG	109	10	0	10	5	51	90	66	56	94
11	TEHRI	282	24	0	17	15	62	76	49	41	85
12	U.S. NAGAR	123	4	2	1	2	46	67	47	50	75
13	UTTARKASHI	124	52	6	34	31	65	81	53	52	92
TOTAL		2244	11	1	16	12	55	72	49	46	80

This table show that out of the total school managed by state government 11% schools are without classroom, 1% are without any toilet, 16% are without drinking water, 12% are without electricity, 55% are without Play ground, 72% are without library, 49% are without computer room, 46% are without integrated science lab and 80% 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 (Refer Table 3.3)

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	
		Seconda ry (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	118	217	621927	19	35	5	3
2	Bageshwar	42	78	259840	16	30	6	3
3	Chamoli	109	145	391114	28	37	4	3
4	Champawat	59	79	259315	23	30	4	3
5	Dehra Dun	148	314	1698560	9	18	11	5
6	Haridwar	100	159	1927029	5	8	19	12
7	Nainital	99	209	955128	10	22	10	5
8	Pauri	147	274	686527	21	40	5	3
9	Pithoragarh	110	152	485993	23	31	4	3
10	Rudraprayag	46	102	236857	19	43	5	2
11	Tehri	121	207	616409	20	34	5	3
12	US Nagar	135	192	1648367	8	12	12	9
13	Uttarkashi	60	90	329686	18	27	5	4
Total		1294	2218	10116752	13	22	8	5
Only Govt. School		957	1293	10116752	9	13	11	8

Source: U-Dise 2015-16

In district Chamoli the highest number of secondary i.c. is 28 schools and in district Rudrapryag highest number of higher secondary i.c. 43 school available for per lakh population while in district Haridwar the lowest number of school i.c. 5 and 8 secondary and higher secondary 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	859	103	89.29
3	Chamoli	2051	1808	243	88.15
4	Champawat	1246	1078	168	86.52
5	Dehradun	1634	1459	175	89.29
6	Haridwar	823	783	40	95.14
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	2240	317	87.60
12	U.S. Nagar	1214	1156	58	95.22
13	Uttarkashi	1167	1008	159	86.38
Total		25050	22949	2101	91.61

Source: School Mapping 2010-11

This table shows that out of total 25050 habitations 22949 habitations are covered with secondary education facility within radius of 5 km. and rest 2101 habitations are without secondary school facilities with in the 5 km radius. Total 02 UPS are proposed for upgradation during plan 2016-17. 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.

S.No.	District	SCR
1	ALMORA	22:1
2	BAGESHWAR	25:1
3	CHAMOLI	20:1
4	CHAMPAWAT	27:1
5	DEHRADUN	36:1
6	HARIDWAR	40:1

S.No.	District	SCR
7	NAINITAL	30:1
8	PAURI	17:1
9	PITHORAGARH	21:1
10	RUDRAPRAYAG	28:1
11	TEHRI	28:1
12	U.S. NAGAR	48:1
13	UTTARKASHI	55:1
Total		27:1

In Uttarakhand, the total number of classrooms available for the teaching activity for secondary classes was 7948 during 2009-10. In terms of classroom availability for the enrolled children for the year 2014-15 is 28 children per classroom. In 2015-16 total classroom available for teaching learning process is 7234 for 198188 students i.e. one classroom is available for 27 students.

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 17729 full-time regular teachers in government schools in Uttarakhand for the year 2015-16. The total number of teachers available for secondary classes in the state is 24714.

Table 3.32 Teachers Position in Secondary School, 2015-16

Particulars	Govt.			Others			Total		
	M	F	Total	M	F	Total	M	F	Total
No. of Working Teachers	13101	4628	17729	3703	3282	6985	16804	7910	24714
% of Female Teacher	26.10			46.98			32.00		

Source: U-Dise 2015-16

It can also be seen that 26.10% female teachers are working in government secondary schools. In total 32.00% of female teachers are working in secondary school.

Pupil Teacher Ratio:

According to the U-DISE data, the pupil teacher ratio (PTR) is 16:1 as a whole. The pupil teacher ratio seems to be high i.e. 28:1 in aided school as compared to government and other schools i.e. 11:1 and 27:1.

Table 3.33 PTR

SN	Type of School	Total Enrolment	No. of Working Teacher	PTR
1	Govt. School	198188	17729	11:1
2	Aided School	57508	2086	28:1
3	Other School	132917	4899	27:1
	Total School	388613	24714	16:1

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 1.85 lakhs children appeared in class X board exam in the state during 2014-15 and 1.41 lakhs (76.21%) 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		Total	Number of Students Passed in The Class X Board Examination		Total
			Class 10 Boys	Class 10 Girls		Class 10 Boys	Class 10 Girls	
1	ALMORA	General	5423	5252	10675	4071	3994	8065
	ALMORA	SC	2214	2146	4360	1313	1517	2830
	ALMORA	ST	38	28	66	38	25	63
	ALMORA	OBC	241	235	476	171	170	341
			7916	7661	15577	5593	5706	11299
2	BAGESHWAR	General	1805	1874	3679	1521	1688	3209
	BAGESHWAR	SC	974	966	1940	684	760	1444
	BAGESHWAR	ST	4	12	16	4	16	20
	BAGESHWAR	OBC	141	148	289	121	126	247
			2924	3000	5924	2330	2590	4920
3	CHAMOLI	General	3361	3101	6462	2248	2578	4826
	CHAMOLI	SC	1234	1015	2249	616	739	1355
	CHAMOLI	ST	71	60	131	51	52	103
	CHAMOLI	OBC	78	86	164	56	67	123
			4744	4262	9006	2971	3436	6407
4	CHAMPAWAT	General	1961	2038	3999	1509	1599	3108
	CHAMPAWAT	SC	610	594	1204	367	389	756
	CHAMPAWAT	ST	8	11	19	4	11	15
	CHAMPAWAT	OBC	204	153	357	115	119	234
			2783	2796	5579	1995	2118	4113
5	DEHRADUN	General	9739	7881	17620	8165	7119	15284
	DEHRADUN	SC	2078	2212	4290	1270	1604	2874
	DEHRADUN	ST	1200	1390	2590	909	1022	1931
	DEHRADUN	OBC	2047	1906	3953	1348	1448	2796
			15064	13389	28453	11692	11193	22885
6	HARDWAR	General	2356	2110	4466	1931	1698	3629
	HARDWAR	SC	3124	3029	6153	1956	1947	3903
	HARDWAR	ST	62	210	272	60	106	166
	HARDWAR	OBC	4903	4007	8910	3258	2985	6243
			10445	9356	19801	7205	6736	13941
7	NAINITAL	General	6080	5101	11181	4875	4307	9182
	NAINITAL	SC	2224	2106	4330	1196	1443	2639
	NAINITAL	ST	92	136	228	47	87	134
	NAINITAL	OBC	830	935	1765	515	711	1226
			9226	8278	17504	6633	6548	13181
8	GARHWAL	General	5916	5456	11372	4899	4778	9677
	GARHWAL	SC	1779	1638	3417	1224	1319	2543
	GARHWAL	ST	35	26	61	19	23	42
	GARHWAL	OBC	188	151	339	142	119	261
			7918	7271	15189	6284	6239	12523
9	PITHORAGARH	General	3249	2648	5897	2815	2347	5162
	PITHORAGARH	SC	1716	1518	3234	1246	1253	2499
	PITHORAGARH	ST	161	137	298	130	116	246
	PITHORAGARH	OBC	606	621	1227	488	513	1001
			5732	4924	10656	4679	4229	8908
10	RUDRAPRAYAG	General	2131	2093	4224	1638	1845	3483
	RUDRAPRAYAG	SC	696	699	1395	474	536	1010
	RUDRAPRAYAG	ST	0	9	9	0	1	1
	RUDRAPRAYAG	OBC	53	60	113	42	55	97
			2880	2861	5741	2154	2437	4591
11	TEHRI	General	5018	5169	10187	3828	4227	8055
	TEHRI	SC	1501	1493	2994	1016	1088	2104
	TEHRI	ST	7	11	18	7	9	16
	TEHRI	OBC	724	728	1452	551	595	1146
			7250	7401	14651	5402	5919	11321
12	U.S.NAGAR	General	5256	4558	9814	4264	3765	8029
	U.S.NAGAR	SC	3625	3272	6897	2221	2084	4305
	U.S.NAGAR	ST	1402	1413	2815	816	986	1802

S. No.	District	CASTE	Number of Students Appeared in The Class X Board Examination		Total	Number of Students Passed in The Class X Board Examination		Total
			Class 10 Boys	Class 10 Girls		Class 10 Boys	Class 10 Girls	
	U.S.NAGAR	OBC	5474	5050	10524	3517	3832	7349
	Total		15757	14293	30050	10818	10667	21485
13	UTTARKASHI	General	599	520	1119	532	478	1010
	UTTARKASHI	SC	1087	1070	2157	747	765	1512
	UTTARKASHI	ST	58	33	91	51	41	92
	UTTARKASHI	OBC	2083	2050	4133	1655	1623	3278
	Total		3827	3673	7500	2985	2907	5892
	UTTARAKHAND	General	52894	47801	100695	42296	40423	82719
	UTTARAKHAND	SC	22862	21758	44620	14330	15444	29774
	UTTARAKHAND	ST	3138	3476	6614	2136	2495	4631
	UTTARAKHAND	OBC	17572	16130	33702	11979	12363	24342
	Total		96466	89165	185631	70741	70725	141466

Source: DISE 2015-16

The U-DISE data shows that 62.68% boys and 70.98% girls passed in SC category, where as in ST category 68.06% boys and 71.77% girls passed, in the OBC category 68.17% boys and 76.64% 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 Upadhyaya 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. 2900.46 crores in 2010-11 to Rs. 3957.28 in the last budget allocation during 2014-15. The expenditure on secondary school education has increased from Rs. 1396.45 crores to Rs. 2136.05 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	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
1	Total School Education	2900.46	3213.23	3624.58	3738.88	3957.28	4510.40
2	Elementary Education	1504.01	1618.02	1773.35	1821.23	1821.23	2303.00
3	Secondary Education	1396.45	1595.20	1851.22	1917.65	2136.05	2207.40

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.)	Unit Cost as per DSR	
						Hill	Plain
1	Classroom	02/04	49		66.00	17.79	12.27
2	Laboratory	01	49		66.0	19.09	14.97
3	Principal Room	01	49		66.00	17.79	12.27
4	Office and Staff Room	01	49		66.00	17.79	12.27
5	Computer Lab	01	49		66.00	17.79	12.27
6	Library	01	80		100.00	23.23	15.13
7	Art and Craft Room	01	49		66.00	17.79	12.27
8	Toilet Block	01		0.00	11.17	7.51	

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

Annual Growth Rate in Enrolment and Projected Enrolment																								
Class	2009-10			2010-11			2011-12			2012-13			2013-14			2014-15			2015-16			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	101104	90991	192095	103562	94967	198497
X	90625	79050	169675	97549	83217	180766	101907	90927	192834	101668	94570	196238	102513	93406	195919	104068	96701	200769	102346	94172	196518	104180	97576	201730

Class	2009-10			2010-11			2011-12			2012-13			2013-14			2014-15			2015-16			2016-17		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Total	181686	154682	336368	195698	169185	364883	202687	178761	381448	202406	187561	389967	204390	186543	390933	207549	190810	398359	203450	185163	388613	207742	192536	400224
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			2014-15 to 2015-16			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	-2.4	-3.4	-2.9	0.1	0.9	0.5
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	-1.7	-2.7	-2.2	0.1	0.9	0.5
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	-2.0	-3.0	-2.5	0.1	0.9	0.5
XI	62171	51030	113201	70846	64369	135215	74901	66440	141341	76348	73284	149632	78721	73149	151870	76778	74021	150799	78127	75976	154103	77609	76602	154134
XII	56582	51358	107940	71916	60013	131929	72000	67051	139051	72893	68997	141590	77033	73782	150815	83566	78534	162100	78217	76361	154578	85446	81187	166632
Total	118753	102388	221141	142762	124382	267144	146901	133491	280392	149241	142281	291222	155754	146931	302685	160344	152555	312899	156344	152337	308681	162913	157718	320585
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			2014-15 to 2015-16			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	1.76	2.64	2.19	1.1	3.5	2.2
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	-6.40	-2.77	-4.64	2.2	3.4	2.8
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	-2.49	-0.14	-1.35	1.6	3.4	2.5

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 3.36 lakhs in 2009-10, 3.64 lakhs in 2010-11, 3.81 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 2015-16 is 85.37%.

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
10	2015-16	241830	222672	220120	215768	214818	203359	198864	195242	1712673

Source: DISE and U-Dise 2015-16

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 (2015-16) to the enrolment in class VIII in the previous year (2014-15).

The current transition rate between class VIII and class IX is 93.93 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 2015-16)

District	Transition Rate Class VIII to Class IX		
	Boys	Girls	Total
Almora	97.86	97.34	97.60
Bageshwar	92.68	96.33	94.49
Chamoli	97.89	97.67	97.78
Champawat	93.00	89.59	91.33
Dehradun	106.17	102.42	104.41
Haridwar	85.77	78.87	82.45
Nainital	94.11	95.36	94.71
Pauri	94.46	95.50	94.97
Pithoragarh	101.10	97.48	99.36
Rudraprayag	93.22	94.29	93.75
Tehri	93.07	91.48	92.28
US Nagar	91.58	92.01	91.78
Uttarkashi	92.01	91.90	91.95
Uttarakhand	94.80	93.00	93.93

Source: U-DISE 2015-16

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			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

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

Year	State Govt.	LB	Central	Aided	Unaided	Total
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.

- 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.
- 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.
- 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.
- 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		*

- 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

S. No.	Particulars	No of units	Norms
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., 2015 to Jan., 2016	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., 2015 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

S. No.	Activity	Duration/ Place	Participants Sources	Major Issues
3	National Level Workshop on AWPB	02 days, New Delhi 28-29 Jan., 2016	State Plan Team	
4	Orientation of State Planning Team.	SPO 01 & 02 Feb., 2016	All State Planning Team members and State level Education Officers.	<ul style="list-style-type: none"> About CSSs norms. Plan preparation exercise. Orientation about revised norms. Implementation of CSS at different level. Discussion on preparation of AWPB.
5	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.
6	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.
7	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.
8	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
9	Orientation of District Planning Team	02 days, SPO 02-03 Feb., 2016	All DPT members	<ul style="list-style-type: none"> Brief about planning/Norms and Budget. Data analysis. Need analysis. Strategies for implementation 1st draft of AWPB.
10	Analysis of district plan	04 days, SPO 02-05 Mar., 2016	District planning Team.	<ul style="list-style-type: none"> Need analysis Progress review Analysis of district proposals Analysis of budgetary proposals Suggestion for improvement
11	Appraisal of district plan by state appraisal team	03 Mar., 2016 04 Mar., 2016 05 Mar., 2016	Pauri, Uttarkashi, Rudraprayag & Nainital Almora, Bageshwar, Champawat, Chamoli & Pithoragarh Haridwar, US Nagar, Dehradun & Tehri	<ul style="list-style-type: none"> Appraisal of AWPB 2016-17 Suggestions for improvement in plan by state appraisal team Diagnosis of district specific needs and strategies suggested to resolve the district specific problems.
12	Analysis of Integrated State Plan	08-10 Mar., 2016	State Planning Team	Educational indicators, Planning process, Access, Infrastructure, Vocational

S. No.	Activity	Duration/ Place	Participants Sources	Major Issues
				Education, ICT, Girls Hostel, IEDSS, Equity Interventions, Quality Interventions, Convergence, Monitoring Issues, Progress Review, Proposed Budget.
13	Meeting of SPT for state Plan	08 Mar., 2016 SPO	• SPT member	<ul style="list-style-type: none"> • Discussion on all relative issues • Renew of previous year progress. • Data analysis U-DISE (district wise)
14	Improvement of district plan	08-10 Mar., 2016	• DPT members	• Include suggestions and correction in district plan.
15	Presentation of District Plan by DPO	10 Mar., 2016	• All DPO and DPT Members	-
16	Review of State Plan	01 Apr., 2016	• State Planning Team Members	-
17	Approval of EC	13 Apr., 2016	<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
18	Final Appraisal of District/ State Plan	14 Apr., 2016	• State Appraisal Team	• Appraisal process.
19	submission of plan	15 Apr., 2016	• SPT member	• 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 U-DISE 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 2015-16

S.No.	Activity	Time
1	State level training of district PMIS co-ordinator, Computer Programmer/Computer Operator	22/09/2015
2	Printing of DCF	26/0/2015
3	Availability of DCF up to block level	28/09/2015
4	Availability of DCF up to district level	30/09/2015
5	District level training of block/ cluster co-ordinator	03/10/2015
6	Training of DCF for teacher at cluster level	06/10/2015
7	To fill DCF according to 30 th Sep. 2015 and collection at cluster level	08/10/2015
8	100% checking of DCF at cluster level	12/10/2015
9	Collection of DCF at block level	14/10/2015
10	25% sample checking at block level	19/10/2015
11	Collection of DCF at district level & 10% sample check	23/10/2015
12	Data computerization work at district level	24/10/2015 to 20/11/2015
13	Checking of DCF district level, correction of discrepancy & validation of data by district level officers	24/11/2015
14	To provide DCF at school level after data validation	29/11/2015
15	5% sample check by out sourcing agency	30/11/2015
16	Sharing of DISE data at district level , to provide school report card at school level and to analyze U-DISE data for planning	13/12/2015
17	After Checking the discrepancy & scrutiny of data to provide the DCF at state level	15/12/2015
18	To develop educational development index	20/12/2015
19	Sharing of U-DISE data at state level	25/12/2015
20	Forward U-DISE data to GOI, NUEPA & TSG	31/12/2015

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 civil 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.

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 exercise is completed with the help of Uttarakhand State Application Centre (USAC).

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	859	103	0	0
3	CHAMOLI	2051	1808	243	0	0
4	CHAMPAWAT	1246	1078	168	0	0
5	DEHRADUN	1634	1459	175	0	0
6	HARIDWAR	823	783	40	0	0
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	2240	317	0	0
12	U.S. NAGAR	1214	1156	58	2	4
13	UTTARKASHI	1167	1008	159	0	0
Uttarakhand		25050	22949	2101	2	4

- 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 is 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	School upgraded in 2015-16	Total	No. of school functioning
1	Almora	04	07	14	03	0	28	28
2	Bageshwar	02	05	08	02	01	18	17
3	Champawat	0	05	11	04	0	20	20
4	Chamoli	02	05	11	03	01	22	21
5	Dehradun	03	04	08	12	0	27	27
6	Haridwar	02	07	09	08	05	31	26
7	Nainital	01	05	07	0	0	13	13
8	Tehri	03	03	12	04	01	23	22
9	Pithoragarh	02	06	22	0	0	30	30
10	Pauri	01	03	10	01	0	15	15

S No.	District	School upgraded in 2009-10	School upgraded in 2010-11	School upgraded in 2011-12	School upgraded in 2013-14	School upgraded in 2015-16	Total	No. of school functioning
11	Rudraprayag	01	02	03	01	0	07	07
12	U.S. Nagar	01	03	19	04	0	27	27
13	Uttarkashi	01	03	13	01	01	19	18
Total		23	58	147	43	09	280	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		2015-16	
		Sanc.	Func.	Sanc.	Func.	Sanc.	Sanc.	Sanc.	Func.	Sanc.	Func.
1	Dehradun	03	03	04	04	08	08	12	12	0	0
2	Haridwar	02	02	07	07	09	09	08	08	05	0
3	Tehri	03	03	03	03	12	12	04	04	01	0
4	Uttarkashi	01	01	03	03	13	13	01	01	01	0
5	Pauri	01	01	03	03	10	10	01	01	0	0
6	Chamoli	02	02	05	05	11	11	03	03	01	0
7	Rudraprayag	01	01	02	02	03	03	01	01	0	0
8	Almora	04	04	07	07	14	14	03	03	0	0
9	Bageshwar	02	02	05	05	08	08	02	02	01	0
10	Champawat	0	0	05	05	11	11	04	04	0	0
11	Nainital	01	01	05	05	07	07	0	0	0	0
12	Pithoragarh	02	02	06	06	22	22	0	0	0	0
13	US Nagar	01	01	03	03	19	19	04	04	0	0
Total		23	23	58	58	147	147	43	43	09	0

09 up-graded schools in 2015-16 will be functional from academic year 2016-17.

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	2015-16	
1	Classroom	02/04	137	140	364	49	22	712
2	Head master	01	23	58	147	43	09	280
3	Office room	01	23	58	147	43	09	280
4	Library room	01	23	58	147	43	09	280
5	Computer room	01	23	58	147	43	09	280
6	Laboratory	01	23	58	147	43	09	280
7	Art and Craft room	01	23	58	147	43	09	280
8	Toilet block	01	23	58	147	43	09	280
9	Lab equipment	01	23	58	147	43	09	280

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 in year 2010-11. State Government has also nominated State PWD as construction agency in year 2015-16. As per GOI norms SMCs/SMDCs are responsible for construction of civil works up to Rs. 30.00 lakhs. 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

For the year 2016-17, 02 upper primary schools are being proposed for up-gradation.

Table 5.5 Proposal for Up-gradation of Upper Primary School in 2016-17

S. N.	District	Name of the UPS	UDISE Code	Expected Enrol. Class IX	Distance from nearest Sec. School	Proposed Cost (Civil Work)	Furniture Cost	Lab Equip. Cost	Total Cost
1	U.S. NAGAR	UPS CHITRANJANPUR (2 Section)	05120104607	76	6 Km	135.77	7.35	1.00	144.12
2	U.S. NAGAR	UPS PATHAR CHATTA (2 Section)	05120201809	100	6 Km	135.77	7.35	1.00	144.12
Total						271.54	14.70	2.00	288.24

Above proposed 02 Upper Primary School will be covered 04 habitations out of 2119 un-served habitations. 2115 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 has been proposed staff for new up-graded school as follows:

S. N.	District	Name of the UPS	UDISE Code	Head Master	Assistant Teacher	Lab Att.	Office Att.	Total
1	U.S. NAGAR	UPS CHITRANJANPUR (2 Section)	05120104607	01	05	01	01	08
2	U.S. NAGAR	UPS PATHAR CHATTA (2 Section)	05120201809	01	05	01	01	08
Total				2	10	02	02	16

5.5 Proposed Salary for Head Master/Teacher/Lab Att./Office Att.

The salary proposed for Head Master @ Rs. 70,000/month, Assistant Teacher @ Rs. 60,000/month as per keeping in view the recommendations of 7th Pay Commission. GOI approved minimum amount of entry level pay scale but State Government paid actual amount drawn by Head Master or Teachers. State Government has borne Rs. 45.15 Crore additional amount for salary of teachers in year 2015-16.

Post of 1766 Lab Att. sanctioned by GOI in Existing Government secondary schools and 280 Office Att. & 280 Lab. Att. are sanctioned in up-graded schools. The status of recruited Lab Att. & Office Att. is following:

Office Attendant			Lab Attendant		
Sanctioned	Working	Vacant	Sanctioned	Working	Vacant
271	184	87	2037	1493	544

GOI has not sanctioned honorarium for Lab. Att. and Office Att., so RMSA SIS was not in a position to bear the extra burden of their honorarium, therefore as per the need the school and students for these Lab Att. and Office Att. the State Government has taken over the responsibility to provide honorarium to these Lab Att. and Office Att. for the year 2015-16.

Sanctioned Post in Up-graded schools in previous years:

(Rs. in lakh)

S.No.	No. of School	Designation	Nos.	Unit Cost	Proposed Budget
1	280	Head Masterrrr	280	8.40	2352.00
2	280	Assistant Teacher	1562	7.20	11246.40

Chapter - 6

Equity and Social Inclusion

6.1 Girls Oriented Activity

The following activities will be enhancing 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 183 no. of schools encompassing minimum 5460 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. 31.11 lakhs would be needed for the honorarium of expert for this activity.

Table 6.1 Proposal of Self Defence 2016-17

S.No.	Name of the district	Physical	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	15	0.17	2.55
2	Bageshwar	6	0.17	1.02
3	Chamoli	30	0.17	5.10
4	Champawat	4	0.17	0.68
5	Dehradun	25	0.17	4.25
6	Haridwar	18	0.17	3.06
7	Nainital	10	0.17	1.70
8	Pauri	15	0.17	2.55
9	Pithoragarh	12	0.17	2.04
10	Rudraprayag	3	0.17	0.51
11	Tehri	18	0.17	3.06
12	U.S. Nagar	21	0.17	3.57
13	Uttarkashi	6	0.17	1.02
Total		183	0.17	31.11

Financial Requirement

The total amount **Rs. 31.11 lakh** would be required for this activity.

6.1.2 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	GH CHAGETHI	KGBV BUILDING	5	0	0	18	23	0	18
2	DEHRADUN	GH TUINY	OWN BUILDING	22	27	2	0	51	0	0
3	DEHRADUN	GH KALSI	OWN BUILDING	9	35	0	1	45	0	1
4	HARIDWAR	GH BAJUHERI ROORKEE	KGBV BUILDING	15	0	1	0	16	0	16
5	HARIDWAR	GH BADIWALA BHAGWANPUR	KGBV BUILDING	10	0	10	0	20	0	20
6	HARIDWAR	GH GORDHANPUR KHANPUR	KGBV BUILDING	17	0	11	0	28	1	29
7	HARIDWAR	GH RANIMAJRA BAHADARABAD	KGBV BUILDING	23	0	1	0	24	0	24
8	HARIDWAR	GH HARJOLLY JAT NARSAN	KGBV BUILDING	10	0	4	0	14	0	14
9	HARIDWAR	GH AKBARPUR UD LAKSAR	KGBV BUILDING	13	0	9	0	22	2	24
10	TEHRI	GH RAUNSAI	KGBV BUILDING	3	0	0	30	33	0	30
11	TEHRI	GH RAUTU KI BELI	KGBV BUILDING	4	0	24	2	30	0	25
12	TEHRI	GH AMPATA	KGBV BUILDING	12	0	0	32	44	0	32
13	TEHRI	GH SUJARGAON	KGBV BUILDING	1	0	0	27	28	0	27
14	TEHRI	GH KAUSHAL	KGBV BUILDING	2	0	0	9	11	0	9
15	U.S. NAGAR	GH BAZPUR	KGBV BUILDING	3	5	1	1	10	0	1
16	UTTARKASHI	GH CHINYALI	KGBV BUILDING	17	0	23	0	40	0	13
17	UTTARKASHI	GH KHARSADI	KGBV BUILDING	5	0	22	0	27	0	0
18	UTTARKASHI	GH GANGNANI	Rented	16	0	7	0	23	0	0
19	UTTARKASHI	GH KANDIYALGAON	KGBV BUILDING	7	0	23	0	30	0	0
TOTAL				194	67	138	120	519	3	283

There are 519 girls residing in 19 Girls Hostels in current year. 12 Girls Hostels have already been completed and 04 are in the verge of completion before 31 march 2016 and remaining 03 will be completed in the month of June 2016. After the construction of own building 100 Girls will be enrolled in each hostel from year 2016-17.

6.1.4 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. 19 Chaukidar, 17 Head Cook & 34 Assistant Cook are in position. The contractual post are filled through Out Sourcing agency. All posts will be filled in 2016-17.

6.1.5 Girls Hostel Proposal for 2016-17

Non-Recurring Proposal

GOI has sanctioned Rs. 6.71 lakhs per Girls Hostel for furniture, bed and other equipments in 2012-13, due to escalation in prices the sanctioned amount is not sufficient for the same. The description, quantity and cost of required furniture and equipments for per Girls Hostel is following:

Table 6.3 Detail of Items and Budget for Girls Hostel

S. No.	Item	Description	Qty.	Unit Cost (including VAT)	Total (in Rs.)
1	Single cot	6x3 ft	103	3594	370182.00
2	Reading chair	Fiber seat,s.s frame	103	1381	142243.00
3	Reading table	3x2 m.s frame,plm board	103	1703	175409.00
4	Dining table for 8 person	8`x4` m.s frame	13	7188	93444.00
5	Dining chair	Plastic without handle	103	550	56650.00
6	Mattress	6x3 ft, cotton, approx 4 kg	103	473	48719.00
7	Pillow	cotton	103	189	19467.00
8	Bed sheet	cotton	103	378	38934.00
9	Mosquito net		103	946	97438.00
10	Thali	bhoj thal	103	142	14626.00
11	Kataori	standard size	103	35	3605.00
12	Spoon	standard size	108	6	648.00
13	Glass	200ml	103	30	3090.00
14	Aluminium patila	6-7 kg,	4	2800	11200.00
15	Iron kadai	15kg	2	1969	3938.00
16	Kardcha big	iron	2	245	490.00
17	Jharna	jali	1	158	158.00
18	Karchi small		6	70	420.00
19	Parat aluminium	for aata mesh 4.5 kg	1	1400	1400.00
20	Tawa iron	10 kg	800	2	1600.00
21	Pressure cooker	isi 22lt	2600	2	5200.00
22	Pressure cooker	isi 12 lt	2000	2	4000.00
23	Drum for aata	capacity 30kg	850	2	1700.00
24	Jug	steel 2 lt	350	9	3150.00
25	Knife	s.s	80	9	720.00
26	Belan	wooden	50	4	200.00

S. No.	Item	Description	Qty.	Unit Cost (including VAT)	Total (in Rs.)
Total					1098631.00
Approved by GOI for Furniture and others					671000.00
Additional Requirement					427631.00
Total Proposed Budget for 19 GH					8124989.00

This is proposed Rs. 81.25 lakhs additional grant for furniture and equipments.

Recurring Proposal

Head		(Rs. in lakhs)		
		Unit Cost	Phy	Fin
A	Recurring			
	a.1 Asstt. Cook (Two)	0.60000	38	22.80
	a.2 Chowkidar	0.60000	19	11.40
	a.3 Electricity / Water per year	0.60000	19	11.40
	a.4 Fooding/lodging expenditure for Girl Child	0.18000	1900	342.00
	a.5 Head Cook (One)	0.60000	19	11.40
	a.6 Honorarium of Warden (in addition to her salary teacher)	0.60000	19	11.40
	a.7 Maintenance per year	0.40000	19	7.60
	a.8 Medical care	0.00750	1900	14.25
	a.9 Miscellenious	0.40000	19	7.60
	a.10 News paper / Magazines and sports	0.24000	19	4.56
	a.11 Rent	0.60000	1	0.60
	a.12 Toiletries and sanitation	0.01200	1900	22.80
Total (Recurring)				467.81

6.1.6 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

6.1.7 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 of 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

6.2.1 Promotion of Art and Craft

The activity related to promotion of Art and Craft will be carried out in all the 189 sanctioned school in the State. The districts had identified these activities for their schools. These activities related to candle making, candle craft, painting, sewing and embroidery, doll making, wood craft, ringaal work (local craft), folk songs, folk dance, woolen works, local herbs, mat knitting etc. The schools have identified the local experts for these crafts. The activities and the name of the concerned local experts is being ratified by the SMDC/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.

Table 6.4 Proposal of Promotion of Art & Craft 2016-17

S.No.	Name of the District	Proposal 2016-17	Unit cost	Total Cost
1	Almora	20	0.2	4.00
2	Bageshwar	12	0.2	2.40
3	Chamoli	15	0.2	3.00
4	Champawat	10	0.2	2.00
5	Dehradun	25	0.2	5.00
6	Haridwar	12	0.2	2.40
7	Nainital	16	0.2	3.20
8	Pauri	30	0.2	6.00
9	Pithoragarh	24	0.2	4.80
10	Rudraprayag	6	0.2	1.20
11	Tehri	9	0.2	1.80
12	U.S. Nagar	21	0.2	4.20
13	Uttarkashi	6	0.2	1.20
Total		206	0.2	41.20

Financial Requirement

The total amount **Rs. 41.20 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 5065 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 5065 students as an additional academic support is proposed for the year 2016-17.

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 2016-17

Name of the districts	No. of schools	Physical (No. of students)	Unit cost (in lakh)	Total Amount (in lakh)
Almora	6	294	0.005	1.47
Bageshwar	25	942	0.005	4.71
Chamoli	32	941	0.005	4.71
Champawat	2	30	0.005	0.15
Dehradun	65	840	0.005	4.20
Haridwar	5	200	0.005	1.00
Nainital	20	500	0.005	2.50
Pauri	7	100	0.005	0.50
Pithoragarh	4	158	0.005	0.79
Rudraprayag	3	60	0.005	0.30
Tehri	4	150	0.005	0.75
U.S. Nagar	15	750	0.005	3.75
Uttarkashi	5	100	0.005	0.50
Total	193	5065	0.005	25.33

Financial Requirement

An amount of **Rs. 25.33 Lakhs** would be required for this activity.

6.2.3 Motivation Camp for Girls Students

In present time parents face difficulty in bringing up teenagers to motivating them to do their best, particularly in the academic field.

Motivation is intrinsic. It comes from within. Parents and teachers for that matter, can not force a young person to get motivated to learn more at school. The more they try the more resistance they receive.

The experience and study show that young people who are confident in themselves are more likely to be motivated to move out of their comfort zone.

Strategy

So may be the better question for parents is “How do I build confidence in my ward. The confidence is the key of success, and to build the confidence in girls students the motivation camp will be organized with the help of experts and psychologist. In the first phase the 30 selected girls from each block studying in class IX and X of the 28 educationally backward blocks as per the census of 2001 and 2011. Among these 28 blocks in 19EBB blocks girls hostel are running in the supervision of Rashtriya Madhyamik Shiksha Abhiyan and in 8 blocks namely Okhalkanda (Nainital), Champawat, Ghat Chamoli, Thalain (Pauri), Sitarganj (USN), Kapkot (Bageshwar), Lamgara (Almora), Gangolihat (Pithoragarh), KGBVs are functional. To cover all 13 districts Jakholi block of Rudrapur is also being proposed to hook up the Motivation Camp for Girls Students will participate in one day camp budget allocate.

Table 6.6 Proposal of Motivational Camp for Girls 2016-17

S.No.	Name of the District	No. of Students	Unit Cost	Total Cost
1	Almora	200	0.3	60.00
2	Bageshwar	100	0.3	30.00
3	Chamoli	100	0.3	30.00
4	Champawat	100	0.3	30.00
5	Dehradun	200	0.3	60.00
6	Haridwar	600	0.3	180.00
7	Nainital	100	0.3	30.00
8	Pauri	100	0.3	30.00
9	Pithoragarh	100	0.3	30.00
10	Rudrapur	100	0.3	30.00
11	Tehri	500	0.3	150.00
12	U.S. Nagar	200	0.3	60.00
13	Uttarkashi	400	0.3	120.00
Total		2800	0.3	840.00

Financial Requirement

An amount of **Rs 840.00 lakh** would be required for this activity.

6.2.4 Special Enrolment Drive

Now a days a paradigm shift has observed in the transition of students from Govt. Schools to public schools. The parents are interested to give the preference to public schools. Taking the stock of the present situation the Govt. of Uttarakhand has elevated 190 secondary schools to Model schools in the First phase providing all the basic amenities an infrastructure to schools.

Therefore there is a need to drive a campaign to sensitize the parents and community to motivate them to send their wards in the Govt. Schools instead of public schools.

Advertisement will be published in the local new paper to acquaint the community with the facilities being give by Govt. schools.

Table 6.7 Proposal of Special Enrolment Drive 2016-17

S.No.	Name of the District	No. of Schools	Unit Cost	Total Cost
1	Almora	260	0.01	2.60
2	Bageshwar	90	0.01	0.90
3	Chamoli	199	0.01	1.99
4	Champawat	105	0.01	1.05
5	Dehradun	165	0.01	1.65
6	Haridwar	89	0.01	0.89
7	Nainital	188	0.01	1.88
8	Pauri	302	0.01	3.02
9	Pithoragarh	208	0.01	2.08
10	Rudraprayag	109	0.01	1.09
11	Tehri	282	0.01	2.82
12	U.S. Nagar	123	0.01	1.23
13	Uttarkashi	124	0.01	1.24
Total		2244	0.01	22.44

Financial Requirement

An amount of **Rs 22.44 lakh** 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

7.7 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	Special School, Vocational training, Early Intervention Centre, Awareness	Ms. Jo Chopra Tel : 0135-2761014 contact@latikaroy.org

S.No.	Name of NGOs	Area of work	Contact
	Enclave Dehradun	Department	
12	Abhiprerna Foundation C/62,Shivalik Nagar BHEL, Haridwar	Special School for intellectually disabled and autism, Sensitization programmes	Dr. Dipesh Chandra Tel : 9319041049 abhi_foundation@rediffmail.com
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

S.No.	Name of NGOs	Area of work	Contact
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.	

Table 7.3 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	dhalwalask@gmail.com	9412053116
10	Dr. K.S. Chauhan	Paediatrician	CHC Viskas nagar, Dehradun	-	9412324440
11	Amit Sharma	PGT History	NIVH Dehradun	-	9045453985

7.8 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%.

7.9 Major Issues

7.9.1 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. 166.65 lakhs for

construction of resource rooms has been released to the construction agencies. As per the minutes of the PAB meeting for the year 2015-16, the GOI has agreed to surrender of 07 resource rooms. The net amount Rs. 9.35 lakhs is still awaited.

7.9.2 The salary of 36 special teachers for the year 2015-16

Under IEDSS scheme for year 2015-16 the GOI has sanctioned Rs. 76.92 Lakh for the salary of 37 special teachers @ Rs. 18000 for twelve month. The GOI has released only 1st installment. Therefore only five month salary have given to 36 special teachers and Rs. 45.36 Lakh still awaited for the salary of remaining seven month for the year 2015-16.

7.9.3 Stipend to Girls

Due to no released of second installment from GOI the stipend of Rs. 4.82 lakh for 402 girls for 06 month is still awaited.

Table 7.4 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 impairment			Locomotor disabilities			Mental retardation		
		B	G	T	B	G	T	B	G	T	B	G	T	B	G	T	B	G	T
1	ALMORA	2	1	3	10	4	14	0	0	0	3	4	7	18	14	32	5	0	5
2	BAGESHWAR	0	0	0	18	32	50	0	0	0	5	2	7	11	14	25	3	4	7
3	CHAMOLI	2	1	3	13	6	19	0	0	0	4	6	10	20	22	42	6	3	9
4	CHAMPAWAT	10	5	15	17	12	29	0	0	0	0	5	5	13	15	28	6	5	11
5	DEHRADUN	0	21	21	9	8	17	0	0	0	4	10	14	53	50	103	5	7	12
6	HARIDWAR	1	2	3	13	2	15	0	0	0	0	2	2	36	21	57	2	1	3
7	NAINITAL	1	1	2	1	7	8	0	0	0	4	4	8	14	18	32	2	3	5
8	PAURI	0	0	0	9	13	22	0	0	0	3	3	6	24	17	41	7	18	25
9	PITHORAGARH	1	2	3	19	9	28	0	0	0	11	3	14	16	13	29	4	2	6
10	RUDRAPRAYAG	0	0	0	3	7	10	0	0	0	2	2	4	20	30	50	3	2	5
11	TEHRI	0	1	1	23	11	34	0	0	0	7	10	17	44	33	77	2	3	5
12	U.S. NAGAR	5	2	7	28	12	40	0	0	0	6	8	14	101	65	166	0	3	3
13	UTTARKASHI	1	0	1	1	5	6	0	0	0	3	1	4	30	27	57	1	0	1
Total		23	36	59	164	128	292	0	0	0	52	60	112	400	339	739	46	51	97

S. No.	District	No. of Disabled Students enrolled in schools																	
		Mental Illness			Autism			Cerebral Palsy			Speech impairment			Learning Disability			Grand Total		
		B	G	T	B	G	T	B	G	T	B	G	T	B	G	T	B	G	T
1	ALMORA	4	0	4	1	0	1	2	0	2	2	6	8	2	2	4	49	31	80
2	BAGESHWAR	1	2	3	0	0	0	0	1	1	5	2	7	4	4	8	47	61	108
3	CHAMOLI	2	1	3	0	0	0	0	0	0	6	3	9	1	2	3	54	44	98
4	CHAMPAWAT	1	1	2	0	0	0	0	0	0	10	3	13	4	6	10	61	52	113
5	DEHRADUN	0	1	1	0	0	0	4	0	4	6	6	12	0	0	0	81	103	184
6	HARIDWAR	1	4	5	0	0	0	0	0	0	8	3	11	0	1	1	61	36	97
7	NAINITAL	1	1	2	0	0	0	1	0	1	5	5	10	2	2	4	31	41	72
8	PAURI	4	22	26	1	0	1	0	2	2	3	4	7	2	15	17	53	94	147
9	PITHORAGARH	1	1	2	0	0	0	2	0	2	7	0	7	5	8	13	66	38	104
10	RUDRAPRAYAG	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	28	42	70
11	TEHRI	0	0	0	0	0	0	0	0	0	2	4	6	0	0	0	78	62	140
12	U.S. NAGAR	0	0	0	0	2	2	0	4	4	7	6	13	1	0	1	148	102	250
13	UTTARKASHI	3	0	3	0	1	1	0	0	0	3	5	8	0	1	1	42	40	82
Total		18	33	51	2	3	5	9	7	16	64	48	112	21	41	62	799	746	1545

Source: U-Dise 2015-16

Table 7.5 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	9	12	21	0	0	0	40	19	59	49	31	80
2	BAGESHWAR	8	7	15	11	12	23	28	42	70	47	61	108
3	CHAMOLI	8	10	18	4	6	10	42	28	70	54	44	98
4	CHAMPAWAT	19	14	33	0	0	0	42	38	80	61	52	113
5	DEHRADUN	13	16	29	14	13	27	54	74	128	81	103	184
6	HARIDWAR	0	0	0	0	0	0	61	36	97	61	36	97
7	NAINITAL	8	5	13	0	0	0	23	36	59	31	41	72
8	PAURI	10	24	34	0	0	0	43	70	113	53	94	147
9	PITHORAGARH	0	0	0	0	0	0	66	38	104	66	38	104
10	RUDRAPRAYAG	8	5	13	0	0	0	20	37	57	28	42	70

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
11	TEHRI	11	9	20	0	0	0	67	53	120	78	62	140
12	U.S. NAGAR	42	35	77	10	4	14	96	63	159	148	102	250
13	UTTARKASHI	8	7	15	6	3	9	28	30	58	42	40	82
	Total	144	144	288	45	38	83	610	564	1174	799	746	1545

Source: U-Dise 2015-16

7.10 Students Oriented Components

7.10.1 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 7.6 Budget required for Assessment of Children 2016-17

S.N.	District	Physical	Unit Cost	Total Cost
1	Almora	80	0.002	0.16
2	Bageshwar	108	0.002	0.216
3	Chamoli	98	0.002	0.196
4	Champawat	113	0.002	0.226
5	Dehradun	184	0.002	0.368
6	Haridwar	97	0.002	0.194
7	Nainital	72	0.002	0.144
8	Pauri	147	0.002	0.294
9	Pithoragarh	104	0.002	0.208
10	Rudraprayag	70	0.002	0.14
11	Tehri	140	0.002	0.28
12	US Nagar	250	0.002	0.5
13	Uttarkashi	82	0.002	0.164
Total		1545		3.09

Financial Requirement

An amount of **Rs. 3.09 lakh** would be required for this activity.

7.10.2 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 7.7 Required Budget for Distribution of Assistive Device

S.No.	Assistive Devices	Physical	Unit Cost (lakh)	Total Expenditure (lakh)
1.	Spectacles	292	@0.00450	1.314
2.	Crutches	370	@0.010	3.7
3.	Hearing Aid	112	@0.012	1.344
4.	Speech Kit	112	@0.003	0.336
Total		886		6.694

S.No.	Name of the District	Spectacles	Crutches	Hearing Aid	Speech Kit	Total	Unit Cost	Total Cost
1	Almora	14	18	7	8	47	0.00756	0.355
2	Bageshwar	50	11	7	7	75	0.00756	0.567
3	Chamoli	19	20	10	9	58	0.00756	0.438
4	Champawat	29	13	5	13	60	0.00756	0.453
5	Dehradun	17	32	14	12	75	0.00756	0.567
6	Haridwar	15	36	2	11	64	0.00756	0.484
7	Nainital	8	14	8	10	40	0.00756	0.302
8	Pauri	22	24	6	7	59	0.00756	0.446
9	Pithoragarh	28	16	14	7	65	0.00756	0.491
10	Rudraprayag	10	20	4	1	35	0.00756	0.264
11	Tehri	34	39	17	6	96	0.00756	0.725
12	U.S. Nagar	40	97	14	13	164	0.00756	1.239
13	Uttarkashi	6	30	4	8	48	0.00756	0.363
Total		292	370	112	112	886	0.00756	6.694

Financial Requirement

An amount of **Rs. 6.694 lakh** would be required for this activity.

7.10.3 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 7.8 Proposed Budget for Girls Stipend

S.No.	District	Girls	Unit Cost	Total Cost
1	ALMORA	31	@.0240 lakh per child	0.744
2	BAGESHWAR	61	@.0240 lakh per child	1.464
3	CHAMOLI	44	@.0240 lakh per child	1.056
4	CHAMPAWAT	52	@.0240 lakh per child	1.248
5	DEHRADUN	103	@.0240 lakh per child	2.472
6	HARIDWAR	36	@.0240 lakh per child	0.864
7	NAINITAL	41	@.0240 lakh per child	0.984
8	PAURI	94	@.0240 lakh per child	2.256
9	PITHORAGARH	38	@.0240 lakh per child	0.912
10	RUDRAPRAYAG	42	@.0240 lakh per child	1.008
11	TEHRI	62	@.0240 lakh per child	1.488
12	U.S. NAGAR	102	@.0240 lakh per child	2.448
13	UTTARKASHI	40	@.0240 lakh per child	0.96
TOTAL		746		17.904

Financial Requirement

An amount of **Rs 17.904 lakh** would be required for this activity.

7.10.4 Uniform

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

Table 7.9 Proposed Budget for Uniform

S.N.	District	Physical	Unit Cost	Total Cost
1	Almora	80	@.00550 lakh per child	0.44
2	Bageshwar	108	@.00550 lakh per child	0.594
3	Chamoli	98	@.00550 lakh per child	0.539
4	Champawat	113	@.00550 lakh per child	0.6215
5	Dehradun	184	@.00550 lakh per child	1.012
6	Haridwar	97	@.00550 lakh per child	0.5335
7	Nainital	72	@.00550 lakh per child	0.396
8	Pauri	147	@.00550 lakh per child	0.8085
9	Pithoragarh	104	@.00550 lakh per child	0.572
10	Rudraprayag	70	@.00550 lakh per child	0.385
11	Tehri	140	@.00550 lakh per child	0.77
12	US Nagar	250	@.00550 lakh per child	1.375
13	Uttarkashi	82	@.00550 lakh per child	0.451
Total		1545		8.4975

Financial Requirement

An amount of **Rs 8.4975 lakh** would be required for this activity.

7.10.5 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 7.10 Proposed Budget for Books & Stationery

S.N.	District	Physical	Unit Cost	Total Cost
1	Almora	80	@.00550 lakh per child	0.44
2	Bageshwar	108	@.00550 lakh per child	0.594
3	Chamoli	98	@.00550 lakh per child	0.539
4	Champawat	113	@.00550 lakh per child	0.6215
5	Dehradun	184	@.00550 lakh per child	1.012
6	Haridwar	97	@.00550 lakh per child	0.5335
7	Nainital	72	@.00550 lakh per child	0.396
8	Pauri	147	@.00550 lakh per child	0.8085
9	Pithoragarh	104	@.00550 lakh per child	0.572
10	Rudraprayag	70	@.00550 lakh per child	0.385
11	Tehri	140	@.00550 lakh per child	0.77
12	US Nagar	250	@.00550 lakh per child	1.375
13	Uttarkashi	82	@.00550 lakh per child	0.451
Total		1545		8.4975

Financial Requirement

An amount of **Rs 8.4975 lakh** would be required for this activity.

7.10.6 Escort Allowance to Blind Girls

Escort Allowance will be provided to 21 blind girls studying in CNI Girls Intermediate College Dehradun @ Rs. 0.036 lakh per girl child per year.

S.N.	District	Physical	Unit Cost	Total Cost
13	Dehradun	21	@.036 lakh per child	0.756
Total		21		0.756

Financial Requirement

An amount of **Rs 0.756 lakh** would be required for this activity.

7.10.7 Teacher Component

(A) Appointment of Special Educator

36 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. So for the year 2016-17 the proposal of 36 special teachers is being submitted before the GOI. Budgetary allocation required for the activity. For the year 2016-17 the special educators are also being proposed in remaining 59 blocks, if the GOI will give it's consent for sanction of remaining 59 special educators then the total no. of special educators will become 95. The proposed additional salary budget for these 59 special educators will be Rs. 127.44 lakh.

Table 7.11 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	3	@ .18X 12 = 2.16 lakh per Special Educator	6.48
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		36+59		77.76+127.44 =205.20

Financial Requirement

An amount of **Rs 205.20 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 7.12 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	3	@ .0040X 12= .048 lakh	0.144
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		36+59		1.728+2.832=4.560

Financial Requirement

An amount of **Rs 4.560 lakh** would be required for this activity.

6.10.7 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 7.13 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
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 **Rs 9.5 lakh** would be required for this activity.

7.10.8 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 19 resource room for the year 2014-15. 19 resource room have been equipped by the suggestive list recommended by State Resource Group (SRG) 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. Remaining 69 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 7.14 Proposed Budget for Equipment for Resource Room

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

8.2 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.

8.3 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 has been conducted and process to deploy the teachers is in progress.

Principal/Head master of secondary school are through 100% promotion post from secondary level teacher. Directorate of Secondary Education promote 314 Head Master through this process by Order No.-sewaye-1/1307/2(3)pado/2015-16 dated 24 February, 2016. State Govt. decided out sourcing recruitment process for post of office assistant, lab attendant and chaukidar in secondary school.

The Total Government Teachers are in Position at Secondary level as follows:

S.No.	Name of Post	Sanctioned	Working	Vacant
1	Head Master/Principal	2217	1513	704
2	Teachers	18773	14193	4580*

* Against the vacant post of teachers State Government has appointed qualified guest teachers.

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	Sanctioned for New Schools				Recruitment Progress of Headmasters & Teachers		Vacant	
	No. Upgraded Schools	No. of Sanc. Post of HM	No. of Sanc. Subject Teachers	Total	HM	Subject Teachers	HM	Subject Teachers
2009-10	23	23	161	184	11	125	12	36
2010-11	58	58	406	464	25	298	33	108

Year	Sanctioned for New Schools				Recruitment Progress of Headmasters & Teachers		Vacant	
	No. Upgraded Schools	No. of Sanc. Post of HM	No. of Sanc. Subject Teachers	Total	HM	Subject Teachers	HM	Subject Teachers
2011-12	147	147	735	882	96	504	51	231
2012-13	0	0	0	0	0	0	0	0
2013-14	43	43	215	258	15	124	28	91
2014-15	0	0	0	0	0	0	0	0
2015-16	9	9	45	54	0	0	9	45
Total	280	280	1562	1842	147	1051	133	511

Salary of recruited teachers is being proposed for 12 month and salary of vacant posts is also being proposed for 12 month for year 2016-17. As per the order no. 1307 Dated 24 Feb. 2016, 314 Head Masters have been promoted in secondary schools. The recruitment process for appointment of teachers is going on. The salary proposed for Head Master @ Rs. 70,000/-, Assistant Teacher @ Rs. 60,000/-, Lab Att. @ Rs. 15,000/- and Office Att. @ Rs. 15,000/- as per actual salary paid to employee by State Government. The orders are annexed.

Lab Attendant/Office Assistant

The sanctioned post for the lab attendant and office assistants are 2046 and 280 respectively.

8.4 Board Results

The comparative board results of class X is shown below:

Table 8.2 Comparative Board Results

Year	Students	Pass	Pass percentage
2011	174976	119243	68.14
2012	178338	125584	70.26
2013	176823	126319	71.43
2014	170401	114851	67.40
2015	169481	119797	70.68

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

Table 8.3 Achievement of Students based on merit and distinction

Details	Year				
	2011	2012	2013	2014	2015
Distinction	2426	2983	3787	4142	5457
%	2.09	2.38	3.00	3.61	4.56
First Division	19033	22973	24553	23825	26087
%	15.26	18.29	19.44	20.74	21.78
Second Division	68492	72792	70015	62523	62548
%	57.44	57.97	55.43	54.44	52.21
Third Division	29181	26800	27928	24313	25661
%	24.47	21.34	22.11	21.17	21.42

8.5 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 2015

Subjects	Passed Boys	Pass %	Passed Girls	Pass %
Hindi	77532	89.82	75575	90.93
English	58116	76.00	47866	80.04
Math	60825	70.47	13776	90.68
Science	66181	76.67	63144	75.98
Social Science	75478	87.44	72613	87.36

8.6 School Grant

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

Table 8.5 Proposal of School Grant 2016-17

S. No.	District	School Grant		
		Govt. School	Unit cost (in lakhs)	Total cost (in lakhs)
1	Almora	260	0.5	130.00
2	Bageshwar	90	0.5	45.00
3	Chamoli	199	0.5	99.50
4	Champawat	105	0.5	52.50
5	Dehradun	165	0.5	82.50
6	Haridwar	89	0.5	44.50
7	Nainital	188	0.5	94.00
8	Pauri	302	0.5	151.00
9	Pithoragarh	208	0.5	104.00
10	Rudraprayag	109	0.5	54.50
11	Tehri	282	0.5	141.00
12	U.S. Nagar	123	0.5	61.50
13	Uttarkashi	124	0.5	62.00
Total		2244	0.5	1122.00

Financial Requirement

An amount of **Rs. 1122.00 lakh** would be required for pre and post tools of all students.

8.7 Minor Repair

Table 8.6 Proposal of Minor Repair 2016-17

S.No.	District	No. of Schools	Unit Cost	Total Cost
1	Almora	217	0.25	54.25
2	Bageshwar	71	0.25	17.75
3	Chamoli	164	0.25	41.00
4	Champawat	72	0.25	18.00
5	Dehradun	137	0.25	34.25
6	Haridwar	49	0.25	12.25
7	Nainital	175	0.25	43.75
8	Pauri	240	0.25	60.00
9	Pithoragarh	157	0.25	39.25
10	Rudraprayag	91	0.25	22.75
11	Tehri	237	0.25	59.25
12	U.S. Nagar	91	0.25	22.75
13	Uttarkashi	109	0.25	27.25
Total		1810	0.25	452.50

Financial Requirement

An amount of **Rs. 452.50 lakh** would be required for pre and post tools of all students.

8.8 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 8.7 Proposal of Master Resource Person and KRP 2016-17

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	110	0.015	1.65	5	0.03	0.15
2	Bageshwar	30	0.015	0.45	5	0.03	0.15
3	Chamoli	90	0.015	1.35	5	0.03	0.15
4	Champawat	40	0.015	0.60	5	0.03	0.15
5	Dehradun	60	0.015	0.90	5	0.03	0.15
6	Haridwar	60	0.015	0.90	5	0.03	0.15
7	Nainital	80	0.015	1.20	5	0.03	0.15
8	Pauri	150	0.015	2.25	5	0.03	0.15
9	Pithoragarh	80	0.015	1.20	5	0.03	0.15
10	Rudraprayag	30	0.015	0.45	5	0.03	0.15
11	Tehri	90	0.015	1.35	5	0.03	0.15
12	U.S. Nagar	70	0.015	1.05	5	0.03	0.15
13	Uttarkashi	60	0.015	0.90	5	0.03	0.15
Total		950	0.015	14.25	65	0.03	1.95

Financial Requirement

An amount of **Rs. 14.25 lakh** will be required for the Master Trainer Training and **Rs. 1.95 lakh** for KRP Training.

8.9 Analysis of Teacher Training Need

In-Service Teacher Trainings are important to enhance the existing skills of the teachers. Training keeps teacher motivated as it also gives them a chance to share their experiences with other fellow teachers. Training in the State is planned by exercising the due process. The process adopted is as under:

Identification of Training Needs

The training needs of teacher are identified through SCERT Uttarakhand by adopting following process:

- Interaction with teachers
- Feedback of trainings
- Field visits
- SRG meetings

Planning of trainings

Trainings are planned after co-ordination meetings with SCERT & the nature of training is as under:

- Subject base training: Subject based training will be imparted on the issues identified through the training need analysis process. The individual Training Need Analysis (TNA) shows that there are common demand for some of the particular areas in a particular subject such as:
 - Mathematics
 - Science
 - English

- **Miscellaneous Trainings**

These training include training on:

- Use of ICT in classroom
- Training on the issues of children with special needs under IEDSS
- Learning Level Assessment (LLA) training which is an innovative intervention of state of Uttarakhand to bridge the competency gap of Upper Primary Level before the commencement of the curriculum of class IX.
- Guidance and Counseling
- Functioning and effective schools

- **Training Process**

The training will be conducted in the simulation, discussion, project formation, classroom teaching mode etc. and after training project/assignment will be prepared by the teacher as a part of follow-up and implementation of training. The project/assignment and experience of teachers will be shared during the 2 days sharing trainings at the academic cluster.

- **Monitoring of Trainings**

A nodal officer will be appointed by Chief Education Officer of the concern district for each training site the nodal officer will ensure the logistics at the training centre with the help of RMSA team. The DIETs, CEOs, DEOs (Secondary Education)/DPOs, BEOs will also monitor the trainings regularly. An academic cluster will be constituted to facilitate the sharing of trainings and it's follow-up. The academic cluster will include to 01 principal and 02 teachers from different schools.

- **Evaluation of Training**

The entry behavior/knowledge and exit behavior/knowledge will be assessed by pre and post test/feedbacks etc. DIETs will conduct Training Need Analysis and will also document the outcome of the trainings imparted.

Training Schedule

S. No.	Nature of Training	Duration	Issues
1	Core Subject Base Trainings	4 Days (Group Trainings)	Identified as per training needs
2	Miscellaneous Trainings	2 Days	ICT, IEDSS, LLA, Guidance and Counseling etc.
3	Cluster Base Training Sharing	2 Days	The teacher will discuss the follow-up expectations/project/assignments of the training of core subject base trainings (1st : After two months and then after next two months)
4	Hands on Training	2 Days	The teacher will work on the assignment of the project in the school and will document the results before sharing at the academic cluster.

The 10 days **In Service Teacher Training** is being proposed in 2016-17 under the guideline of MHRD as follows:

Table 8.8 Proposal for Teacher Training 2016-17

S. No.	Name of the District	English	Hindi	SST	Total Teacher Govt. & Aided	Unit cost (In lakhs)	Total Cost (In lakhs)
1	Almora	254	265	342	861	0.03	25.83
2	Bageshwar	74	80	106	260	0.03	7.8
3	Chamoli	157	178	215	550	0.03	16.5
4	Champawat	77	81	102	260	0.03	7.8
5	Dehradun	220	212	216	648	0.03	19.44

S. No.	Name of the District	English	Hindi	SST	Total Teacher Govt. & Aided	Unit cost (In lakhs)	Total Cost (In lakhs)
6	Haridwar	73	103	100	276	0.03	8.28
7	Nainital	188	309	260	757	0.03	22.71
8	Pauri	274	285	400	959	0.03	28.77
9	Pithoragarh	78	69	213	360	0.03	10.8
10	Rudraprayag	98	89	150	337	0.03	10.11
11	Tehri	245	312	386	943	0.03	28.29
12	U.S. Nagar	175	185	213	573	0.03	17.19
13	Uttarkashi	87	118	168	373	0.03	11.19
Total		2000	2286	2871	7157	0.03	214.71

Source: U-Dise 2015-16

Financial Requirement

An amount of **Rs. 214.71 lakh** will be required for the subject English, Hindi and SST, In Service Teacher Training.

Table 8.9 Proposed In Service Teacher Training Schedule 2016-17

S.No.	Name of Programme	Months	Duration	No. of Participation
1	Identification and Analysis of Training Need	April Second Week	05 Days	65 KRP's
2	Development of In Service Teacher Training package	April Third Week	05 Days	65 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	950
6	District Level Training	July Second Week to September First Week	10 Days per batch	11796

8.10 School Leadership Training of Head Master and Principal

The Head Master and Principal leadership training will be conducted in the DIETS of the states with help of SRG, SIEMAT Uttarakhand and the Module developed by NUEPA New Delhi. State Resource Group will be developed at state level to provide training to head master and principal.

Table 8.10 Proposal of Training of SRG Members of School Leadership Training Programme 2016-17

S.No.	District	Proposal 2016-17	Unit Cost	Total Cost
1	Almora	4	0.015	0.06
2	Bageshwar	4	0.015	0.06
3	Chamoli	4	0.015	0.06
4	Champawat	4	0.015	0.06
5	Dehradun	4	0.015	0.06
6	Haridwar	4	0.015	0.06
7	Nainital	4	0.015	0.06
8	Pauri	4	0.015	0.06
9	Pithoragarh	4	0.015	0.06
10	Rudraprayag	4	0.015	0.06
11	Tehri	4	0.015	0.06
12	U.S. Nagar	4	0.015	0.06
13	Uttarkashi	4	0.015	0.06
Total		52		0.78

Financial Requirement

An amount of **Rs. 0.78 lakh** would be required for this activity
Selected principals will be trained by SRG in respective 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 8.11 Proposal of Educational Leadership and Management Training of Principal

S.No.	District	Proposal 2016-17	Unit Cost	Total Cost
1	Almora	55	0.048	2.64
2	Bageshwar	15	0.048	0.72
3	Chamoli	45	0.048	2.16
4	Champawat	20	0.048	0.96
5	Dehradun	30	0.048	1.44
6	Haridwar	30	0.048	1.44
7	Nainital	40	0.048	1.92
8	Pauri	75	0.048	3.60
9	Pithoragarh	40	0.048	1.92
10	Rudraprayag	15	0.048	0.72
11	Tehri	45	0.048	2.16
12	U.S. Nagar	35	0.048	1.68
13	Uttarkashi	30	0.048	1.44
Total		475	0.048	22.80

Financial Requirement

An amount of **Rs. 22.80 lakh** would be required for this activity.

8.11 Leadership Training for Educational Officer (BEO's, DEO's and CEO's)

Leadership Training will be provided to district level officers to enhance their capability in the field of administration and monitoring. The 05 days residential training will be conducted with the help of SIEMAT Uttarakhand.

Table 8.12 Proposal of Leadership Training for Educational Officer (BEO's, DEO's and CEO's) 2016-17

S. No.	Name of the District	Proposal of Leadership Training for Educational Officer (BEO's)	Proposal of Leadership Training for Educational Officer (DEO's)	Proposal of Leadership Training for Educational Officer (CEO's)	Proposal of Leadership Training for Educational Officer Total	Unit Cost in lakhs	Total Cost (in lakhs)
1	Almora	11	1	1	13	0.05	0.55
2	Bageshwar	3	1	1	5	0.05	0.15
3	Chamoli	9	1	1	11	0.05	0.45
4	Champawat	4	1	1	6	0.05	0.20
5	Dehradun	6	1	1	8	0.05	0.30
6	Haridwar	6	1	1	8	0.05	0.30
7	Nainital	8	1	1	10	0.05	0.40
8	Pauri	15	1	1	17	0.05	0.75
9	Pithoragarh	8	1	1	10	0.05	0.40
10	Rudraprayag	3	1	1	5	0.05	0.15
11	Tehri	9	1	1	11	0.05	0.45
12	U.S. Nagar	7	1	1	9	0.05	0.35
13	Uttarkashi	6	1	1	8	0.05	0.30
Total		95	13	13	121	0.05	4.75

Financial Requirement

An amount of **Rs. 4.75 lakh** would be required for this activity

8.12 Management Training for Head Master

Management training of 10 days will be provided to 39 Head Masters of secondary schools with the help of SIEMAT Uttarakhand to develop managerial skills in the head masters.

Table 8.13 Proposal of Management Training of Head Master 2016-17

S.No.	Name of the District	Proposal	Unit Cost	Total Cost
1	Almora	3	0.3	0.90
2	Bageshwar	3	0.3	0.90
3	Chamoli	3	0.3	0.90
4	Champawat	3	0.3	0.90
5	Dehradun	3	0.3	0.90
6	Haridwar	3	0.3	0.90
7	Nainital	3	0.3	0.90
8	Pauri	3	0.3	0.90
9	Pithoragarh	3	0.3	0.90
10	Rudraprayag	3	0.3	0.90
11	Tehri	3	0.3	0.90
12	U.S. Nagar	3	0.3	0.90
13	Uttarkashi	3	0.3	0.90
Total		39		11.70

Financial Requirement

An amount of **Rs. 1.17 lakh** would be required for this activity

8.13 Training for Special Educator

All the 36 working special educators will be sensitized through 10 days training with the help of renowned NGOs working in the field of disabilities.

Table 8.14 Proposed budget for special educators training

S.No	District	Physical	Unit Cost	Total Budget (lakh)
1	Bageshwar	3	@ 0.03000 lakh	0.09
2	Chamoli	2	@ 0.03000 lakh	0.06
3	Champawat	3	@ 0.03000 lakh	0.09
4	Dehradun	6	@ 0.03000 lakh	0.18
5	Haridwar	6	@ 0.03000 lakh	0.18
6	Pauri	7	@ 0.03000 lakh	0.21
7	Pithoragarh	7	@ 0.03000 lakh	0.21
8	Tehri	2	@ 0.03000 lakh	0.06
Total		36		1.08

Financial Requirement

An amount of **Rs 1.08 lakh** would be required for this activity.

8.14 School Magazine

The school magazines are useful in many ways. Many student do not read books other than their text books. So to increase their knowledge the school magazine plays the vital role.

Now school magazine is no more a new thing. So all the Govt. Secondary Schools will publish their own magazine.

Strategy

school magazine will be managed by teachers and the students. The Senior teacher will be the editor and a student of the top class will be assistant editor. The article for magazine will be written by both teachers and students. The article will be selected by the editors and assistant editor.

Budget Requirement

The budget requirement for the publication of school magazine is as proposed.

Table: 8.15 Proposal of School Magazine 2016-17

S.No.	Name of the District	Dept. of Education	Unit Cost	Total Cost
1	Almora	260	0.3	78.00
2	Bageshwar	90	0.3	27.00
3	Chamoli	199	0.3	59.70
4	Champawat	105	0.3	31.50
5	Dehradun	165	0.3	49.50
6	Haridwar	89	0.3	26.70
7	Nainital	188	0.3	56.40
8	Pauri	302	0.3	90.60
9	Pithoragarh	208	0.3	62.40
10	Rudraprayag	109	0.3	32.70
11	Tehri	282	0.3	84.60
12	U.S. Nagar	123	0.3	36.90
13	Uttarkashi	124	0.3	37.20
Total		2244	0.3	673.20

Financial Requirement

An amount of **Rs 673.20 lakh** would be required for this activity .

8.15 Project on Science and Maths**8.15.1 Book Fair**

The Book Fair will be conducted at district level. All renowned publishers including National Book Trust will be invited to participate in the book fair. The principal/head master and students will also be present in the book fair and will select the books for their school library.

Table 8.16 Proposal of Book Fair 2016-17

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	1.00	13.00

Financial Requirement

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

8.15.2 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 8.17 Proposal of Students Exposure 2016-17

S. No.	Districts	No. of School	Physical (No. of Students)	Unit Cost (in lakh)	Total Amount (in lakh)
1	Almora	260	10148	0.01	101.48
2	Bageshwar	90	3654	0.01	36.54
3	Chamoli	199	6307	0.01	63.07
4	Champawat	105	4155	0.01	41.55
5	Dehradun	165	8285	0.01	82.85
6	Haridwar	89	6205	0.01	62.05
7	Nainital	188	9474	0.01	94.74
8	Pauri	302	10538	0.01	105.38
9	Pithoragarh	208	7125	0.01	71.25
10	Rudraprayag	109	5301	0.01	53.01
11	Tehri	282	9920	0.01	99.20
12	U.S. Nagar	123	12701	0.01	127.01
13	Uttarkashi	124	4931	0.01	49.31
Total		2244	98744	0.01	987.44

Financial Requirement

The total amount **Rs987.44 lakh** would be required for this activity.

8.15.3 Promotion of Science

Promotion of science the following activity will be conducted:

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.

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 8.18 Proposal of Science Exhibition 2016-17

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	1.00	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 2016 to December 2017.

8.16 Rashtriya Avishkar Abhiyan

In pursuance of the focus on connecting school based knowledge to life outside the school and making learning of Science Mathematics a joyful and meaningful activity, to bring focus on innovation and use of technology, the Ministry of Human Resource Development has set up the *Rashtriya Avishkar Abhiyan* (RAA)- a convergent framework that aims at nurturing a spirit of inquiry and creativity, love for Science and Mathematics and effective use of technology amongst children and encourage those who show an inclination and talent for these subjects to be encouraged and supported to heights of academic excellence and research.

Rashtriya Avishkar Abhiyan will target students in the age group of 6 - 18 years and in turn the execution of RAA will span across MHRD's schematic interventions of Sarva Shiksha Abhiyan, Rashtriya Madhyamik Shiksha Abhiyan in the Department of School Education & Literacy and programmes and schemes of Department of Higher Education to encourage Science, Mathematics & Technology.

Background to RAA

Science, Technology and Innovation have emerged as the major drivers of national development globally. India, with its near universalisation of access in school education and expanding Higher Education and Scientific institutions both under the government and private sectors, wants to give a direction to drive future innovations by encouraging children in exploration, discovery and innovation to support a climate of innovation by teachers and students at school level.

The Kothari Commission (1964) noted that the destiny of this country is shaped in the classrooms and laboratories of schools, colleges and universities. India's Curriculum Framework recognises connecting knowledge to life outside the school and notes that learning takes place both within school and outside school and seeks to design learning tasks beyond textbooks and schools.

The Yashpal Committee report (1993) *Learning without Burden* expressed concern over the esotericisation of Science also on the tendency embedded in the syllabi and textbooks to accelerate children's mathematical skills by teaching mechanical rules at the expense of understanding.

Aim

While emphasising the primacy of the schools and classroom transactions, the RAA aims to leverage the potential for science, mathematics and technology learning in non-classroom settings. Beyond the four walls of a classroom, opportunities for science, mathematics and technology learning abound.

Accordingly, the '*Rashtriya Avishkar Abhiyan (RAA)*' is planned to provide nourishing and nurturing support to and a platform for schools in a *dual track approach* to make Science, Mathematics and Technology exciting to children and encourage them to have an enduring interest both **inside classroom** and **outside classroom activities**.

Objectives

- To enable children to become motivated and engaged in Science, Mathematics and Technology (SMT) through observation, experimentation, inference drawing, model

building, rational reasoning, testability etc.

- To create curiosity, excitement and exploration among school children in Science, Mathematics and Technology.
- To create a culture of thinking, inventing, tinkering and doing to promote enquiry based learning in Schools.
- To achieve learning levels appropriate to the class of study in Science and Mathematics.
- To encourage and nurture schools to be incubators of Innovation.

8.16.1 Teacher Training in Science & Maths

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 10 days ***In Service Teacher Training*** is being proposed in 2016-17 under the guideline of MHRD as follows :

S.No.	Name of Programme	Months	Duration	No. of Participation
1	Identification and Analysis of Training Need	April Second Week	05 Days	65 KRP's
2	Development of In Service Teacher Training package	April Third Week	05 Days	65 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	950
6	District Level Training	July Second Week to September First Week	10 Days per batch	11796

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

Table 8.19 Proposal for Teacher Training 2016-17

S. No.	Name of the District	Maths	Science	Total Teacher Govt. & Aided	Unit cost (In lakhs)	Total Cost (In lakhs)
1	Almora	277	174	451	0.03	13.53
2	Bageshwar	86	60	146	0.03	4.38
3	Chamoli	192	112	304	0.03	9.12
4	Champawat	79	60	139	0.03	4.17
5	Dehradun	227	310	537	0.03	16.11
6	Haridwar	104	80	184	0.03	5.52
7	Nainital	227	238	465	0.03	13.95
8	Pauri	384	219	603	0.03	18.09
9	Pithoragarh	218	171	389	0.03	11.67
10	Rudraprayag	211	104	315	0.03	9.45
11	Tehri	363	167	530	0.03	15.9
12	U.S. Nagar	203	151	354	0.03	10.62
13	Uttarkashi	147	75	222	0.03	6.66
Total		2718	1921	4639		139.17

Source: U-Dise 2015-16

Financial Requirement

An amount of **Rs. 139.17 lakh** will be required for the subject Science and Maths, In-Service Teacher Training.

8.16.2 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 8.20 Proposed of Secondary Science Kit 2016-17

S.No.	District	Physical	Unit cost (in lakhs)	Total Cost (in lakhs)
1	Almora	87	0.150	13.05
2	Bageshwar	27	0.150	4.05
3	Chamoli	18	0.150	2.70
4	Champawat	38	0.150	5.70
5	Dehradun	12	0.150	1.80
6	Haridwar	89	0.150	13.35
7	Nainital	66	0.150	9.90
8	Pauri	100	0.150	15.00
9	Pithoragarh	179	0.150	26.85
10	Rudraprayag	96	0.150	14.40
11	Tehri	124	0.150	18.60
12	U.S. Nagar	24	0.150	3.60
13	Uttarkashi	12	0.150	1.80
Total		872	0.150	130.80

Financial Requirement

An amount of **Rs. 130.80 lakh** would be required for this activity

8.16.3 Mathematics Kit

NCERT has also developed kits for promotion of Maths. So to purchase the 05 Maths kit per secondary school is being proposed. The kit is beneficial to develop the Mathmetical 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	Basic Kit Rate	Vat @12.5%	NCERT License Fee @ 10%	Total Cost of Transportation
Secondary Mathematics lab Kit	1100.00	138.00	110.00	1348.00

The unit cost of the kit after including local freight will be Rs. 1500.00.

Table 8.21 Proposed of Secondary Mathematics Kit 2016-17

S.No.	District	Physical	Unit cost (in lakhs)	Total Cost (in lakhs)
1	Almora	22	0.075	1.65
2	Bageshwar	6	0.075	0.45
3	Chamoli	18	0.075	1.35
4	Champawat	8	0.075	0.60
5	Dehradun	28	0.075	2.10
6	Haridwar	89	0.075	6.68

S.No.	District	Physical	Unit cost (in lakhs)	Total Cost (in lakhs)
7	Nainital	16	0.075	1.20
8	Pauri	100	0.075	7.50
9	Pithoragarh	199	0.075	14.93
10	Rudraprayag	6	0.075	0.45
11	Tehri	18	0.075	1.35
12	U.S. Nagar	24	0.075	1.80
13	Uttarkashi	12	0.075	0.90
Total		546	0.075	40.95

Financial Requirement

An amount of **Rs. 40.95 lakh** would be required for this activity

8.16.4 Study Trip for Students to Higher Institutions

Students studying in secondary schools need to be flourished with the knowledge of science and mathematics, regarding to the concepts the students will visit the nearby higher institution to develop innovative ideas and explore the truth of science. Higher institutions have already been identified. These institutions will be visited by students of 10 schools of vicinity.

Table 8.22 Proposal of Student Trip to Higher Institutions 2016-17

S. No.	Name of the District	Physical (No. of Schools)	Unit cost (in lakhs)	Total Cost (in lakhs)
1	Almora	10	0.050	0.50
2	Bageshwar	10	0.050	0.50
3	Chamoli	10	0.050	0.50
4	Champawat	10	0.050	0.50
5	Dehradun	10	0.050	0.50
6	Haridwar	10	0.050	0.50
7	Nainital	10	0.050	0.50
8	Pauri	10	0.050	0.50
9	Pithoragarh	10	0.050	0.50
10	Rudraprayag	10	0.050	0.50
11	Tehri	10	0.050	0.50
12	U.S. Nagar	10	0.050	0.50
13	Uttarkashi	10	0.050	0.50
Total		130	0.050	6.50

Financial Requirement

An amount of **Rs 6.50 lakh** would be required for this activity

8.16.5 STEM Kit

It is an initiative to make a difference in the school education system, we are grounded with the fact that “life starts at schools” & Classrooms & Teachers play a pivotal role in shaping the life of a student. Equipping them with right kind of skills for personal development shall invariably leads to well-groomed students & responsible citizens. By understanding these facts we need to improvise the classrooms & education system for leading in 21st century by understand this fact STEM starts working for improving Human capital through quality education & development. We help individuals to realize their unique potential through hands on learning.

We need to prepare students in STEM area's to help children develop critical thinking abilities – application of theory, exploration of different scenarios, deepen conceptual understanding and relate to real-life application and gives invaluable lessons to a child which would be useful throughout the child's life. We are actually preparing our children for the real life which is not just an option in today's world but a necessity.

Indian style of teaching lies in the dominance of textbook use & in our education system we are teaching science like teaching literature & the learning in our system like teacher taught the text elucidating, by asking a children to copy & memorize it & finally by drilling them to answer & memorize questions that were based on its & after some time children's forget after some time. We are not focusing on Innovation & Research instead we are focusing only on learn theoretically & that causes students not able to prepare themselves for higher education & technical skills.

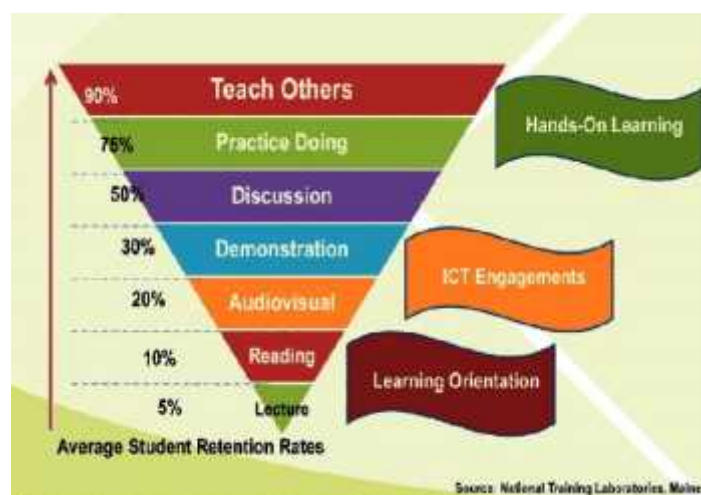
State has proposed to create Science, Maths and EVS corner in the classrooms, where students would preserve their kits after conceptually using these for quality learning.

Objectives of STEM Learning

- To provide a forum for children to pursue their natural curiosity and inquisitiveness to quench their thirst of creativity.
- To make children feel that science is all around us and we can gain knowledge as well as solve many problems by relating the learning process to the physical and social environment.
- To lay emphasis on the development of science and technology as a major instrument for achieving goals of self-reliance and socio-economic and socio-ecological development.
- To highlight the role of science and technology for producing good quality and environmental friendly materials for the use of society.
- To apply mathematics and information technology to visualize and solve problems pertaining to everyday life etc.
- To appreciate the role of science in meeting the challenges of life such as climate change, opening new avenues in the area of agriculture, fertilizer, food processing, biotechnology, green energy, disaster management, information and communication technology, astronomy, transport, games and sports etc.
- To create awareness about environmental issues and concerns and inspiring children to devise innovative ideas towards their mitigation.

STEM Innovation Lab

There is the very famous proverb "I hear I forget, I see I remember, I do I understand" & this is very true saying in our life also if we want to run bicycle we can't ride by hearing & seeing we need to be sit on a seat & by pushing paddles we learn how to ride bicycle in the same if we need to understand curriculum we need to do practical's & by doing practical's we understand subject for life. One of the Survey Conducted by National Training Laboratories Maine to understand the learning & retention rate in students by various methods below is the graph represents the importance of learning



By understanding these facts we design program for Schools where students learn practically the most important science topics in a practical manner.

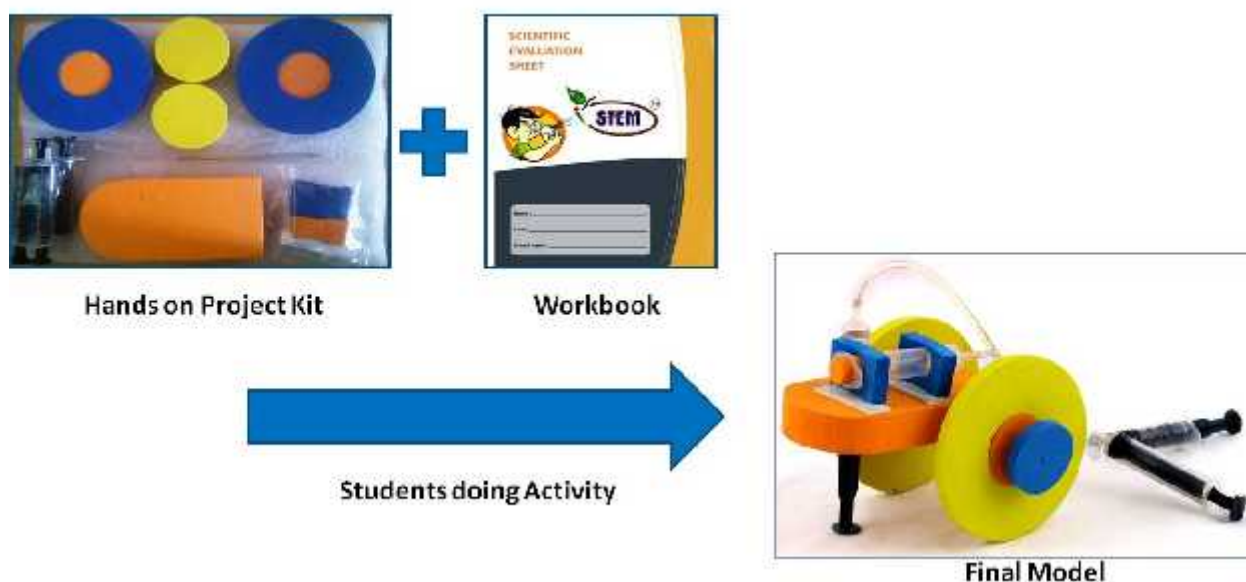
Roles & Responsibilities

S.No	Roles of STEM Kit	Roles of School Management
1	To provide a Curriculum mapped activity kits as per the syllabus of schools	To provide a books on science & mathematics for respective schools
2	To train teachers or coordinators for effective usage of STEM Kits in the classroom	To share a list of nominated teachers or volunteers for training.
3	To provide required handouts on training to teachers	To ensure that teachers participate in the training program
4	To provide one day refresher training to all school teachers	To make sure the availability of respective teachers in schools
5	To provide spares if any manufacturing defect in the kits	To ensure a proper storage of activity kits in the schools (science and math's corner in classroom)

STEM Innovation Lab Model essentially consists of three phases

- Before the program, the school teachers will be trained on the activities that they will conduct in the classrooms.
- During the program, the teachers execute it through the activity kits, which consist of materials, an activity plan and an activity assessment. Instructors from K-12 STEM also observe classrooms to provide teachers with the guidance they need.
- After the program, the students are tested on the concepts they have learned. This helps us measure the impact of our learning kits.

How Students Learn



Implementation Model

S.No.	Particulars	Deliverables	Details
1	STEM Kits	Kits on Mathematics, Physics, Chemistry, Biology will be delivered aligned to curriculum	12 Projects Kits for each student
2	Training for Teachers	Enabling a proper implementation of STEM LAB, Calendaring of the Hands on Activities so that they are synchronize with chapters being	2 days Training

S.No.	Particulars	Deliverables	Details
		taught in school.	
3	Pre & Post Assessment	To analyze the impact of Program & to Analysis of Assessment	As per requirement
4	Regular Monitoring	To overcome the hurdles & issues faced by teachers during academic calendar.	Academic Manager frequently visits the schools
5	Program Output	Improved performance in Science & Math's and better understanding of concepts	Measurable outcome visible after one year

Preferential outcomes of STEM Kit Program to Students

1. **Hands on Practical work** improves the confidence of students, gives a sense of accomplishment.
2. All Practical's & Activity Kits are performed directly by students individually in classroom only, kits are design in such a way that they can easily perform experiment on classroom desk itself, no need of any additional space
3. Active Participation of all students, **all students participation**.
4. We design program where maximum participation of students & **minimum interface by teachers**.
5. Create Homogenous environment of **active learning** instead of passive learning.

Hands on Kits for Class 9th to 10th (Tentative Only)

Grade-9		
S. No	Themes	Activity Name
1	Biology	Fundamental Unit of Life
2	Chemistry	Different States of Matter
3	Chemistry	Heat (Exothermic & Endothermic)
4	Chemistry	Is Matter Around us Pure
5	Electricity	Circuit Puzzles
6	Force, Work & Energy	Hydraulic Bridge
7	Force, Work & Energy	Work & Energy (Bomber Kit)
8	Force, Work & Energy	Deep Driver
9	Force, Work & Energy	Anti-Gravity Machine
10	Force, Work & Energy	Balloon Helicopter
11	Mechanics	Elevator Kit
12	Mechanics	Hydropower Station
Grade-10		
S. No	Themes	Activity Name
1	Biology	DNA Model
2	Biology	Kidney Model
3	Biology	Control & Coordination
4	Chemistry	Carbon Structure & Compounds
5	Electricity	Two Way Switch
6	Electricity	Electric Heater
7	Electromagnetism	Electric Bell
8	Electromagnetism	DC Motor
9	Electromagnetism	Electromagnetic Barrier Gate
10	Light & Optics	Light Projector
11	Mechanics	Wind Mill Generator
12	Chemistry	Chemical Equations & Reactions

Financial Costing-The Stem Kit will be provided to the students studying in those 130 secondary and higher secondary schools in the vicinity of higher institutions.

3 students will use 1 kit In Class IX & X

- 10 kits per class for 1 subject
- 30 kits per class for 3 subjects
- Total Kits in 1 school = 60 (60 kits for 3 subjects in 1 school)
- Cost of 1 kit = 1000/-
- Cost for 1 school = 60*1000 = 60,000/-
- Cost for 130 schools = 60,000*130 = 78, 00,000/-

Subjects	No. of schools targeted on pilot bases	No. of students using 1 kit	Strength in class IX & X per school	Total strength in class IX and X	Total No. of Kits
Science Kit	130	3	60	7800	2600
Maths Kit	130	3	60	7800	2600
EVS Kit	130	3	60	7800	2600
Total					7800

cost of 1 kit = 1000

Cost of 7800 kits= 78,00,000

Table 8.23 Proposal of Stem Kit 2016-17

S. No.	Name of the District	Physical (No. of Schools)	Unit cost (in lakhs)	Total Cost (in lakhs)
1	Almora	10	0.60	6.0
2	Bageshwar	10	0.60	6.0
3	Chamoli	10	0.60	6.0
4	Champawat	10	0.60	6.0
5	Dehradun	10	0.60	6.0
6	Haridwar	10	0.60	6.0
7	Nainital	10	0.60	6.0
8	Pauri	10	0.60	6.0
9	Pithoragarh	10	0.60	6.0
10	Rudraprayag	10	0.60	6.0
11	Tehri	10	0.60	6.0
12	U.S. Nagar	10	0.60	6.0
13	Uttarkashi	10	0.60	6.0
Total		130	0.60	78.00

Financial Requirement

An amount of **Rs 78.00 lakh** would be required for this activity

8.17 Project - Art/Culture and Sports**8.17.1 Kala Utsav**

Rastriya Madhyamik Shiksha Abhiyan recognizes the importance of local and tribal folk in creating awareness of State's cultural heritage in the form of music, theatre, visual arts and dance.

These programme have been organized successfully in the State. All 13 districts have participated under the umbrella of kala utasav. The students have participated in the programme with great enthusiasm and jubilation. Total 2076 Students have become the part of Kala Utsav programme up to the National level. Four teams comprising with 38 students namely Tehri Garhwal, Almora, Haridwar and Almora have participated in the National level in Dance, Theatre, Music and Visual arts respectively from 8 December 2016 to 12 December 2016 at New Delhi.

Strategy

During the year 2015-16 the Govt. of India has sanctioned Rs. 10.00 Lakh to organized the Kala Utsav programme from School level to National level. The sanctioned amount was not sufficient to conduct the Kala Utsav programme. Therefore for the year 2016-17 the activities related to Kala Utsav programme will be conducted in 5 tiers from school level to National level. The school will select the teams in one category i.e. from dance, music, theatre and visual art. The block education officer will allocate the school to perform in one category. The selected teams from schools will perform at block level. Four teams from each block will perform at district level. The selected 52 teams from district level will perform at State level. Finally the four teams will be selected for National level.

Proposed Budget

All the Govt. and Aided Secondary and Senior Secondary Schools are being proposed to participate in the Kala Utsav for 2016-17. The budgetary allocation proposed for the Kala Utsav is as follows:

<i>Rs. In lakh</i>				
S.No.	Activity	Physical	Unit Cost	Total
1	School Level	2559	0.05	127.95
2	Block Level	95	0.5	47.5
3	District Level	13	1	13
4	State & National Level	-	5	5
Total			12.55	193.45

Table 8.24 Proposal of Kala Utsav 2016-17

S.No.	Name of the District	No. of Schools	Unit Cost	Total Cost
1	Almora	287	0.0756	21.70
2	Bageshwar	105	0.0756	7.94
3	Chamoli	224	0.0756	16.93
4	Champawat	106	0.0756	8.01
5	Dehradun	219	0.0756	16.56
6	Haridwar	127	0.0756	9.60
7	Nainital	211	0.0756	15.95
8	Pauri	376	0.0756	28.43
9	Pithoragarh	208	0.0756	15.72
10	Rudraprayag	132	0.0756	9.98
11	Tehri	290	0.0756	21.92
12	U.S. Nagar	150	0.0756	11.34
13	Uttarkashi	124	0.0756	9.37
Total		2559	0.0750	193.46

Financial Requirement

An amount of **Rs 193.45 lakh** would be required for this activity .

8.18 Project-IT/e-governance

8.18.1 Shaala Darpan

This project brings together all its stakeholders, including parents, students, teachers, school management and school governance & administration. It is designed and created to enable services, based on school management systems, to provide students, parents and communities all the relevant information relating to performance of students in schools with effective use of MIS & ERP software applications and mobile technology.

Under this project, a series of services will be enabled through Schools information services are:

School profile Management

School profile Management system will record and maintain details of each schools such as student strength, area of the school, staff strength, photographs of the structure, a brief description of the school and other vital information. These can be accessed by the stakeholders for whenever required.

Student Profile Management

Student Profile Management will help maintain data of students profile, data of their parent and siblings, attendance, health records, mark sheets, scholarships information etc. Every students of Kendra Vidyalaya will have a smart card. A simple process of swiping the smart card in the classroom will mark the attendance. Their parents will get an SMS informing them about their child presence in the school in their language of choice. Besides being informative, this feature will also be an assurance of their childs safety.

Employee Information

Employee Information will manage schools staff details through biometrics and the software will help maintain records of attendance, recruitment, postings and transfers, pay& allowances, appraisals and pension.

Parents

Parents will also receive report card of their wards on email. The software will provide interface to record, grade and publish the same in their grade book.

Curriculum Tracking

Curriculum Tracking Will be about what their children are learning in classes. Curriculum and lesson plans can be accessed and understood.

Custom Reports for School Management & Administration:- Will enable inventory. Stock management and vendor payment reports computed and updated.

Shaala Darpan will not only revolutionize the conventional education system but take it further also to bring about seamlessness in the schools life of a child and become a boon to parents with transferable jobs.

Detail Bifurcation of cost in Different Activity

Category	Total No. of Schools	NICSI Rate Per School Rs	Total Cost (Rs)
Schools to be considered for Shaala Darpan Project	190	298819.00	56,775,610.00
Total	190		56,775,610.00

Item	NICSI Cost	UNIT	Total	VAT/ S.T	Tax Amount
Student Management Modules -Base Cost of Module	10,000.00	1	10,000.00	5.00	500.00
Student Management Modules -Cost per user	80.00	190	15,200.00	5.00	760.00
Student Management Modules -AMC for O&M period (for 1 Year)	12,500.00	1	12,500.00	14.00	1,750.00
Administration Modules -Base Cost of Module	10,000.00	1	10,000.00	5.00	500.00
Administration Modules -Cost per user	80.00	190	15,200.00	5.00	760.00
Administration Modules -AMC for O&M period (for 1 Year)	12,500.00	1	12,500.00	14.00	1,750.00
e-Learning System -Base Cost of	1,500.00	0	-	5.00	-

Item	NICSI Cost	UNIT	Total	VAT/ S.T	Tax Amount
Module					
e-Learning System -Cost per user	5.00	0	-	5.00	-
e-Learning System -AMC for O&M period (for 1 Year)	1,000.00	0	-	14.00	-
SMS Module -Base Cost of Module	1,500.00	1	1,500.00	5.00	75.00
SMS Module -Cost per user	5.00	190	950.00	5.00	47.50
SMS Module -AMC for O&M period (for 1 Year)	1,000.00	1	1,000.00	14.00	140.00
Parent/ Guardian Information Module -Base Cost of Module	1,500.00	0	-	5.00	-
Parent/ Guardian Information Module -Cost per user	5.00	0	-	5.00	-
Parent/ Guardian Information Module -AMC for O&M period (for 1 Year)	1,000.00	0	-	14.00	-
Online Payment Module -Base Cost of Module	1,500.00	0	-	5.00	-
Online Payment Module -Cost per user	5.00	0	-	5.00	-
Online Payment Module -AMC for O&M period (for 1 Year)	1,000.00	0	-	14.00	-
Online Admission -Base Cost of Module	1,500.00	0	-	5.00	-
Online Admission -Cost per user	5.00	0	-	5.00	-
Online Admission -AMC for O&M period (for 1 Year)	1,000.00	0	-	14.00	-
Multiple School Integrated Dashboard -Base Cost of Module	10,000.00	1	10,000.00	5.00	500.00
Multiple School Integrated Dashboard -Cost per user	5.00	190	950.00	5.00	47.50
Multiple School Integrated Dashboard -AMC for O&M period (for 1 Year)	2,500.00	1	2,500.00	14.00	350.00
Smart Card based System -Lump Sum Cost (upto 500 users)	10,000.00	1	10,000.00	5.00	500.00
Smart Card based System -Cost per Unit	20.00	190	3,800.00	5.00	190.00
Smart Card based System -AMC for O&M period (for 1 Year)	1,000.00	1	1,000.00	14.00	140.00
Smart Card based System -Lump Sum Cost (above 500 users)	20,000.00	0	-	5.00	-
Office Assistant -Cost per Man Month*	12,500.00	6	75,000.00	14.00	10,500.00
Data Entry Operator -Cost per Man Month*	11,500.00	6	69,000.00	14.00	9,660.00
TOTAL			251,100.00	TAX	28,170.00
Note			Tota AMC (Exl. Tax)		29,500.00
Pricing is for upto 500 students per school as per empanelment rate			Total Amount (Exl. Tax)		251,100.00
* While empanelment rates are stated here, Minimum wages would be applicable for manpower deployment			Total VAT @ 5%		3,880.00
			Total Ser. Tax @ 14%		24,290.00
			Total TAX (VAT+S.T)		28,170.00
			Total		279,270
			NICSI Payable (+7%)		298,819

Table 8.25 Proposal of Shala Darpan 2016-17

S.No.	Name of the District	No. of Schools	Unit Cost	Total Cost
1	Almora	22	2.988	65.74
2	Bageshwar	6	2.988	17.93
3	Chamoli	18	2.988	53.78
4	Champawat	8	2.988	23.90
5	Dehradun	12	2.988	35.86
6	Haridwar	12	2.988	35.86
7	Nainital	16	2.988	47.81
8	Pauri	30	2.988	89.64
9	Pithoragarh	16	2.988	47.81
10	Rudraprayag	6	2.988	17.93
11	Tehri	18	2.988	53.78
12	U.S. Nagar	14	2.988	41.83
13	Uttarkashi	12	2.988	35.86
Total		190	2.988	567.72

Financial Requirement

An amount of **Rs 567.72 lakh** would be required for this activity.

8.19 Identification of Learning Gaps and Enhancement of Learning Level at secondary stage (ILG&ELL)**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.

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.

3. 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

4. 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.

5. Identification of Learning Gaps (Base Line -Test)

The identification of learning gaps have been identified with the help of child friendly assessment on prescribed tool by state level. The methods of assessment adopted are written test, oral test, group discussion & group activities.

6. 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											

7. Remedial Teaching

Remedial teaching has been given to identify 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.

8. Post Assessment

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

9. 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.

This programme is presented in JRM of RMSA and appreciated by GOI. This programme is also discussed and appreciated in PAB meeting held on 24th April, 2014.

Table 8.26 Subject-wise % of Achievement in Pre & Post Assessment for year 2015-16

District Name	Hindi		English		Maths		Science	
	Pre (%)	Post (%)	Pre (%)	Post (%)	Pre (%)	Post (%)	Pre (%)	Post (%)
ALMORA	49.99	72.86	35.25	59.78	32.11	53.13	34.85	61.44
BAGESHWAR	50.00	72.00	33.00	54.00	29.00	50.00	36.00	60.00
CHAMOLI	52.52	69.90	36.72	57.47	30.13	45.06	43.46	59.75
CHAMPAWAT	43.76	65.77	24.08	39.58	22.85	39.08	28.09	50.01
DEHRADUN	59.81	35.08	75.34	53.40	72.98	43.63	74.39	55.09
HARIDWAR	49.55	63.89	40.21	67.54	28.26	44.72	47.69	68.17
NAINITAL	50.71	31.13	63.00	47.43	71.39	56.21	62.28	45.11
PAURI	50.90	67.89	36.40	54.03	30.46	46.18	41.25	59.44
PITHORAGARH	48.16	68.71	33.03	58.39	29.44	55.61	37.75	63.36
RUDRAPRAYAG	50.60	68.48	32.90	55.44	26.23	49.32	37.61	64.66
TEHRI	41.91	64.89	26.12	51.14	22.26	42.99	29.27	54.72
U.S. NAGAR	44.71	60.49	27.50	43.87	21.80	35.23	29.66	47.44
UTTARKASHI	38.28	24.28	64.80	47.40	47.28	36.71	32.20	20.30
State	48.53	58.87	40.64	53.04	35.71	45.99	41.12	54.58

Action Plan (State Level Activities)

Step	Activity	Schedule
Step-1	SRG Meeting (Discussion on Govt. G.O. and route map for Programme)	Feb. (1 st Week)
Step-2	Mapping of Subject-wise Competencies for Class VIII and IX	Feb. (2 nd Week)
Step-3	Development of Tools (Competency Based Assessment Tools)	Feb. (4 th Week)
Step-4	Training (KRP, MT, Teachers/Principal/BEO)	Mar. (2 nd Week)
Step-5	Identification of Learning Gaps (Base Line - Test)	Apr. (1 st Week)
Step-6	Mapping of Learning Gaps and Remedial Areas	Apr. (1 st Week)
Step-7	Remedial Teaching	Apr. (2 nd Week) to May. (2 nd Week)
Step-8	Post Assessment	May (3 rd Week)
Step-9	Remedial Teaching for NA+PA Children in Post Assessment	Rest Academic Session

Table 8.29 Proposal of Assessment Tools 2016-17

S. No.	Name of the Districts	No. of Schools (Govt. and Aided)	Physical (No. of Students)	Unit Cost (in lakh)	Total Amount (in lakh)
1	Almora	287	9364	0.00209	19.57
2	Bageshwar	105	4343	0.00209	9.08
3	Chamoli	224	5748	0.00209	12.01
4	Champawat	106	4307	0.00209	9.00
5	Dehradun	219	11602	0.00209	24.25
6	Haridwar	127	15616	0.00209	32.64
7	Nainital	211	10031	0.00209	20.96
8	Pauri	376	9388	0.00209	19.62
9	Pithoragarh	208	6032	0.00209	12.61
10	Rudrapur	132	4795	0.00209	10.02
11	Tehri	290	6620	0.00209	13.84
12	U.S. Nagar	150	16683	0.00209	34.87
13	Uttarkashi	124	4576	0.00209	9.56
Total		2559	109105	0.00209	228.03

Financial Requirement

An amount of **Rs 228.03 lakh** would be required for pre and post tools of all students.

8.20 Project on English

8.20.1 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 and post assessment of the students had been successfully conducted in 731 secondary schools by the working agency. The 5th JRM has appreciated the UNNATI programme during their visit from 28th February to 31st January 2015 in the State.

In accordance with the direction of GOI in the PAB meeting to hook up the programme for the year 2015-16, the third party evaluation of UNNATI programme has been conducted with the help of The Parivartan Educational Trust, Dehradun, Uttarakhand.

The salient features of the third party evaluation report:

- As per the result of base line survey remarkable achievement have been noticed in soft skill and confidence of the student.
- Statistics displayed that the UNNATI programme have been welcome by the stake holders.
- The community, teachers, principals, guardians and students are optimistic for the continuation of UNNATI programme.
- More such programme should be introduced.
- So the UNNATI programme is being proposed for the students of class IX and X studying in 2640 Govt. and Aided 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 has been conducted before start the A1 course
2. 90 hours or 90 days course was conducted in 731 schools.
3. After completion of course post assessment was conducted by the working agency.

Strategy

The working agency will provide study material, multimedia C.D. and facilitators for year 2016-17 as per the norms of MOU will be signed between "Sabhi ke liye Madhyamik Shiksha Parishad Uttarakhand" and working agency.

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 2559 schools for students of class IX and class X 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.

The programme will be run from September 2016 to November 2016 for year 2016-17.

Budget requirement

S.No.	Activity	Physical	Unit cost (In Lakh)	Total Cost (In Lakh)
1	Facilitator	2559	0.15	1151.55
2	Study Material	229740	0.0025	574.35
3	Monitoring and Evaluation and Assessment	2559	0.005	12.80
Total				1738.7

Table 8.30 Proposal of Honorarium of Instructor 2016-17

S.N.	District	No. of Schools	Unit Cost (in lakh)	Total Cost (in lakh)
1	Almora	287	0.15	129.15
2	Bageshwar	105	0.15	47.25
3	Chamoli	224	0.15	100.8
4	Champawat	106	0.15	47.7
5	Dehradun	219	0.15	98.55
6	Haridwar	127	0.15	57.15
7	Nainital	211	0.15	94.95
8	Pauri	376	0.15	169.2
9	Pithoragarh	208	0.15	93.6

S.N.	District	No. of Schools	Unit Cost (in lakh)	Total Cost (in lakh)
10	Rudraprayag	132	0.15	59.4
11	Tehri	290	0.15	130.50
12	US Nagar	150	0.15	67.5
13	Uttarkashi	124	0.15	55.8
Total		2559	0.15	1151.55

Table 8.31 Proposal of Learning Materials 2016-17

S.N.	District	No. of Schools	Physical (No. of Children)	Unit Cost (in lakh)	Total Cost (in lakh)
1	Almora	287	20970	0.0025	52.43
2	Bageshwar	105	6749	0.0025	16.87
3	Chamoli	224	12545	0.0025	31.36
4	Champawat	106	8462	0.0025	21.16
5	Dehradun	219	24843	0.0025	62.11
6	Haridwar	127	30158	0.0025	75.40
7	Nainital	211	22423	0.0025	56.06
8	Pauri	376	19926	0.0025	49.82
9	Pithoragarh	208	13392	0.0025	33.48
10	Rudraprayag	132	10086	0.0025	25.22
11	Tehri	290	16540	0.0025	41.35
12	US Nagar	150	34139	0.0025	85.35
13	Uttarkashi	124	9507	0.0025	23.77
Total		2559	229740	0.0025	574.35

Table 8.32 Proposal of Monitoring Evaluation & Assessment 2016-17

S.N.	District	No. of Schools	Unit Cost (in lakh)	Total Cost (in lakh)
1	Almora	287	0.005	1.44
2	Bageshwar	105	0.005	0.53
3	Chamoli	224	0.005	1.12
4	Champawat	106	0.005	0.53
5	Dehradun	219	0.005	1.10
6	Haridwar	127	0.005	0.64
7	Nainital	211	0.005	1.06
8	Pauri	376	0.005	1.88
9	Pithoragarh	208	0.005	1.04
10	Rudraprayag	132	0.005	0.66
11	Tehri	290	0.005	1.45
12	US Nagar	150	0.005	0.75
13	Uttarkashi	124	0.005	0.62
Total		2559	0.005	12.80

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.

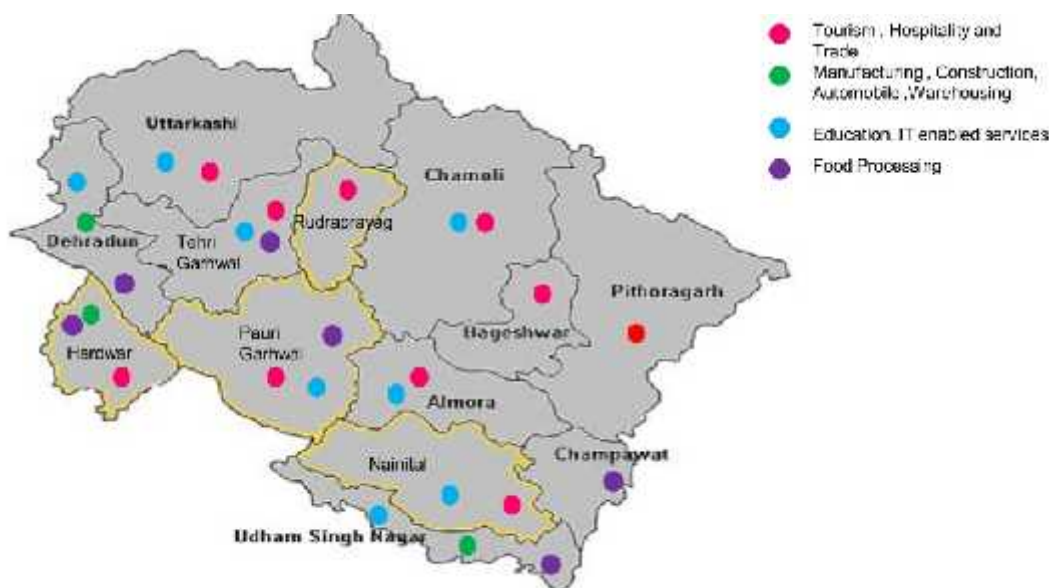
Institutions to be covered

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

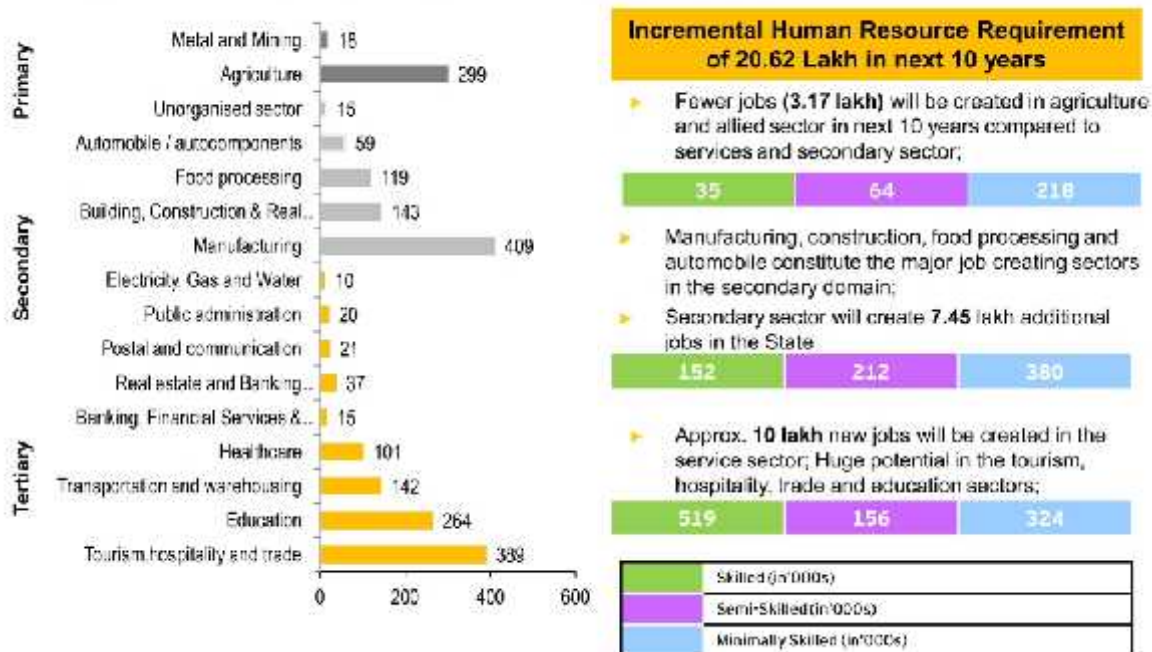
National Skill Development Corporation (NSDC) has conducted skill gap analysis survey for Uttarakhand State. Which shows the results follows:



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. Health 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 06 sectors. 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 2015-16.

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 Wadhwani 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 under Vocational Education

- ☐ 80 Schools (40 Plain & 40 Hill) are selected in all 13 districts.
- ☐ Labs space identified in selected schools.
- ☐ SRG for vocational education constituted at state level.
- ☐ MOU signed with Wadhwani 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 Wadhwani 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.
- ❑ e-Tender were invited in 03 times for selection of implementing firm, but in previous 02 bids due to insufficient number of tenders received, the bid has been not accepted. In 3rd time single bid has received for 03 trades and 02 bids received for 01 trade (Health Care).
- ❑ The executive committee has decided after the review of previous 02 e-Tenders, that if in the 3rd time only 01 bid which fulfill the necessary norms will be considered. In case no bid will received in 3rd time or no bidder will qualified then SIS RMSA will invite the empanelled Vocational Training Partners (VTPs) of National Skill Development Corporation (NSDC) and select the trade-wise VTP for programme.
- ❑ The executive committee has directed to SIS will execute the programme definitely from April, 2017.
- ❑ 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 & Wadhwani Foundation and procurement process will be taken by SMDC/SMC as per RMSA Financial & Procurement Manual. The list of trade-wise equipment is finalized by SRG.

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 2016-17

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, 2016;

Table 9.2 Sanctioned & Proposed No. of Vocational School

S.No.	Districts	Sanctioned in Previous Year	Fresh proposal	Total
1	Almora	3	21	24
2	Bageshwer	3	4	7
3	Chamoli	4	15	19
4	Champawat	2	8	10
5	Dehradun	12	8	20
6	Haridwar	7	8	15
7	Nainital	10	12	22
8	Pauri	6	29	35
9	Pithoragarh	6	15	21
10	Rudrapur	3	7	10
11	Tehri	5	18	23
12	U.S. Nagar	17	9	26
13	Uttarkashi	2	11	13
Total		80	165	245

Table 9.2 List of Sanctioned Schools for Vocational Education in 2015-16

S. No	District	Name of Schools	U DISE Code	Trade-1	Trade-2	Sanc. Year	Hill (H)/ Plain(P)
1	ALMORA	G.I.C. LODHIYA	5090604902	IT	Automobile	2014-15	H
2	ALMORA	G.I.C. BARAKUNA	5090513302	Tourism	Beauty & Wellness	2015-16	H
3	ALMORA	G.I.C. DWARAHAT	5090400701	IT	Tourism	2015-16	H
4	BAGESHWAR	V.M.J.S.G I.C. Bageshwar	5080100104	IT	Automobile	2014-15	H
5	BAGESHWAR	G.G I C BAGESHWAR	5080100404	Beauty & Wellness	IT	2015-16	H
6	BAGESHWAR	G I C KAUSANI	5080309703	Beauty & Wellness	Tourism	2015-16	H
7	CHAMOLI	GIC GOPESHWAR	5020203304	IT	Automobile	2014-15	H
8	CHAMOLI	GGIC JOSHIMATH	5020108003	IT	Patient Care	2014-15	H
9	CHAMOLI	GIC GADORA	5020209202	Tourism	Patient Care	2015-16	H
10	CHAMOLI	G.G.I.C. GOCHAR	5020413913	IT	Patient Care	2015-16	H
11	CHAMPAWAT	GIC Lohaghat	5100209204	IT	Automobile	2014-15	H
12	CHAMPAWAT	GGIC CHAMPAWAT	5100305001	Tourism	Patient Care	2015-16	H
13	DEHRADUN	GIC LAKHAMANDAL	5050108602	IT	Automobile	2014-15	H
14	DEHRADUN	G. I. C SAHIYA	5050217303	IT	Automobile	2014-15	H
15	DEHRADUN	G.I.C SABHAWALA	5050306710	IT	Automobile	2014-15	P
16	DEHRADUN	G.I.C MUSSORIEE	5050432801	IT	Patient Care	2014-15	H
17	DEHRADUN	G.I.C MALDEVTA	5050507702	Retail	Patient Care	2014-15	P
18	DEHRADUN	G.G.I.C RISHIKESH	5050633206	Retail	Patient Care	2014-15	P
19	DEHRADUN	G.I.C HARBERTPUR	5050308501	IT	Automobile	2013-14	P
20	DEHRADUN	G.I.C SELAKUI	5050400405	IT	Automobile	2013-14	P
21	DEHRADUN	G.I.C BSN GUJRARA	5050501203	IT	Automobile	2013-14	P
22	DEHRADUN	G.G.I.C RAJPUR ROAD	5050530546	IT	Automobile	2013-14	P
23	DEHRADUN	GOVT INTER COLLEGE MEHUWALA	5050500110	Patient Care	Automobile	2015-16	P
24	DEHRADUN	GOVT. INTER COLLEGE I.D.P.L.	5050619903	Tourism	Patient Care	2015-16	P
25	HARIDWAR	G.I.C. IMLIKHERA	5130801406	IT	Patient Care	2014-15	P
26	HARIDWAR	G.I.C. SALEMPUR	5130103006	IT	Retail	2014-15	P
27	HARIDWAR	G.I.C. BHOGPUR	5130511202	IT	Automobile	2014-15	P
28	HARIDWAR	G.G.I.C. JAWALAPUR	5130114913	IT	Automobile	2013-14	P
29	HARIDWAR	G.I.C. BHEL	5130110407	IT	Automobile	2013-14	P
30	HARIDWAR	G.I.C. ROORKEE	5130814101	IT	Automobile	2013-14	P
31	HARIDWAR	GIC LALDHANG	5130108404	IT	Tourism	2015-16	P
32	NAINITAL	GIC LAL KUAN	5110403507	Retail	Automobile	2014-15	P
33	NAINITAL	GGIC NAINITAL	5110300246	IT	Patient Care	2014-15	H

S. No	District	Name of Schools	U DISE Code	Trade-1	Trade-2	Sanc. Year	Hill (H)/ Plain(P)
34	NAINITAL	GIC SUNDARKHAL	5110705401	IT	Automobile	2014-15	H
35	NAINITAL	GIC BETALGHAT	5110805205	IT	Automobile	2014-15	H
36	NAINITAL	GGIC KOTABAGH	5110504504	IT	Patient Care	2014-15	H
37	NAINITAL	GIC OKHALKANDA	5110614203	IT	Automobile	2014-15	H
38	NAINITAL	GIC RAMGARH	5110213602	IT	Automobile	2014-15	H
39	NAINITAL	GGIC RAMNAGAR	5110110204	Retail	Patient Care	2014-15	P
40	NAINITAL	GGIC DHOLAKHERA	5110402402	Beauty & Wellness	Tourism	2015-16	P
41	NAINITAL	GIC LAMACHAUR	5110401701	Beauty & Wellness	Tourism	2015-16	P
42	PAURI	GOVT. INTER COLLEGE KOTDWAR	5060814803	IT	Automobile	2014-15	P
43	PAURI	GOVT. GIRLS INTER COLLEGE SRINAGAR	5060202111	IT	Patient Care	2014-15	H
44	PAURI	GGIC PAURI	5060108104	Beauty & Wellness	Tourism	2015-16	H
45	PAURI	GGIC KOTDWAR	5060814802	Beauty & Wellness	Tourism	2015-16	P
46	PAURI	GGIC GHAMANDPUR	5060810407	Beauty & Wellness	Tourism	2015-16	H
47	PAURI	GGIC LANSDOWN	5061201805	Beauty & Wellness	Tourism	2015-16	H
48	PITHORAGARH	GIC PITTORAGARH	5070104504	IT	Automobile	2014-15	H
49	PITHORAGARH	SDS GIC PITHORAGARH	5070125106	Tourism	Patient Care	2015-16	H
50	PITHORAGARH	GGIC DIDIHAT	5070402605	Beauty & Wellness	Patient Care	2015-16	H
51	PITHORAGARH	GGIC DHARCHULA	5070513824	Tourism	Patient Care	2015-16	H
52	PITHORAGARH	G.I.C. MUNSYARI	5070604901	Tourism	Patient Care	2015-16	H
53	PITHORAGARH	MAHAKALI GIC GANGOLIHAT	5070803004	Tourism	Patient Care	2015-16	H
54	RUDRAPRAYAG	G.I.C.Rudraprayag	5030122106	IT	Automobile	2014-15	H
55	RUDRAPRYAG	GIC RAMASRAM	5030201202	Tourism	Automobile	2015-16	H
56	RUDRAPRYAG	GIC UKHIMATH	5030301603	Tourism	Automobile	2015-16	H
57	TEHRI	GICTapovan	5040707604	IT	Automobile	2014-15	P
58	TEHRI GARHWAL	GIC CHAMBA	5040223009	IT	Automobile	2015-16	H
59	TEHRI GARHWAL	GIC DUADHAR	5040725502	Beauty & Wellness	IT	2015-16	H
60	TEHRI GARHWAL	GIC KEMPTY	5040523203	Tourism	Beauty & Wellness	2015-16	H
61	TEHRI GARHWAL	GIC HINDOLAKHAL	5040326202	Tourism	Beauty & Wellness	2015-16	H
62	U.S. NAGAR	GHS Sisauna	5120602107	IT	Automobile	2014-15	P
63	U.S. NAGAR	GHS Basai	5120309401	IT	Retail	2014-15	P
64	U.S. NAGAR	GHS Charuveta	5120403302	IT	Patient Care	2014-15	P
65	U.S. NAGAR	GIC Sultanpurpatti	5120707208	IT	Patient Care	2014-15	P
66	U.S. NAGAR	GICJainagar	5120105302	Retail	Automobile	2014-15	P
67	U.S. NAGAR	GIC,Sitarganj	5120609219	IT	Automobile	2013-14	P
68	U.S. NAGAR	GIC AN JHA Rudrapur	5120201749	IT	Automobile	2013-14	P
69	U.S. NAGAR	GGIC,Pantnagar	5120209901	IT	Automobile	2013-14	P
70	U.S. NAGAR	GIC Mahuvakhedaganj	5120503606	IT	Automobile	2013-14	P
71	U.S. NAGAR	GGIC KHATIMA	5120404118	Patient Care	IT	2015-16	
72	U.S. NAGAR	GGIC SITARGANJ	5120609220	Patient Care	IT	2015-16	P
73	U.S. NAGAR	GIC SHAKTIFORM	5120604312	Automobile	IT	2015-16	P
74	U.S. NAGAR	GIC FOUJI MATKOTA	5120201767	Automobile	IT	2015-16	P
75	U.S. NAGAR	GGIC GADARPUR	5120107424	Patient Care	Beauty & Wellness	2015-16	P
76	U.S. NAGAR	GGIC BAZPUR	5120707328	Patient Care	Beauty & Wellness	2015-16	P
77	U.S. NAGAR	GGIC KASHIPUR	5120505172	Patient Care	Retail	2015-16	P
78	U.S. NAGAR	GGIC JASPUR	5120307924	Patient Care	Beauty & Wellness	2015-16	P
79	UTTARKASHI	GIC UTTARKASHI	5010109226	IT	Automobile	2014-15	H
80	UTTARKASHI	GIC BARKOT	5010518411	IT	Automobile	2015-16	H

Proposal for 2016-17

State Government has decided to develop the 02 Government secondary school in each block as model schools with provides the necessary physical and human resources from different sources/schemes. These model schools will be centre of Excellency at block level. Vocational Education programme also proposed in these schools. District-wise new proposed schools are following:

Table 9.3 List of Proposed Schools for Vocational Education (2016-17)

S. No.	Name of District	Name of Schools	UDISE Code	Vocational Trade 1	Vocational Trade 2
1	ALMORA	G.I.C. NAUGAON REETHAGADH	05090100902	TOURISM	HEALTH CARE
2	ALMORA	G.I.C. DHAULCHHINA	05090102703	IT	TOURISM
3	ALMORA	G.I.C. BHIKIYASAIN	05090200102	TOURISM	IT
4	ALMORA	G.I.C. CHAUNALIYA	05090212301	TOURISM	IT
5	ALMORA	G.I.C. CHAUKHUTIYA	05090300404	TOURISM	IT
6	ALMORA	G.G.I.C. MASI	05090302103	TOURISM	HEALTH CARE
7	ALMORA	G.I.C. BAGWALIPOKHAR	05090406202	TOURISM	IT
8	ALMORA	G.I.C. CHAMTOLA	05090506502	TOURISM	IT
9	ALMORA	G.I.C. BHANAULI	05090503903	TOURISM	IT
10	ALMORA	G.I.C. HAWALBHAG	05090602004	TOURISM	IT
11	ALMORA	G.I.C. ALMORA	05090614701	TOURISM	IT
12	ALMORA	G.I.C. KANRA	05090704002	TOURISM	IT
13	ALMORA	G.G.I.C. JAINTI	05090711406	TOURISM	HEALTH CARE
14	ALMORA	G.I.C. MANILA	05090805803	TOURISM	IT
15	ALMORA	G.I.C. DEWAYAL	05090801603	TOURISM	IT
16	ALMORA	G.I.C. MAALIKHET	05090901903	TOURISM	IT
17	ALMORA	G.I.C. JAURASI	05090905103	TOURISM	IT
18	ALMORA	G.G.I.C. SOMESHWER	05091002803	TOURISM	HEALTH CARE
19	ALMORA	G.I.C. GANANATH	05091022102	TOURISM	IT
20	ALMORA	G.G.I.C. RANIKHET	05091103902	TOURISM	BEAUTY & WELLNESS
21	ALMORA	G.I.C. DEWLALIKHET	05091112402	TOURISM	IT
22	BAGESHWAR	G I C KANDA	05080107902	IT	TOURISM
23	BAGESHWAR	G I C GARUR	05080303202	IT	TOURISM
24	BAGESHWAR	G I C KAPKOT	05080202707	HEALTH CARE	TOURISM
25	BAGESHWAR	G I C KARMI	05080204201	HEALTH CARE	TOURISM
26	CHAMOLI	GIC NAGNATH POKHARI	05020505806	TOURISM	HEALTH CARE
27	CHAMOLI	GIC NANDPRYAG	05020213201	TOURISM	IT
28	CHAMOLI	GIC BANJBAGAR	05020300103	IT	HEALTH CARE
29	CHAMOLI	GIC BAIRASKUND	05020302303	IT	HEALTH CARE
30	CHAMOLI	GIC RADUA CHANDNIKHAL	05020507003	IT	HEALTH CARE
31	CHAMOLI	GIC MAEHALCHOURI	05020607303	IT	HEALTH CARE
32	CHAMOLI	GIC AADIBADRI	05020617801	TOURISM	IT
33	CHAMOLI	GIC PAINTOLI	05020702604	IT	HEALTH CARE
34	CHAMOLI	G.I.C. NARAYANBAGAR	05020710403	IT	HEALTH CARE
35	CHAMOLI	GIC THARALI	05020802806	TOURISM	IT
36	CHAMOLI	GIC GWALDAM	05020808006	TOURISM	HEALTH CARE
37	CHAMOLI	GIC BORAGAD	05020900803	TOURISM	IT
38	CHAMOLI	GIC MUNDOLI	05020902003	TOURISM	IT
39	CHAMOLI	GIC TAPOVAN	05020101703	TOURISM	HEALTH CARE
40	CHAMOLI	GIC KARANPRAYAG	05020400804	AUTOMOBILE	IT
41	CHAMPAWAT	GIC BARAKOT	05100108102	TOURISM	HEALTH CARE
42	CHAMPAWAT	GIC CHOUMAIL	05100102203	TOURISM	HEALTH CARE
43	CHAMPAWAT	GIC PULHINDOLA	05100209001	TOURISM	HEALTH CARE
44	CHAMPAWAT	GGIC LOHAGHAT	05100210501	TOURISM	HEALTH CARE
45	CHAMPAWAT	GIC CHAMPAWAT	05100304701	TOURISM	BEAUTY & WELLNESS
46	CHAMPAWAT	GGIC TANAKPUR	05100309403	TOURISM	BEAUTY & WELLNESS
47	CHAMPAWAT	GGIC KHETIKHAN	05100402303	TOURISM	HEALTH CARE
48	CHAMPAWAT	GIC PATI	05100404202	TOURISM	HEALTH CARE
49	DEHRADUN	GOVT INTER COLLEGE QWANSI	05050106003	HEALTH CARE	TOURISM
50	DEHRADUN	GOVT INTER COLLEGE TUINI	05050124702	HEALTH CARE	TOURISM
51	DEHRADUN	GOVT. INTER COLLEGE KALSI	05050201208	HEALTH CARE	TOURISM
52	DEHRADUN	GOVT. INTER COLLEGE NAAGTHAT	05050211102	HEALTH CARE	TOURISM
53	DEHRADUN	GOVT. INTER COLLEGE DAKPATTHAR	05050301102	HEALTH CARE	TOURISM
54	DEHRADUN	GOVT. GIRLS INTER COLLEGE KAULAGARH	05050420907	HEALTH CARE	RETAIL
55	DEHRADUN	GOVT INTER COLLEGE KISHANPUR	05050520801	BEAUTY & WELLNESS	RETAIL
56	DEHRADUN	GOVT. INTER COLLEGE BARONWALA JOLLY	05050605617	HEALTH CARE	RETAIL
57	HARIDWAR	G.I.C. NIRANJANPUR	05130508502	RETAIL	TOURISM
58	HARIDWAR	G.I.C. JHABRERA	05130716701	RETAIL	BEAUTY & WELLNESS
59	HARIDWAR	G.H.S. GORDHANPUR	05130401402	IT	AUTOMOBILE
60	HARIDWAR	G.I.C. BOYS SIKRAUDA	05130201208	HEALTH CARE	BEAUTY & WELLNESS
61	HARIDWAR	G.I.C. KUNJA BAHADURPUR	05130206906	IT	HEALTH CARE
62	HARIDWAR	G.I.C. PODOWALI KHANPUR	05130403003	IT	TOURISM
63	HARIDWAR	G.I.C. MUNDAKHERHA KALA	05130506406	IT	AUTOMOBILE
64	HARIDWAR	G.I.C. LALDHANG	05130108404	IT	AUTOMOBILE
65	NAINITAL	GIC KOTABAGH	05110504503	IT	HEALTH CARE
66	NAINITAL	G I C LAMACHOOR	05110401701	IT	RETAIL
67	NAINITAL	GIC DONPAREWA	05110502101	IT	TOURISM
68	NAINITAL	GIC DHANACULI	05110705002	HEALTH CARE	TOURISM
69	NAINITAL	GIC PIUDA	05110211801	IT	HEALTH CARE

S. No.	Name of District	Name of Schools	UDISE Code	Vocational Trade 1	Vocational Trade 2
70	NAINITAL	GIC DOULATPUR	05110410501	IT	AUTOMOBILE
71	NAINITAL	GIC KHEIRNA	05110802702	IT	TOURISM
72	NAINITAL	GIC PATLOT	05110609602	IT	TOURISM
73	NAINITAL	GIC NAI	05110603002	AUTOMOBILE	HEALTH CARE
74	NAINITAL	GIC PATKOT	05110101203	IT	TOURISM
75	NAINITAL	GIC KARANPUR	05110109103	HEALTH CARE	BEAUTY & WELLNESS
76	NAINITAL	GIC PATUADANGAR	05110311602	BEAUTY & WELLNESS	TOURISM
77	PAURI	GOVT. INTER COLLEGE KALESHWAR	05060104102	TOURISM	IT
78	PAURI	GOVT. INTER COLLEGE PAURI	05060109901	HEALTH CARE	IT
79	PAURI	GOVT. INTER COLLEGE SRINAGAR	05060202110	HEALTH CARE	RETAIL
80	PAURI	GOVT. INTER COLLEGE KHIRSU	05060206904	TOURISM	IT
81	PAURI	GOVT. INTER COLLEGE SAKANKARSAIN	05060304902	TOURISM	HEALTH CARE
82	PAURI	GOVT. INTER COLLEGE PABAU	05060302501	TOURISM	IT
83	PAURI	GOVT. INTER COLLEGE KOT	05060400601	TOURISM	HEALTH CARE
84	PAURI	GOVT. INTER COLLEGE DEVPRAYAG	05060407502	TOURISM	HEALTH CARE
85	PAURI	GOVT. INTER COLLEGE KANSKHET	05060501403	TOURISM	IT
86	PAURI	GOVT. INTER COLLEGE BILKHET	05060504202	TOURISM	IT
87	PAURI	GOVT. INTER COLLEGE NAUGAONKHAL	05060602603	TOURISM	HEALTH CARE
88	PAURI	GOVT. INTER COLLEGE EKESHWAR	05060607602	TOURISM	HEALTH CARE
89	PAURI	GOVT. INTER COLLEGE DAMDEVAL	05060702005	TOURISM	IT
90	PAURI	GOVT. INTER COLLEGE POKHRA	05060708003	TOURISM	HEALTH CARE
91	PAURI	GOVT. INTER COLLEGE DUGADDA	05060814003	HEALTH CARE	RETAIL
92	PAURI	GOVT. INTER COLLEGE BHIRGUKHAL	05060904402	TOURISM	IT
93	PAURI	GOVT. INTER COLLEGE LAXMANJHOOLA	05060908601	TOURISM	RETAIL
94	PAURI	GOVT. INTER COLLEGE SIDHKHAL	05061002102	TOURISM	IT
95	PAURI	GOVT. INTER COLLEGE RIKHNIKHAL	05061006402	TOURISM	IT
96	PAURI	GOVT. INTER COLLEGE VEDIKHAL	05061112503	TOURISM	IT
97	PAURI	GOVT. INTER COLLEGE BIRONKHAL	05061112602	TOURISM	IT
98	PAURI	GOVT. INTER COLLEGE LANSDOWN	05061201804	TOURISM	HEALTH CARE
99	PAURI	GOVT. INTER COLLEGE SIDHPUR DAUNTHIYAL	05061203702	RETAIL	HEALTH CARE
100	PAURI	GOVT. INTER COLLEGE PATOTIYA	05061304602	TOURISM	IT
101	PAURI	GOVT. INTER COLLEGE DHUMAKOT	05061307002	TOURISM	IT
102	PAURI	GOVT. INTER COLLEGE CHAKISAIN	05061409002	TOURISM	HEALTH CARE
103	PAURI	GOVT. INTER COLLEGE THALISAIN	05061416501	TOURISM	HEALTH CARE
104	PAURI	GOVT. INTER COLLEGE SATPULI	05061503501	RETAIL	HEALTH CARE
105	PAURI	GOVT. INTER COLLEGE KIRTIKHAL	05061511201	TOURISM	IT
106	PITHORAGARH	GANGOTRI GARBYAL GGIC PITHORAGARH	05070113901	BEAUTY & WELLNESS	HEALTH CARE
107	PITHORAGARH	GGIC MOONAKOT	05070206403	BEAUTY & WELLNESS	HEALTH CARE
108	PITHORAGARH	GIC AATH GAON SHILING	05070207402	TOURISM	HEALTH CARE
109	PITHORAGARH	GIC MUWANI	05070311105	TOURISM	IT
110	PITHORAGARH	GIC KANALAICHHINA	05070311603	TOURISM	IT
111	PITHORAGARH	GIC DIDIHAT	05070403002	TOURISM	IT
112	PITHORAGARH	G.I.C. JAURASI	05070408002	TOURISM	IT
113	PITHORAGARH	GIC BARAM	05070506602	TOURISM	IT
114	PITHORAGARH	GIC DHARCHULA	05070513820	TOURISM	IT
115	PITHORAGARH	G.I.C. DOR	05070600204	TOURISM	IT
116	PITHORAGARH	GOVT I C. MADKOT	05070602903	TOURISM	IT
117	PITHORAGARH	GGIC BERINAG	05070705402	BEAUTY & WELLNESS	HEALTH CARE
118	PITHORAGARH	GIC PANKHU	05070708902	TOURISM	IT
119	PITHORAGARH	GIC BANKOT	05070804904	TOURISM	IT
120	PITHORAGARH	GIC TAMANAULI	05070824202	TOURISM	IT
121	RUDRAPRYAG	GIC RUDRAPRYAG	05030122106	TOURISM	AUTOMOBILE
122	RUDRAPRYAG	GIC AUGUSTYAMUNI	05030100109	TOURISM	HEALTH CARE
123	RUDRAPRYAG	GIC SIDHSOUR	05030209401	TOURISM	AUTOMOBILE
124	RUDRAPRYAG	GHS PAUNTHI	05030203402	TOURISM	AUTOMOBILE
125	RUDRAPRYAG	GIC RAMASRAM	05030201202	TOURISM	HEALTH CARE
126	RUDRAPRYAG	GIC UKHIMATH	05030301603	TOURISM	HEALTH CARE
127	RUDRAPRYAG	GIC GUPTKASHI	05030309603	TOURISM	RETAIL
128	TEHRI	GIC GHUMETIDHAR	05040111303	IT	AUTOMOBILE
129	TEHRI	GIC AKHORI	05040118903	BEAUTY & WELLNESS	IT
130	TEHRI	GIC CHAMBA	050402230902	IT	AUTOMOBILE
131	TEHRI	GIC HINDOLAKHAL	05040326202	BEAUTY & WELLNESS	TOURISM
132	TEHRI	GIC ANJANISAIN	05040407104	BEAUTY & WELLNESS	TOURISM
133	TEHRI	GIC NAINBAG	05040505402	IT	AUTOMOBILE
134	TEHRI	GIC THATYUR	05040510002	BEAUTY & WELLNESS	TOURISM

S. No.	Name of District	Name of Schools	UDISE Code	Vocational Trade 1	Vocational Trade 2
135	TEHRI	GIC KIRTINAGAR	05040617401	HEALTH CARE	TOURISM
136	TEHRI	GIC KILKILESHWAR	05040617501	HEALTH CARE	TOURISM
137	TEHRI	GGIC NARENDRANAGAR	05040722005	BEAUTY & WELLNESS	HEALTH CARE
138	TEHRI	GIC KAMAND	05040902902	IT	TOURISM
139	TEHRI	GIC CHHAM	05040904905	IT	TOURISM
140	TEHRI	GIC NAKOT	05040200204	IT	TOURISM
141	TEHRI	GIC PAURIKHAL	05040327501	IT	TOURISM
142	TEHRI	GIC RAJAKHET	05040414802	BEAUTY & WELLNESS	TOURISM
143	TEHRI	GIC JAJAL	05040701003	IT	TOURISM
144	TEHRI	GIC PRATAPNAGAR	05040802803	BEAUTY & WELLNESS	TOURISM
145	TEHRI	GIC OKHLAKHAL	05040800303	BEAUTY & WELLNESS	TOURISM
146	U.S. NAGAR	GIC JHANKAT	05120409902	IT	HEALTH CARE
147	U.S. NAGAR	GIC SAKTIFARM	05120610305	IT	AUTOMOBILE
148	U.S. NAGAR	GIC SANTIPURI	05120206209	IT	AUTOMOBILE
149	U.S. NAGAR	GIC GADARPUR	05120107423	IT	RETAIL
150	U.S. NAGAR	GGIC DINESHPUR	05120107510	BEAUTY & WELLNESS	HEALTH CARE
151	U.S. NAGAR	GIC BARHAINI	05120701212	IT	RETAIL
152	U.S. NAGAR	GIC PRATAPPUR	05120500703	IT	RETAIL
153	U.S. NAGAR	GIC BANSHKHERA	05120502303	RETAIL	HEALTH CARE
154	U.S. NAGAR	GIC MAHUWA DABARA	05120308207	IT	HEALTH CARE
155	UTTARKASHI	GIC MANERI	05010104206	IT	TOURISM
156	UTTARKASHI	GIC DHONTRI	05010309807	IT	TOURISM
157	UTTARKASHI	GIC MAATLI	05010300703	HEALTH CARE	TOURISM
158	UTTARKASHI	GIC CHINYALI SOUR	05010205211	HEALTH CARE	TOURISM
159	UTTARKASHI	GIC BANCHAURA	05010203208	IT	AUTOMOBILE
160	UTTARKASHI	GGIC BARKOT	05010518410	HEALTH CARE	TOURISM
161	UTTARKASHI	GIC NAUGAON	05010509704	HEALTH CARE	TOURISM
162	UTTARKASHI	GIC PUROLA	05010603707	HEALTH CARE	TOURISM
163	UTTARKASHI	GIC HUDOLI	05010602204	IT	TOURISM
164	UTTARKASHI	GIC MORI	05010410601	HEALTH CARE	TOURISM
165	UTTARKASHI	GIC ARAKOT	05010401603	IT	TOURISM

Budgetary Proposal

The state proposed recurring budget for 80 school sanctioned in 2015-16 and non-recurring and recurring component for 165 new schools proposed in 2016-17.

The state has proposed following non-recurring and recurring component for 2016-17:

Head			Unit Cost	Phy	Fin
Non - Recurring					
A	Introduction of VE in schools				
	a.1	Tools, Equipment & Furniture	10.00000	165	1650.00
	a.2	Workshop / Laboratory	0.00000	0	0.00
Total (Non - Recurring)					1650.00
Recurring					
B	Recurring support				
	b.1	Assessment and Certification Cost(New)	0.30000	165	49.50
	b.2	Assessment and Certification Cost(Prev.)	0.30000	80	24.00
	b.3	Cost of providing Hands on Skill Training to Students(New)	0.37500	165	61.88
	b.4	Cost of providing Hands on Skill Training to Students(prev.)	0.37500	80	30.00
	b.5	Flexible Pool for Engaging Resource Person (New)	7.25000	165	1196.25
	b.6	Flexible Pool for Engaging Resource Persons(prev.)	7.25000	80	580.00
	b.7	Office Expenses / Contingencies for new school(New)	1.00000	165	165.00
	b.8	Office Expenses / Contingencies for new school(Prev.)	1.00000	80	80.00
	b.9	Raw material Grant for new school per course (New)	0.70000	165	115.50
	b.10	Raw material grant for new school per course (Prev.)	0.70000	80	56.00
Total					2358.13
C	Teacher Training				

Head			Unit Cost	Phy	Fin
	c.1	Induction training of Teachers (4 week)	0.22000	330	72.60
	c.2	Induction training of Teachers (prev.)	0.22000	160	35.20
	Total				107.80
Total (Recurring)					2465.93
Total VE (Non - Recurring + Recurring)					4115.93

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 agency in year 2010-11. State Government has also nominated State PWD as construction agency in year 2015-16. As per GOI norms SMCs/SMDCs are responsible for construction of civil works up to Rs. 30.00 lakhs. 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 DSR based costing. State Government has prepared model estimates for hill & plain areas and calculated the average unit cost for civil works on the basis of proposed civil works. The average unit cost for civil work is follows:

S. No.	Name of Work	Total Area	Unit Cost as per DSR		Average Unit Cost
			Hill	Plain	
1	Class Room	1. Room size of 7 X 7 Sq. Mtrs. with additional 35% for circulation area (20%) and wall area (15%) 2. Total Plinth Area of 66 Sq. Mtrs.	17.79	12.27	17.02
2	Science Laboratory Room		19.09	14.97	19.71
3	HM/Principal Room		17.79	12.27	15.03
4	Office Room		17.79	12.27	15.03
5	Computer Room		17.79	12.27	17.17
6	Art & Craft Room		17.79	12.27	17.03
7	Library Room	1. Room size of 7 X 10.60 Sq. Mtrs. with additional 35% for circulation area (20%) and wall area (15%). 2. Total Plinth Area of 100 Sq. Mtrs.	23.23	15.13	21.83
8	Toilet Block & Drinking Water Facility	1. Separate Toilet Block for Boys & Girls. 2. Provision of Drinking Water.	11.17	7.51	8.32

Note: As per DSR 2014 of CPWD letter no. 22(1) Cost Index/1443, dated 27/08/2015 for Block Joshimath of District Chamoli index 156. **Calculation :** $(156 - 105)/105 * 100 = 48.57\%$ or say **49.00%**

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. GOI issued a letter no. F.1-5/2014-RMSA-III, dated 7th August, 2015 and directed to SIS that the total pool of non-recurring grants released by this Ministry can be utilized for civil works pertaining to approvals of any financial year. However priority may be given to completion of on-going works. On the basis of total expenditure incurred. Now all sanctioned works are allotted to construction agencies.

Progress of Civil Works

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

S. No.	Component	Gap (as per SEMIS 2009-10)	Sanctioned till 2015-16	Proposed	Remaining Gap	Remaining Gap (%)
1	Class Room	1569	1278	181	110	7.01%
2	Toilet Block	705	672	36	0	0.00%
3	Library Room	1959	639	192	1128	57.58%
4	Computer Room	1385	614	157	614	44.33%
5	Science Lab Room	1339	561	131	647	48.32%
6	Art & Craft Room	2117	651	195	1271	60.04%

Proposal for Cancelled Civil Work

The following civil works are proposed for cancellation after approval of District Project Committee (DPC):

(Rs. in Lakhs)

S. No.	District	Sanc. Year	U-DISE	Name of School	Works	Nos.	GOI Approved Cost
1	ALMORA	2009-10	05091102302	GHS SALIKHET	CLASS ROOM	2	17.36
					SCIENCE LAB	1	
2	CHAMPAWAT	2009-10	05100109202	GHS KOTHERA	CLASS ROOM	1	5.63
3	CHAMOLI	2010-11	05020903502	GGHS DEWAL	CLASS ROOM	1	30.23
					SCIENCE LAB	1	
					COMPUTER ROOM	1	
					ART & CRAFT ROOM	1	

S. No.	District	Sanc. Year	U-DISE	Name of School	Works	Nos.	GOI Approved Cost
					LIBRARY ROOM	1	
					TOILET BLOCK	1	
3	CHAMOLI	2010-11	05020611101	GIC BACHHUWABAAN	CLASS ROOM	4	47.12
					SCIENCE LAB	1	
					COMPUTER ROOM	1	
					ART & CRAFT ROOM	1	
					LIBRARY ROOM	1	
					TOILET BLOCK	1	
4	CHAMOLI	2010-11	05020622802	GIC NAIL KHANSAR	CLASS ROOM	3	35.39
					COMPUTER ROOM	1	
					ART & CRAFT ROOM	1	
					LIBRARY ROOM	1	
					TOILET BLOCK	1	
5	HARIDWAR	2013-14	05130205107	GHS DHEERMAJARA	CLASS ROOM	4	106.55
					SCIENCE LAB	1	
					COMPUTER ROOM	1	
					ART & CRAFT ROOM	1	
					LIBRARY ROOM	1	
					TOILET BLOCK	1	
					HEAD MASTER ROOM	1	
OFFICE ROOM	1						
6	TEHRI	2014-15	05040614502	GIC NAGRAJADHAR KADAKOT	SCIENCE LAB	1	37.30
					COMPUTER ROOM	1	
					ART & CRAFT ROOM	1	
					LIBRARY ROOM	1	
					TOILET BLOCK	1	
TOTAL					CLASS ROOM	15	279.58
					SCIENCE LAB	5	
					COMPUTER ROOM	5	
					ART & CRAFT ROOM	5	
					LIBRARY ROOM	5	
					TOILET BLOCK	5	
					HEAD MASTER ROOM	1	
					OFFICE ROOM	1	

Proposal for 2016-17

1. Cancellation & Fresh Proposal of Previous years sanctioned civil works

The sanctioned works of previous years from 2009-10 to 2014-15 have not started due to the steep hike in SOR and the tenders are not being received, and if received the tender cost are above the sanctioned cost. Therefore the State is not in the position to start these un-started works as per the present DSR.

The detail of sanctioned un-started works is as follows:

S.No	Sanctioned Year	Up-gradation	Strengthening
1	2009-10	01	-
2	2010-11	03	05
3	2011-11	07	-
4	2013-14	07	01
5	2014-15	-	16
Total		18	22

The sanctioned amount for these works is Rs. 1987.49 lakh. If the state will start these works at present DSR then additional cost will come-up of Rs. 3264.25 lakh. The State is going to surrender these un-started works, if the GOI will sanction these works as a fresh work with the DSR. The proposed amount these works is Rs. 5251.74 lakh. District-wise detail of these works is follows:

S.No.	District	Up-gradation			Strengthening		
		Proposed Schools	Previous Sanctioned Amount	Proposed Amount	Proposed Schools	Previous Sanctioned Amount	Proposed Amount
1	ALMORA	7	384.68	1203.64	2	101.34	238.81

S.No.	District	Up-gradation			Strengthening		
		Proposed Schools	Previous Sanctioned Amount	Proposed Amount	Proposed Schools	Previous Sanctioned Amount	Proposed Amount
2	CHAMOLI	2	129.26	333.16	4	104.42	336.94
3	CHAMPAWAT	1	46.86	166.58			
4	DEHRADUN	2	193.54	333.16	2	55.32	161.90
5	PAURI	1	69.68	166.58	10	451.76	1137.98
6	HARIDWAR	1	88.66	117.58			
7	PITHORAGARH				1	36.50	90.42
8	RUDRAPRAYAG				1	60.20	108.61
9	TEHRI	1	65.80	166.58	2	58.89	190.06
10	UTTARKSHI	3	140.58	499.74			
TOTAL		18	1119.06	2987.02	22	868.43	2264.72

2. Proposal for new civil works

The state proposed 204 schools for strengthening in 2016-17. District-wise proposal as follows:

(Rs. in lakhs)

S. No.	District	Proposed Schools	Class Room	Toilet	Library	Computer Room	Science Lab	Art & Craft	Proposed Amount
1	ALMORA	24	21	0	24	19	11	24	1977.77
2	BAGESHWAR	10	09	0	10	09	06	10	879.06
3	CHAMOLI	13	05	0	12	12	07	13	981.59
4	CHAMPAWAT	08	02	01	08	06	06	07	602.60
5	DEHRADUN	15	02	0	13	10	09	15	805.94
6	PAURI	26	14	0	26	20	23	26	2206.85
7	HARIDWAR	13	32	13	13	11	11	13	1218.46
8	NAINITAL	13	17	0	13	12	12	08	1247.55
9	PITHORAGARH	20	07	0	17	12	10	20	1328.67
10	RUDRAPRAYAG	07	14	07	07	07	03	07	825.04
11	TEHRI	19	0	0	17	17	12	19	1313.08
12	U.S. NAGAR	19	25	15	17	13	11	18	1290.80
13	UTTARKASHI	17	33	0	15	09	10	15	1624.73
TOTAL		204	181	36	192	157	131	195	16302.14

Table 10.6 List of Proposed Schools for Strengthening

(Rs. in lakhs)

Sl. No.	District	Block	School Code	School	Science Lab	Computer Room	Art Room	Library Room	Additional Class room	Toilet Block	Total Cost (Civil Work)	Furniture Cost	Lab Equipment Cost	Total Cost
1	ALMORA	BHAISIYACHHANA	05110610702	G.I.C. BARECHHINA		1	1	1	1		76.60	2.05		78.65
2	ALMORA	CHAUKHUTIYA	05110402701	G.I.C. KALRON		1	1	1	1		76.60	2.05		78.65
3	ALMORA	DWARAHAT	05110400302	G.G.H.S. PARKOT		1	1	1	1		76.60	2.05		78.65
4	ALMORA	DHAULADEVI	05110111205	G.I.C. BHETABADAULI		1	1	1	1		76.60	2.05		78.65
5	ALMORA	DHAULADEVI	05110706601	G.I.C. BAMANSWAL		1	1	1	1		76.60	2.05		78.65
6	ALMORA	HAWALBAG	05110706002	G.I.C. DEENAPANI	1	1	1	1	1		95.69	3.55	1.00	100.24
7	ALMORA	LAMGARAH	05110611202	G.I.C. PEEPALI		1	1	1	1		76.60	2.05		78.65
8	ALMORA	LAMGARAH	0511070804	G.I.C. GANGANAGAR		1	1	1	2		94.39	3.05		97.44
9	ALMORA	SALT	05110502101	G.G.H.S. BANGIDHAR	1	1	1	1			77.90	2.55	1.00	81.45
10	ALMORA	SALT	05110402605	G.I.C. MACHHOR	1		1	1			60.11	2.15	1.00	63.26
11	ALMORA	SALT	05110105702	G.I.C. KHUMAR	1		1	1			60.11	2.15	1.00	63.26
12	ALMORA	SALT	05110101202	G.I.C. BHAUNKHAL	1		1	1			60.11	2.15	1.00	63.26
13	ALMORA	SYALDEY	05061111001	G.G.I.C. SYALDEY	1		1	1	1		77.90	3.15	1.00	82.05
14	ALMORA	TAKULA	05061107002	G.I.C. MANSARI NALACHAURA		1	1	1	1		76.60	2.05		78.65
15	ALMORA	TARIKHET	05061510102	G.I.C. TARIKHET		1	1	1			58.81	1.05		59.86
16	ALMORA	LAMGARAH	05061508301	G.I.C. SATYUN	1	1	1	1			77.90	2.55	1.00	81.45
17	ALMORA	CHAUKHUTIYA	05060604802	G.G.I.C. CHAUKHUTIYA		1	1	1	1		76.60	2.05		78.65
18	ALMORA	DHAULADEVI	05061204702	G.I.C. CHAMTOLA		1	1	1	1		76.60	2.05		78.65
19	ALMORA	HAWALBAG	05061207701	G.I.C. SHITALAKHET	1		1	1	3		113.48	5.15	1.00	119.63
20	ALMORA	SALT	05061203702	G.H.S. KAANEKHALPATI	1	1	1	1	2		113.48	4.55	1.00	119.03
21	ALMORA	SYALDEY	05060202203	G.I.C. MAALIKHET		1	1	1	1		76.60	2.05		78.65
22	ALMORA	SYALDEY	05060407702	G.I.C. JAURASI	1	1	1	1			77.90	2.55	1.00	81.45
23	ALMORA	SALT	05060407502	G.I.C. TOTAM	1	1	1	1			77.90	2.55	1.00	81.45
24	ALMORA	SALT	05060400601	G.H.S. TOLYOUN		1	1	1	2		94.39	3.05		97.44
25	Bageshwar	Bageshwar	05061010302	GOVT HIGH SCHOOL MALSUNA	1	1	1	1	2		113.48	4.55	1.00	119.03
26	Bageshwar	Bageshwar	05061003402	GOVT HIGH SCHOOL GAIRAD DUG	1	1	1	1	2		113.48	4.55	1.00	119.03
27	Bageshwar	Bageshwar	05061002102	GOVT HIGH SCHOOL BHETA	1	1	1	1	2		113.48	4.55	1.00	119.03
28	Bageshwar	Bageshwar	05060306102	G.I.C. MANDALSERA		1	1	1			58.81	1.05		59.86
29	Bageshwar	Bageshwar	05060309902	G I C BAJIROT	1	1	1	1	2		113.48	4.55	1.00	119.03
30	Bageshwar	Bageshwar	05060102902	G I C DEVALDHAR		1	1	1			58.81	1.05		59.86
31	Bageshwar	Bageshwar	05060100402	G I C BOHALA	1	1	1	1			77.90	2.55	1.00	81.45
32	Bageshwar	Kapkote	05060104302	G.I.C. Karmi		1	1	1			58.81	1.05		59.86
33	Bageshwar	Kapkote	05061411501	G.I.C. Namtichetabagar	1		1	1			60.11	2.15	1.00	63.26
34	Bageshwar	Kapkote	05061402402	GOVT.HIGH SCHOOL BAISANI		1	1	1	1		76.60	2.05		78.65
35	CHAMOLI	DEWAL	05061300801	GHS JAINBISHT	1	1	1	1	1		95.69	3.55	1.00	100.24
36	CHAMOLI	GAIRSAIN	05061307002	GIC AADIBADRI	1	1	1	1			77.90	2.55	1.00	81.45
37	CHAMOLI	GAIRSAIN	05060104102	GIC MALSHI		1	1				35.58	0.80		36.38
38	CHAMOLI	NARAYANBAGAR	05060106702	GHS NILADI	1	1	1	1	1		95.69	3.55	1.00	100.24
39	CHAMOLI	NARAYANBAGAR	05070105502	GHS SANKOT	1	1	1	1	1		95.69	3.55	1.00	100.24

Sl. No.	District	Block	School Code	School	Science Lab	Computer Room	Art Room	Library Room	Additional Class room	Toilet Block	Total Cost (Civil Work)	Furniture Cost	Lab Equipment Cost	Total Cost
40	CHAMOLI	THARALI	05070103002	GIC KURAD		1	1	1			58.81	1.05		59.86
41	CHAMOLI	JOSHIMATH	05070713901	GHS HELANG	1	1	1	1			77.90	2.55	1.00	81.45
42	CHAMOLI	NARAYANBAGAR	05070509702	GHS KANDWAL GANW		1	1	1			58.81	1.05		59.86
43	CHAMOLI	THARALI	05070504102	GGIC THARALI			1	1			41.02	0.65		41.67
44	CHAMOLI	GHAT	05070506602	GHS SARPANI		1	1	1	2		94.39	3.05		97.44
45	CHAMOLI	THARALI	05070802706	GHS KUNIPARTHA		1	1	1			58.81	1.05		59.86
46	CHAMOLI	POKHARI	05070810302	GHS BIRSHAN	1	1	1	1			77.90	2.55	1.00	81.45
47	CHAMOLI	POKHARI	05070840502	GHS BEENA	1	1	1	1			77.90	2.55	1.00	81.45
48	CHAMPAWAT	BARAKOT	05070813402	GHS BAANS	1	1	1	1	1	1	106.86	3.55		110.41
49	CHAMPAWAT	BARAKOT	05070816304	GHS LUWAKOT		1	1	1			58.81	1.05	1.00	60.86
50	CHAMPAWAT	LOHAGHAT	05070302404	GIC MADLAK	1		1	1			60.11	2.15	1.00	63.26
51	CHAMPAWAT	LOHAGHAT	05070327702	GIC SUI	1	1		1			60.11	2.15	1.00	63.26
52	CHAMPAWAT	CHAMPAWAT	05070204202	GIC SUKHIDHANG	1		1	1			60.11	2.15		62.26
53	CHAMPAWAT	CHAMPAWAT	05070202301	GHS NEED	1	1	1	1	1		95.69	3.55	1.00	100.24
54	CHAMPAWAT	CHAMPAWAT	05070203803	GIC DIYURI	1	1	1	1			77.90	2.55	1.00	81.45
55	CHAMPAWAT	PATI	05070610602	GIC BINWAL GAON		1	1	1			58.81	1.05	1.00	60.86
56	DEHRADUN	CHAKRATA	05070600402	GOVT HIGH SCHOOL GABELA	1	1	1	1			77.90	2.55	1.00	81.45
57	DEHRADUN	CHAKRATA	05070602802	GOVT INTER COLLEGE QWANSI		1	1		1		53.37	1.80		55.17
58	DEHRADUN	CHAKRATA	05070613002	GOVT INTER COLLEGE MAHRAWNA	1	1	1	1			77.90	2.55	1.00	81.45
59	DEHRADUN	CHAKRATA	05030125904	GOVT HIGH SCHOOL GWASAPUL		1	1	1			58.81	1.05		59.86
60	DEHRADUN	KALSI	05030110003	GOVT INTER COLLAGE BESOGILANI	1	1	1	1			77.90	2.55	1.00	81.45
61	DEHRADUN	VIKASNAGAR	05030102401	GOVT. INTER COLLEGE DAKPATTHAR	1	1	1	1			54.64	2.55	1.00	58.19
62	DEHRADUN	VIKASNAGAR	05030206402	GOVT HIGH SCHOOL BHIMAWALA	1		1	1			42.37	2.15	1.00	45.52
63	DEHRADUN	VIKASNAGAR	05030211002	GOVT HIGH SCHOOL PASHCHIMIWALA	1	1	1	1			54.64	2.55	1.00	58.19
64	DEHRADUN	VIKASNAGAR	05030304102	GOVT INTER COLLEGE KATAPATTHAR			1	1			27.40	0.65		28.05
65	DEHRADUN	VIKASNAGAR	05030302202	GOVT HIGH SCHOOL RUDRAPUR		1	1	1			39.67	1.05		40.72
66	DEHRADUN	SAHASPUR	05040104006	GOVT. HIGH SCHOOL DUNGA	1	1	1	1			54.64	2.55	1.00	58.19
67	DEHRADUN	DOIWALA	05040118903	GOVT. INTER COLLEGE DUDHLI			1	1			27.40	0.65		28.05
68	DEHRADUN	DOIWALA	05040201802	GOVT. INTER COLLEGE BARONWALA JOLLY	1		1	1			42.37	2.15	1.00	45.52
69	DEHRADUN	DOIWALA	05040320801	GOVT INTER COLLEGE IDPL VEERBHADRA	1	1	1				39.51	2.30	1.00	42.81
70	DEHRADUN	DOIWALA	05040312502	GOVT. REETA INTER COLLEGE GARHI SHYAMPUR			1	1	1		39.67	1.65		41.32

Sl. No.	District	Block	School Code	School	Science Lab	Computer Room	Art Room	Library Room	Additional Class room	Toilet Block	Total Cost (Civil Work)	Furniture Cost	Lab Equipment Cost	Total Cost
71	HARIDWAR	BAHADRABAD	05040327501	G.G.I.C. JWALAPUR			1	1	4	1	83.99	4.65		88.64
72	HARIDWAR	BAHADRABAD	05040400202	G.G.I.C. SANGHIPUR	1	1	1	1	2	1	86.69	4.55	1.00	92.24
73	HARIDWAR	BHAGWANPUR	05040525402	G.G.I.C. BUGGAWALA	1	1	1	1	4	1	111.23	6.55	1.00	118.78
74	HARIDWAR	BHAGWANPUR	05040516502	G.H.S. MOHITPUR	1	1	1	1	2	1	86.69	4.55	1.00	92.24
75	HARIDWAR	NARASAN	05040520002	G.H.S. AKBERPUR DHADEKI	1	1	1	1	2	1	86.69	4.55	1.00	92.24
76	HARIDWAR	NARASAN	05040604704	G.H.S. LAKHNAUTA	1	1	1	1	2	1	86.69	4.55	1.00	92.24
77	HARIDWAR	NARASAN	05040713903	G.H.S. BASWAKHERHI	1	1	1	1	2	1	86.69	4.55	1.00	92.24
78	HARIDWAR	NARASAN	05040704803	G.H.S. TANDA BHANHERHA	1	1	1	1	2	1	86.69	4.55	1.00	92.24
79	HARIDWAR	ROORKEE	05040713804	G.H.S DELNA	1	1	1	1	2	1	86.69	4.55	1.00	92.24
80	HARIDWAR	ROORKEE	05040709504	GOVT GIRLS INTER COLLEGE ROORKEE	1	1	1	1	2	1	86.69	4.55	1.00	92.24
81	HARIDWAR	BAHADRABAD	05040811304	G I C BHEL	1		1	1	4	1	98.96	6.15	1.00	106.11
82	HARIDWAR	BHAGWANPUR	05040310002	G H S KUNJA BAHADURPUR	1	1	1	1	2	1	86.69	4.55	1.00	92.24
83	HARIDWAR	LAKSAR	05040322102	G H S AITHAL BUJURG		1	1	1	2	1	71.72	3.05		74.77
84	Nainital	Okhalkanda	05040510002	GIC Putgaon	1			1	2		77.90	3.75	1.00	82.65
85	Nainital	Okhalkanda	05120705102	GHS Bhadrakote	1	1		1	2		95.69	4.15	1.00	100.84
86	Nainital	Haldwani	05120700302	Ghs indrapur	1	1	1	1	2		113.48	4.55	1.00	119.03
87	Nainital	Haldwani	05120105804	Ghs kishanpur	1	1	1	1	2		113.48	4.55	1.00	119.03
88	Nainital	Ramnagar	05120107511	GIC Ramnagar	1	1	1	1	2		113.48	4.55	1.00	119.03
89	Nainital	Dhari	05120100205	GIC KASIYALEKH	1	1	1	1	1		95.69	3.55	1.00	100.24
90	Nainital	Dhari	05120305803	GIC chourlekh	1	1	1	1			77.90	2.55	1.00	81.45
91	Nainital	Okhalkanda	05120307302	GIC Pashya	1	1		1			60.11	2.15	1.00	63.26
92	Nainital	Dhari	05120307302	GIC Paharpani	1	1		1	2		95.69	4.15	1.00	100.84
93	Nainital	Kotabagh	05120304803	GIC Donparewa		1	1	1			58.81	1.05		59.86
94	Nainital	Haldwani	05120200902	GHS Jawaharjyoti	1	1		1			60.11	2.15	1.00	63.26
95	Nainital	Ramnagar	05120201815	GHS Shivpurbailjuri	1	1	1	1	2		113.48	4.55	1.00	119.03
96	Nainital	Ramnagar	05120206501	GHS patkot	1	1	1	1	2		113.48	4.55	1.00	119.03
97	Garhwal	Bironkhal	05120202402	Govt.High School Bhamraikhal		1	1	1	2		94.39	3.05		97.44
98	Garhwal	Bironkhal	05120207502	Govt.Inter College Saindhar	1		1	1			60.11	2.15	1.00	63.26
99	Garhwal	Dwarikhal	05120201749	Govt.Inter College Amola	1	1	1	1	2		113.48	4.55	1.00	119.03
100	Garhwal	Dwarikhal	05120206202	Govt.Inter College Dwarikhal	1		1	1			60.11	2.15	1.00	63.26
101	Garhwal	Ekeswar	05120201103	Govt.Inter College Reethakhal	1		1	1			60.11	2.15	1.00	63.26
102	Garhwal	Jaiharikhal	05120607605	Govt.High School Barswar	1	1	1	1	1		95.69	3.55	1.00	100.24
103	Garhwal	Jaiharikhal	05120601403	Govt.Inter College Sauli	1	1	1	1			77.90	2.55	1.00	81.45
104	Garhwal	Jaiharikhal	05010105608	Govt.Inter College Sidhpur	1	1	1	1			77.90	2.55	1.00	81.45
105	Garhwal	Khirshu	05010200702	Govt.Inter College Dewalgarh	1		1	1			60.11	2.15	1.00	63.26

Sl. No.	District	Block	School Code	School	Science Lab	Computer Room	Art Room	Library Room	Additional Class room	Toilet Block	Total Cost (Civil Work)	Furniture Cost	Lab Equipment Cost	Total Cost
106	Garhwal	Kot	05010302007	Govt.Inter College Nahsain	1	1	1	1			77.90	2.55	1.00	81.45
107	Garhwal	Kot	05010313001	Govt.Inter College Devprayag	1	1	1	1			77.90	2.55	1.00	81.45
108	Garhwal	Kot	05010309807	Govt.Inter College Kot	1	1	1	1			77.90	2.55	1.00	81.45
109	Garhwal	Rikhanikhal	05010308314	Govt.Inter College Badkhet	1	1	1	1			77.90	2.55	1.00	81.45
110	Garhwal	Rikhanikhal	05010310704	Govt.Inter College Kartiya	1	1	1	1			77.90	2.55	1.00	81.45
111	Garhwal	Rikhanikhal	05010405504	Govt.Inter College Sidhkhal	1	1	1	1	1		95.69	3.55	1.00	100.24
112	Garhwal	Pabau	05010401603	Govt.High School Nisni	1	1	1	1			77.90	2.55	1.00	81.45
113	Garhwal	Pabau	05010410601	Govt.Inter College Seeku	1	1	1	1	2		113.48	4.55	1.00	119.03
114	Garhwal	Pauri	05010407504	Govt.Inter College Ujyari		1	1	1	1		76.60	2.05		78.65
115	Garhwal	Pauri	05010512104	Govt.Inter College Kewarsh	1	1	1	1			77.90	2.55	1.00	81.45
116	Garhwal	Pauri	05010517703	Govt.Inter College Kandara	1	1	1	1			77.90	2.55	1.00	81.45
117	Garhwal	Thalisain	05010518410	Govt.Inter College Kathurkhal		1	1	1			58.81	1.05		59.86
118	Garhwal	Thalisain	05010508004	Govt.Inter College Uffrankhal	1		1	1			60.11	2.15	1.00	63.26
119	Garhwal	Nainidanda	05010504604	Govt.Inter College Khalyunkhet	1		1	1			60.11	2.15	1.00	63.26
120	Garhwal	Nainidanda	05010506505	Govt.Inter College Dhumakot	1	1	1	1	2		113.48	4.55	1.00	119.03
121	Garhwal	Pauri	5060104102	Govt.Inter College Kaleshwar	1	1	1	1	2		113.48	4.55	1.00	119.03
122	Garhwal	Pauri	5060106702	Govt.High School Ufalda	1	1	1	1	1		95.69	3.55	1.00	100.24
123	Pithoragarh	BIN	5070105502	GIC GURNA			1	1			41.02	0.65		41.67
124	Pithoragarh	BIN	5070103002	S.K.S. G.I.C. BAANS		1	1	1			58.81	1.05		59.86
125	Pithoragarh	BERINAG	5070713901	GIC CHHARAULI	1	1	1				54.67	2.30	1.00	57.97
126	Pithoragarh	DHARCHULA	5070509702	GIC JUMMA	1	1	1	1	1		95.69	3.55	1.00	100.24
127	Pithoragarh	DHARCHULA	5070504102	G.H.S.PANGALA	1	1	1				54.67	2.30	1.00	57.97
128	Pithoragarh	DHARCHULA	5070506602	GIC BARAM		1	1	1	2		94.39	3.05		97.44
129	Pithoragarh	GANGOLIHAT	5070802706	GHS POKHARI	1		1	1			60.11	2.15	1.00	63.26
130	Pithoragarh	GANGOLIHAT	5070810302	GHS BUNGALI			1	1	2		76.60	2.65		79.25
131	Pithoragarh	GANGOLIHAT	5070840502	GIC SIN LEKH			1	1			41.02	0.65		41.67
132	Pithoragarh	GANGOLIHAT	5070813402	G.H.S. GWAL		1	1	1			58.81	1.05		59.86
133	Pithoragarh	GANGOLIHAT	5070816304	GIC DUBOULA		1	1	1	1		76.60	2.05		78.65
134	Pithoragarh	KANALICHHEENA	5070302404	G.G.H S DEVAL THAL	1	1	1	1	1		95.69	3.55	1.00	100.24
135	Pithoragarh	KANALICHHEENA	5070327702	G.I.C. CHARANDEV			1	1			41.02	0.65		41.67
136	Pithoragarh	MOONAKOT	5070204202	G H SCHOOL CHOUKHAL	1	1	1	1			77.90	2.55	1.00	81.45
137	Pithoragarh	MOONAKOT	5070202301	G.H SCHOOL BHATERI		1	1	1			58.81	1.05		59.86
138	Pithoragarh	MOONAKOT	5070203803	GIC DOBANS	1		1				36.88	1.90	1.00	39.78

Sl. No.	District	Block	School Code	School	Science Lab	Computer Room	Art Room	Library Room	Additional Class room	Toilet Block	Total Cost (Civil Work)	Furniture Cost	Lab Equipment Cost	Total Cost
139	Pithoragarh	MUNSYARI	5070610602	G.G.I.C BANSBAGAR	1	1	1	1			77.90	2.55	1.00	81.45
140	Pithoragarh	MUNSYARI	5070600402	G.I.C. BIRTHI			1	1			41.02	0.65		41.67
141	Pithoragarh	MUNSYARI	5070602802	G.I.C. TEJAM	1	1	1	1			77.90	2.55	1.00	81.45
142	Pithoragarh	MUNSYARI	5070613002	G.I.C. KOTA PANDRAPALA	1		1	1			60.11	2.15	1.00	63.26
143	Rudraprayag	Agustyamuni	5030125904	GIC Maikoti		1	1	1	2	1	105.56	3.05		108.61
144	Rudraprayag	Agustyamuni	5030110003	GIC Chopra		1	1	1	2	1	105.56	3.05		108.61
145	Rudraprayag	Agustyamuni	5030102401	GIC Chandranagar		1	1	1	2	1	105.56	3.05		108.61
146	Rudraprayag	Jakholi	5030206402	GIC Kandai		1	1	1	2	1	105.56	3.05		108.61
147	Rudraprayag	Jakholi	5030211002	GIC Kanda Bhardar	1	1	1	1	2	1	124.65	4.55	1.00	130.20
148	Rudraprayag	Ukhimath	5030304102	GIC Makku	1	1	1	1	2	1	124.65	4.55	1.00	130.20
149	Rudraprayag	Ukhimath	5030302202	GIC Mansoona	1	1	1	1	2	1	124.65	4.55	1.00	130.20
150	TEHEI	BHILANGANA	5040104006	GHS KATHETI	1	1	1	1			77.90	2.55	1.00	81.45
151	TEHEI	BHILANGANA	5040118903	GIC AKHODI	1	1	1	1			77.90	2.55	1.00	81.45
152	TEHEI	CHAMBA	5040201802	GIC NAGDEV PATHALD		1	1	1			58.81	1.05		59.86
153	TEHEI	DEVPRAYAG	5040320801	GIC BHALLEYGAON	1	1	1	1			77.90	2.55	1.00	81.45
154	TEHEI	DEVPRAYAG	5040312502	GIC LALOODIKHAL	1	1	1	1			77.90	2.55	1.00	81.45
155	TEHEI	DEVPRAYAG	5040327501	GIC PAURIKHAL	1		1				36.88	1.90	1.00	39.78
156	TEHEI	JAKHNIDHAR	5040400202	GIC KANAILDHAR		1	1	1			58.81	1.05		59.86
157	TEHEI	JOUNPUR	5040525402	GIC BHAWAN	1	1	1	1			77.90	2.55	1.00	81.45
158	TEHEI	JOUNPUR	5040516502	GIC MATHLOU	1	1	1	1			77.90	2.55	1.00	81.45
159	TEHEI	JOUNPUR	5040520002	GIC RAGADGAON		1	1	1			58.81	1.05		59.86
160	TEHEI	KEERTINAGAR	5040604704	GIC DANGCHORA			1	1			41.02	0.65		41.67
161	TEHEI	NARENDRANAGAR	5040713903	GHS BANSKATAL	1	1	1	1			77.90	2.55	1.00	81.45
162	TEHEI	NARENDRANAGAR	5040704803	GIC KHANA(PALKOT)	1	1	1	1			77.90	2.55	1.00	81.45
163	TEHEI	NARENDRANAGAR	5040713804	GIC MATHIYALI		1	1	1			58.81	1.05		59.86
164	TEHEI	NARENDRANAGAR	5040709504	GIC NEER		1	1	1			58.81	1.05		59.86
165	TEHEI	PRATAPNAGAR	5040811304	GHS SOUNDEE	1	1	1	1			77.90	2.55	1.00	81.45
166	TEHEI	DEVPRAYAG	5040310002	GIC HINSRIYAKHAL	1	1	1	1			77.90	2.55	1.00	81.45
167	TEHEI	DEVPRAYAG	5040322102	GIC MAHADJALI (RAM SINGH CHAUHAN)		1	1				35.58	0.80		36.38
168	TEHEI	JOUNPUR	5040510002	GIC THATYUD	1	1	1	1			77.90	2.55	1.00	81.45
169	US NAGAR	BAZPUR	5120705102	GOVT HIGH SCHOOL REHENTA	1	1	1	1	2	1	86.69	4.55	1.00	92.24
170	US NAGAR	BAZPUR	5120700302	GOVT INTER COLLEGE BANNAKHERA		1	1	1	1	1	59.45	2.05		61.50
171	US NAGAR	GADARPUR	5120105804	G.H.S DHAULPUR	1	1	1	1	2	1	86.69	4.55	1.00	92.24
172	US NAGAR	GADARPUR	5120107511	G.I.C. DINESHPUR		1	1	1		1	47.18	1.05		48.23
173	US NAGAR	GADARPUR	5120100205	G.I.C.SAKANIYA			1		1	1	32.05	1.40		33.45
174	US NAGAR	JASPUR	5120305803	GOVT GIRLS HIGH SCHOOL BABARKHERA	1	1	1	1	2	1	86.69	4.55	1.00	92.24
175	US NAGAR	JASPUR	5120307302	GOVT HIGH SCHOOL KILAWALI	1	1	1	1	2	1	86.69	4.55	1.00	92.24
176	US NAGAR	JASPUR	5120307302	NEHRU GIC,MAHUWADABRA			1		1	1	32.05	1.40		33.45
177	US NAGAR	JASPUR	5120304803	GOVT G.		1	1	1			39.67	1.05		40.72

Sl. No.	District	Block	School Code	School	Science Lab	Computer Room	Art Room	Library Room	Additional Class room	Toilet Block	Total Cost (Civil Work)	Furniture Cost	Lab Equipment Cost	Total Cost
				H.S.DHRAMPUR										
178	US NAGAR	RUDRAPUR	5120200902	GIC BAGWALA	1	1	1	1	2	1	86.69	4.55	1.00	92.24
179	US NAGAR	RUDRAPUR	5120201815	G.G.H.S. NAGLA	1			1	2	1	62.15	3.75	1.00	66.90
180	US NAGAR	RUDRAPUR	5120206501	GHS KICHA			1	1	2	1	59.45	2.65		62.10
181	US NAGAR	RUDRAPUR	5120202402	GOVT INTER COLLEGE KANAKPUR	1	1	1	1	2	1	86.69	4.55	1.00	92.24
182	US NAGAR	RUDRAPUR	5120207502	GOVT. HS BAKHPUR	1	1	1	1	2	1	86.69	4.55	1.00	92.24
183	US NAGAR	RUDRAPUR	5120201749	GIC AN JHA Rudrapur			1	1	1	1	47.18	1.65		48.83
184	US NAGAR	RUDRAPUR	5120206202	G.G.H.SS. SHANTIPRI-2	1		1	1			42.37	2.15	1.00	45.52
185	US NAGAR	RUDRAPUR	5120201103	SPRSS Govt.Girls High School,Ramnagar	1	1	1	1	2	1	86.69	4.55	1.00	92.24
186	US NAGAR	SITARGANJ	5120607605	GOVT. H.S. KUNVERPUR SISAIA	1	1	1	1	1		66.91	3.55	1.00	71.46
187	US NAGAR	SITARGANJ	5120601403	Govt. H.S.S. ASTHABIHI		1	1	1			39.67	1.05		40.72
188	UTTARKASHI	BHATWARI	5010105608	GHSS UTTARAON	1	1	1	1	2		113.48	4.55	1.00	119.03
189	UTTARKASHI	CHINYALISAUR	5010200702	GIC JIBYA	1	1	1	1			77.90	2.55	1.00	81.45
190	UTTARKASHI	DUNDA	5010302007	GIC BAUN PANJIYALA	1				2		54.67	3.50	1.00	59.17
191	UTTARKASHI	DUNDA	5010313001	GIC SHRIKAL KHAL			1	1	2		76.60	2.65		79.25
192	UTTARKASHI	DUNDA	5010309807	GIC DHONTRI			1	1	1		58.81	1.65		60.46
193	UTTARKASHI	DUNDA	5010308314	GGHSS GENWLA BRAHMKHAL	1	1	1	1	2		113.48	4.55	1.00	119.03
194	UTTARKASHI	DUNDA	5010310704	GIC KAMAD	1		1	1	4		131.27	6.15	1.00	138.42
195	UTTARKASHI	MORI	5010405504	GIC NETWAD			1	1	4		112.18	4.65		116.83
196	UTTARKASHI	MORI	5010401603	GIC ARAKOT					1		17.79	1.00		18.79
197	UTTARKASHI	MORI	5010410601	GIC MORI			1	1			41.02	0.65		41.67
198	UTTARKASHI	MORI	5010407504	GIC SANKARI	1	1	1	1	2		113.48	4.55	1.00	119.03
199	UTTARKASHI	NAUGAON	5010512104	HIGH SCHOOL KAFNOL	1		1	1	2		95.69	4.15	1.00	100.84
200	UTTARKASHI	NAUGAON	5010517703	HIGH SCHOOL DHUINK	1	1	1	1	2		113.48	4.55	1.00	119.03
201	UTTARKASHI	NAUGAON	5010518410	GGIC BARKOT	1	1	1	1	1		95.69	3.55	1.00	100.24
202	UTTARKASHI	NAUGAON	5010508004	GIC KHARADI	1	1	1	1	4		149.06	6.55	1.00	156.61
203	UTTARKASHI	NAUGAON	5010504604	GIC GANGTADI		1	1	1	2		94.39	3.05		97.44
204	UTTARKASHI	NAUGAON	5010506505	HIGH SCHOOL KHARSALI		1	1	1	2		94.39	3.05		97.44
Total					131	157	195	192	181	36	15604.84	566.30	131.00	16302.14

List of School for Cancellation & Fresh Proposal of Previous years sanctioned civil works (Up-gradation)

S. No.	Sanc. Year	U-DISE as per 2015-16 Data	District	School Name	Previous Sanctioned Cost (GOI) (including Furniture & Lab. Equip.)	Total Cost (Civil Work)	Furniture Cost	Lab Equipment Cost	Total Proposed Cost
1	2009-10	5020100502	CHAMOLI	GHS JAKHOLA	46.86	160.23	3.35	1.00	164.58
2	2010-11	5090709201	ALMORA	G.H.S. DHYULIRAUTELA	46.86	160.23	3.35	1.00	164.58
3	2010-11	5090810304	ALMORA	G.H.S. JAAKH	46.86	160.23	3.35	1.00	164.58
4	2010-11	5100404302	CHAMPAWAT	GHS BHUMWARI	46.86	160.23	3.35	1.00	164.58
5	2011-12	5090105502	ALMORA	G.H.S. DHAULNELI	46.86	160.23	3.35	1.00	164.58

S. No.	Sanc. Year	U-DISE as per 2015-16 Data	District	School Name	Previous Sanctioned Cost (GOI) (including Furniture & Lab. Equip.)	Total Cost (Civil Work)	Furniture Cost	Lab Equipment Cost	Total Proposed Cost
6	2011-12	5090700703	ALMORA	G.H.S. CHAUMU	46.86	160.23	3.35	1.00	164.58
7	2011-12	5090506002	ALMORA	G.H.S. KANDANAULA	46.86	160.23	3.35	1.00	164.58
8	2011-12	5090400202	ALMORA	G.H.S. CHHATINAKHAL	58.12	195.81	3.35	1.00	200.16
9	2011-12	5010507907	UTTARKASHI	HIGH SCHOOL NAGANGAON	46.86	160.23	3.35	1.00	164.58
10	2011-12	5010408404	UTTARKASHI	HIGH SCHOOL PHITADI	46.86	160.23	3.35	1.00	164.58
11	2011-12	5010409003	UTTARKASHI	HIGH SCHOOL GANGAAD	46.86	160.23	3.35	1.00	164.58
12	2013-14	5020709402	CHAMOLI	GHS JHINJONI	82.40	160.23	3.35	1.00	164.58
13	2013-14	5061302502	GARHWAL	GOVT. HIGH SCHOOL CHILAOIN	69.68	160.23	3.35	1.00	164.58
14	2013-14	5040809704	TEHRI GARHWAL	GHS MOTNA	65.80	160.23	3.35	1.00	164.58
15	2013-14	5050207804	DEHRADUN	GOVT HIGH SCHOOL PANJIYA	96.77	160.23	3.35	1.00	164.58
16	2013-14	5050212903	DEHRADUN	GOVT HIGH SCHOOL TIMRA	96.77	160.23	3.35	1.00	164.58
17	2013-14	5130500405	HARDWAR	G.H.S. MUBARAKPUR ALIPUR	88.66	111.23	3.35	1.00	115.58
18	2013-14	5090703301	ALMORA	G.H.S. GAUNA	92.26	160.23	3.35	1.00	164.58
Total (Re-Proposal)					1119.06	2870.72	60.30	18.00	2949.02
Fresh Proposal 2016-17 (02 Up-graded School)						271.54	14.70	2.00	288.24
Grand Total						3142.26	75.00	20.00	3237.26

List of School for Cancellation & Fresh Proposal of Previous years sanctioned civil works (Strengthening)

S N	Sanc. Year	U-DISE as per 2015-16 Data	District	School Name	Previous Sanctioned Cost (GOI) (including Furniture & Lab. Equip.)	Science Lab		Computer Room		Art Room		Library Room		Additional Classroom			Toilet Block		Furniture Cost	Lab Equipment Cost	Total Cost
						No.	Unit Cost	No.	Unit Cost	No.	Unit Cost	No.	Unit Cost	No.	Unit Cost	Total	No.	Unit Cost			
1	2010-11	5020407003	CHAMOLI	GIC JAKH	24.13			1	17.79	1	17.79	1	23.23	1	17.79	17.79	1	11.17	2.05		89.82
2	2010-11	5020808801	CHAMOLI	GIC Lolti	35.39			1	17.79	1	17.79	1	23.23	3	17.79	53.37	1	11.17	4.05		127.40
3	2010-11	5061008402	GARHWAL	GOVT. HIGH SCHOOL TYOLYUNDANDA	30.23	1	19.09	1	17.79	1	17.79	1	23.23	1	17.79	17.79	1	11.17	3.55	1.00	111.41
4	2010-11	5040610706	TEHRI GARHWAL	GHS BAINJWADI	29.76			1	17.79	1	17.79	1	23.23	2	17.79	35.58	1	11.17	3.05		108.61
5	2010-11	5090206302	ALMORA	G.I.C. TAKULTI	24.13			1	17.79	1	17.79	1	23.23	1	17.79	17.79	1	11.17	2.05		89.82
6	2013-14	5040706801	TEHRI GARHWAL	GHS CHOUNPA	29.13	1	19.09	1	17.79	1	17.79	1	23.23			0.00			2.55	1.00	81.45
7	2014-15	5091008901	ALMORA	G.G.H.S. CHANAUDA	77.21	1	19.09	1	17.79	1	17.79	1	23.23	3	17.79	53.37	1	11.17	5.55	1.00	148.99
8	2014-15	5020907102	CHAMOLI	GIC LWANI	19.50			1	17.79	1	17.79	1	23.23			0.00			1.05		59.86
9	2014-15	5020904503	CHAMOLI	GIC SAWAD	25.40			1	17.79	1	17.79	1	23.23			0.00			1.05		59.86
10	2014-15	5050208902	DEHRADUN	GOVT. HIGH SCHOOL KAAMLA	28.57	1	19.09	1	17.79	1	17.79	1	23.23			0.00			2.55	1.00	81.45
11	2014-15	5050214802	DEHRADUN	GOVT. INTER COLLEGE KUNNA DAGURA	26.75	1	19.09	1	17.79	1	17.79	1	23.23			0.00			2.55		80.45
12	2014-15	5061112802	GARHWAL	GOVT. GIRLS INTER COLLEGE BIRONKHAL	36.50	1	19.09	1	17.79	1	17.79	1	23.23			0.00			2.55	1.00	81.45
13	2014-15	5061104102	GARHWAL	GOVT. INTER COLLEGE BHAGWATI TALIYA	47.23	1	19.09	1	17.79	1	17.79	1	23.23	2	17.79	35.58	1	11.17	4.55	1.00	130.20
14	2014-15	5061112503	GARHWAL	GOVT. INTER COLLEGE	47.23	1	19.09	1	17.79	1	17.79	1	23.23	2	17.79	35.58	1	11.17	4.55	1.00	130.20

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

S N	Sanc. Year	U-DISE as per 2015-16 Data	District	School Name	Previous Sanctioned Cost (GOI) (including Furniture & Lab. Equip.)	Science Lab		Computer Room		Art Room		Library Room		Additional Classroom			Toilet Block		Furnitu re Cost	Lab Equi pment Cost	Total Cost
						No.	Unit Cost	No.	Unit Cost	No.	Unit Cost	No.	Unit Cost	No.	Unit Cost	Total	No.	Unit Cost			
				VEDIKHAL																	
15	2014-15	5060601702	GARHWAL	GOVT. INTER COLLEGE SRIKOTKHAL	44.40	1	19.09	1	17.79	1	17.79	1	23.23			0.00	1	11.17	2.55	1.00	92.62
16	2014-15	5060504103	GARHWAL	GOVT. INTER COLLEGE SAAKINKHET	58.50	1	19.09	1	17.79	1	17.79	1	23.23	3	17.79	53.37			5.55	1.00	137.82
17	2014-15	5061303604	GARHWAL	GOVT. INTER COLLEGE KAMANDA	41.80			1	17.79	1	17.79	1	23.23	2	17.79	35.58	1	11.17	3.05		108.61
18	2014-15	5061411601	GARHWAL	GOVT. HIGH SCHOOL RIKSAL	44.40			1	17.79	1	17.79	1	23.23	2	17.79	35.58			3.05		97.44
19	2014-15	5061403304	GARHWAL	GOVT. INTER COLLEGE BAGWADI	62.30	1	19.09	1	17.79	1	17.79	1	23.23	3	17.79	53.37	1	11.17	5.55		147.99
20	2014-15	5060903002	GARHWAL	GOVT. HIGH SCHOOL AMOLA	39.17	1	19.09	1	17.79	1	17.79	1	23.23	1	17.79	17.79			3.55	1.00	100.24
21	2014-15	5070107602	Pithoragarh	GIC RORIPALI	36.50					1	17.79	1	23.23	2	17.79	35.58	1	11.17	2.65		90.42
22	2014-15	5030117301	Rudraprayag	GIC LADOLI	60.20			1	17.79	1	17.79	1	23.23	2	17.79	35.58	1	11.17	3.05		108.61
Total					868.43	12	229.08	21	373.59	22	391.38	22	511.06	30	266.85	533.70	13	145.21	70.70	10.00	2264.72

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 2016-17

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.

Government of Uttarakhand has decided to run 190 Government Inter College as model schools from 2015-16 onward. In all model schools infrastructure, furniture, sports equipment, vocational training & other quality related grants such as science & maths kits, laboratory facilities 7 library facilities will be provided by State Government in phased manner.

From those 190 model school schools, 151 model schools are already covered under ICT project in year 2005-06, 2007-08 of outright purchase & year 2010-11 of boot model.

39 model schools are not yet covered under any scheme. To provide computer education in such 38 model schools, budget is proposed under RMSA in different heads viz. procurement of computer, teachers training and consumables. All these 39 model schools are proposed as outright purchase model. The school-wise list of proposed model schools is as follows:

S. No.	District	Block	School Code	School Name	Electricity	Computer Room
1	ALMORA	BHAISIYACHHANA	05090100902	G.I.C. NAUGAON REETHAGADH	YES	YES
2	ALMORA	CHAUKHUTIYA	05090302103	G.G.I.C. MASI	YES	YES
3	ALMORA	LAMGARA	05090704002	G.I.C. KANRA	YES	YES
4	ALMORA	LAMGARA	05090711406	G.G.I.C. JAINTI	YES	YES
5	ALMORA	SYALDEY	05090901903	G.I.C. MAALIKHET	YES	NO
6	ALMORA	TAKULA	05091022102	G.I.C. GANANATH	YES	NO
7	BAGESHWAR	KAPKOT	05080204201	GOVT.INTER COLLEGE KARMI	No	No
8	CHAMOLI	DASHOLI	05020209202	GIC GADORA	YES	YES
9	CHAMOLI	GHAT	05020302303	GIC BAIRASKUND	YES	YES
10	CHAMOLI	GAIRSAIN	05020607303	GIC MAEHALCHOURI	YES	YES
11	CHAMOLI	GAIRSAIN	05020617801	GIC AADIBADRI	YES	YES
12	CHAMPAWAT	LOHAGHAT	05100209001	GIC PULHINDOLA	YES	YES
13	DEHRADUN	RAIPUR	05050520801	GOVT INTER COLLEGE KISHANPUR	YES	YES
14	DEHRADUN	DOIWALA	05050619903	GOVT. INTER COLLEGE IDPL VEERBHADRA	YES	YES
15	HARIDWAR	KHAN PUR	05130403001	G.I.C. PODOWALI	YES	YES
16	NAINITAL	DHARI	05110705401	GIC SUNDERKHAL	YES	YES
17	NAINITAL	OKHALKANDA	05110603002	GIC NAI	YES	YES
18	NAINITAL	BHIMTAL	05110300246	GGIC NAINITAL	YES	YES
19	NAINITAL	BHIMTAL	05110311602	GIC PATUADANGAR	YES	YES
20	PAURI	PAURI	05060104102	GOVT. INTER COLLEGE KALESHWAR	YES	No
21	PAURI	PABAU	05060304902	GOVT. INTER COLLEGE SAKANKARSAIN	YES	No
22	PAURI	KALJIKHAL	05060501403	GOVT. INTER COLLEGE KANSKHET	YES	YES
23	PAURI	POKHRA	05060702005	GOVT. INTER COLLEGE DAMDEVAL	YES	YES

S. No.	District	Block	School Code	School Name	Electricity	Computer Room
24	PAURI	NAINIDANDA	05061304602	GOVT. INTER COLLEGE PATOTIYA	YES	No
25	PAURI	DWARIKAHL	05061511201	GOVT. INTER COLLEGE KIRTIKHAL	YES	YES
26	PITHORAGARH	BIN	05070104504	GIC PITTORAGARH	YES	YES
27	PITHORAGARH	MOONAKOT	05070207402	GIC AATH GAON SHILING	YES	YES
28	PITHORAGARH	BERINAG	05070705402	GGIC BERINAG	YES	YES
29	PITHORAGARH	GANGOLIHAT	05070804904	GIC BANKOT	YES	YES
30	PITHORAGARH	GANGOLIHAT	05070824202	GIC TAMANAULI	YES	YES
31	RUDRAPRYAG	JAKHOLI	05030209401	GIC SIDHSAUR	YES	YES
32	RUDRAPRYAG	JAKHOLI	05030203402	GHS PAUNTHI	YES	YES
33	TEHRI	BHILANGANA	05040118903	GIC AKHORI	YES	NO
34	TEHRI	JAKHNIDHAR	05040414802	GIC RAJAKHET	YES	YES
35	TEHRI	NARENDRANAGAR	05040701003	GIC JAJAL	YES	YES
36	TEHRI	PRATAPNAGAR	05040802803	GIC PRATAP NAGAR	YES	YES
37	U.S.NAGAR	GADARPUR	05120107510	G.G.I.C. DINESHPUR	YES	YES
38	U.S.NAGAR	KHATIMA	05120404118	G.G.I.C. KAHTIMA	YES	No

Budgetary Proposal of ICT for the year 2016-17

(Rs. in lakhs)

Head		Unit Cost	Phy.	Fin.
Non - Recurring				
A	Outright Purchase Basis/State Model			
a.1	Computers (Including server with terminals)	5.10000	38	193.80
a.2	Educational Software & CD ROMs/e-Content	0.45000	38	17.10
a.3	Furniture	0.25000	38	9.50
a.4	Operating System & Application Software	0.20000	38	7.60
	Total			228.00
B	Boot Model			
b.1	Computers (Including server with terminals)	0.00000	0	0.00
	Total			0.00
C	Other Non-recurring			
c.1	Induction Training (one time)	0.04000	538	21.52
	Total			21.52
Total (Non - Recurring)				249.52
Recurring				
A	Salary of Computer Teacher			
a.1	Outright Purchase (Recurring)	1.20000	38	45.60
	Total			45.60
B	Other Recurring Components			
b.1	Computer, Stationery (Printer, Cartridges, CD-ROMs, DVD, paper etc.)	0.80000	538	430.40
b.2	Electricity Charges	0.12000	538	64.56
b.3	Expenses on Diesel/Kerosene for Generator	0.12000	538	64.56
b.4	Internet / Broad band Charges	0.10000	538	53.80
b.5	Telephone Charges	0.06000	538	32.28
	Total			645.60
Total (Recurring)				691.20
Total ICT (Non - Recurring + Recurring)				940.72



भारत सरकार
केन्द्रीय लोक निर्माण विभाग
कार्यालय मुख्य अभियन्ता (उ.अ.-IV)
20, सुभाष मार्ग, देहरादून

पत्रांक:- 22(1)cost index/मु.अभि.(उ.अ.- IV) / 1443

दिनांक :- 27 अगस्त 2015

कार्यालय ज्ञापन

विषय:- उत्तरी अंचल-IV के अर्न्तगत विभिन्न स्थानों के मूल्य सूचकांक।

दिल्ली कुर्सी क्षेत्र दर 2012 (आधार : 100) के सापेक्ष निम्नलिखित स्थानों के मूल्य सूचकांक मुख्य अभियन्ता द्वारा सहर्ष अनुमोदित कर दिये गये हैं। विभिन्न स्थानों के नाम, इन स्थानों के मूल्य सूचकांक तथा मूल्य सूचकांक लागू होने की तिथि निम्नानुसार है। ये मूल्य सूचकांक दिल्ली कुर्सी क्षेत्र दर, 2012 के अनुसार दिनांक 01.10.2012 पर 100 आधार मानकर निकाला गया है:-

क.सं.	स्थान का नाम	सूचकांक प्रस्तावित (DPAR-2012) को 100 आधार मानकर)	मूल्य सूचकांक लागू होने की तारीख
1.	हल्द्वानी/हल्द्वीचौड़/काठगोदाम	110	01 अप्रैल 2015
2.	रुद्रपुर	111	01 अप्रैल 2015
3.	काशीपुर	113	01 अप्रैल 2015
4.	निगलट/भौवाली	117	01 अप्रैल 2015
5.	भीमताल	115	01 अप्रैल 2015
6.	नैनीताल/खुर्पाताल	119	01 अप्रैल 2015
7.	मुक्तेश्वर	126	01 अप्रैल 2015
8.	अल्मोड़ा/रानीखेत/कोसी/कटारमल	126	01 अप्रैल 2015
9.	कौसानी/बागेश्वर	131	01 अप्रैल 2015
10.	खटीमा/टनकपुर/बनबसा	110	01 अप्रैल 2015
11.	सुन्दर नगर/नारायन नगर/ धनुशपुल/गारीगोठ	110	01 अप्रैल 2015
12.	चम्पावत/लोहाघाट	121	01 अप्रैल 2015
13.	मुनस्यारी	139	01 अप्रैल 2015
14.	गौठी/धारचुला	133	01 अप्रैल 2015
15.	मिर्ठी/डीडीहाट/जौलजीबी	135	01 अप्रैल 2015
16.	पिधौरागढ़	127	01 अप्रैल 2015
18.	गुंजी	419	01 अप्रैल 2015
19.	पीपलकोटी/गोपेश्वर/चमोली	143	01 अप्रैल 2015

20	औली	160	01 अप्रैल 2015
21	श्रीनगर (गढ़वाल)	135	01 अप्रैल 2015
22	माही-का-डांडा/तेखला	146	01 अप्रैल 2015
23	ग्वालदम (गढ़वाल)/बीनातौली	155	01 अप्रैल 2015
24	बद्रीनाथ/माना	169	01 अप्रैल 2015
25	जोशीमठ/सुनील	156	01 अप्रैल 2015
26	गौघर	140	01 अप्रैल 2015
27	पौड़ी (गढ़वाल)	139	01 अप्रैल 2015
28	चिन्वालीसौड़	137	01 अप्रैल 2015
29	मातली/उत्तरकाशी	148	01 अप्रैल 2015
30	न्यू टिहरी	140	01 अप्रैल 2015
31	पुरोला	146	01 अप्रैल 2015
32	राजगढ़ी	147	01 अप्रैल 2015
33	देहरादून	107	01 अप्रैल 2015
34	मसूरी	122	01 अप्रैल 2015
35	चकराता	125	01 अप्रैल 2015
36	सहारनपुर/सरसावा/रूड़की/ हरिद्वार/ऋषिकेश	102	01 अप्रैल 2015

टिप्पणी:- उपयुक्त सारणी में उल्लिखित सभी स्थान उत्तराखण्ड में हैं।

(इ० ऊ० सिंह चाहर)
कार्यपालक अभियन्ता (यो.- I)
उत्तरी अंचल -4
के.लो.नि.वि. देहरादून

सेवा में,

1. अधीक्षण अभियन्ता (यो०), उ०अ०-IV, के०लो०नि०वि०, देहरादून।
2. अधीक्षण अभियन्ता, देहरादून केन्द्रीय परिमण्डल, के०लो०नि०वि०, देहरादून।
3. अधीक्षण अभियन्ता (वैद्युत), देहरादून केन्द्रीय वैद्युत परिमण्डल, के०लो०नि०वि० देहरादून।
4. अधीक्षण अभियन्ता (एस. एण्ड एस.), कार्या० मुख्य अभियन्ता (सी०एस०क्यू०) निर्माण महानिदेशालय, के०लो०नि०वि०, नई दिल्ली।
5. अधीक्षण अभियन्ता, हल्द्वानी केन्द्रीय परिमण्डल, शान्ता टावर, नैनीताल बरेली रोड, के. लो.नि.वि., हल्द्वानी, उत्तराखण्ड।
6. कार्यपालक अभियन्ता (यो. I/ II), उ०अ०-IV, के०लो०नि०वि०, देहरादून
7. कार्यपालक अभियन्ता, गढ़वाल केन्द्रीय मण्डल, के०लो०नि०वि०, श्रीनगर गढ़वाल।
8. कार्यपालक अभियन्ता, देहरादून केन्द्रीय मण्डल-I, के०लो०नि०वि०, देहरादून।
9. कार्यपालक अभियन्ता, देहरादून केन्द्रीय मण्डल-II, के०लो०नि०वि०, देहरादून।

11. कार्यपालक अभियन्ता, म०प्र०म०, के०लो०नि०वि०, मसूरी।
12. कार्यपालक अभियन्ता, अ०के०म०, के०लो०नि०वि०, अल्मोड़ा।
13. कार्यपालक अभियन्ता, हल्द्वानी परियोजना मण्डल, शान्ता टावर, नैनीताल बरेली रोड, के.लो.नि.वि., हल्द्वानी, उत्तराखण्ड।
14. कार्यपालक अभियन्ता (वैद्युत), देहरादून केन्द्रीय वैद्युत मण्डल, के०लो०नि०वि०, देहरादून।
15. गार्ड फाइल।


कार्यपालक अभियन्ता (यो.- 1)

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 Parnchayat Member/Ward Member	Member
9	One representative of SC/ST Category	Member
10	One representative of Educationally backward cadre	Member
11	One Member of Mahila Dal	Member
12	One Member of Education Development Committee of every village resaved by school	Member
13	Three members with science, art and cultural background Nominated by DPO/DEO	Member
14	One Education Office Nominated by DEO	Member
15	One representative of Finance and Accounts	Member

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

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

These committee is constituted as follows:

1. School Construction & Monitoring Committee

The Committee takes stock of the School Planning, estimates, management inspections, monitoring, reporting, maintenance of accounts, and presentation of accounts in the meetings of SMDC and village education committee. The committee is be as follows-

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

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

2. Educational Committee

The committee is responsible for all educational activities, planning, management, monitoring, supervision, SEMIS, quality education, equity, children with special needs, student-

teacher attendance, teacher training, guidance & 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 Astt. 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.

Action Plan

- SMDC meeting along with Academy Committee and Construction Committee will be organized every month to ensure the participation of parents and community members.
- Sharing of pre and post LLA result and competencies of students with parents and guardian.
- Participation of parent and community members in National Festivals at school level.
- Celebration of foundation day and annual function day of the school.
- To enhance the enrolment in the schools Enrolment Drive with the help of parents and community members.
- The principal and teachers along with the students of the school will organized the school related activities in the vicinity (Village /ward) of the school once in every three months.

Proposal for 2016-17

The community members will be sensitize 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 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 2016.

Table 11.1 Proposal for SMDC Training 2016-17

S.No.	Districts	No. of Schools	Physical (No. of SMDC Members)	Unit cost (in lakh)	Total Amount (in lakh)
1	Almora	2	40	0.006	0.24
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	48	960	0.006	5.76
6	Haridwar	3	60	0.006	0.36
7	Nainital	1	20	0.006	0.12

S.No.	Districts	No. of Schools	Physical (No. of SMDC Members)	Unit cost (in lakh)	Total Amount (in lakh)
8	Pauri	8	160	0.006	0.96
9	Pithoragarh	3	60	0.006	0.36
10	Rudraprayag	12	240	0.006	1.44
11	Tehri	67	1340	0.006	8.04
12	U.S. Nagar	3	60	0.006	0.36
13	Uttarkashi	60	1200	0.006	7.20
Total		214	4280		25.68

Financial Requirement

An amount of Rs. 25.68 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 Within 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 Scheme-wise Budgetary Proposal for 2016-17

Rs. In lakhs

S. No.	Scheme	Fresh Proposal for 2016-17					Total Spill Over	Grand Total (Fresh + Spill over)
		NR	% NR	R	% R	Total		
1	RMSA	21802.90	46.03%	25560.32	53.97%	47363.22	9723.50	57086.72
2	ICT	249.52	26.52%	691.20	73.48%	940.72	3200.00	4140.72
3	IEDSS	35.00	20.66%	134.42	79.34%	169.42	22.65	192.07
4	VE	1650.00	40.09%	2465.93	59.91%	4115.93	581.00	4696.93
5	GH	81.25	14.80%	467.81	85.20%	549.06	293.31	842.37
State Component		0.00	0.00%	2656.92	100.00%	2656.92	0.00	2656.92
Uttarakhand		23818.67	42.69%	31976.60	57.31%	55795.27	13820.46	69615.73

NR: Non-Recurring

R: Recurring

12.2 Activity-wise Budgetary Proposal for 2016-17

Rs. In lakhs

Master Head		Fresh Proposal 2016-17		% of Total Plan
		Phy	Fin	
RMSA				
A	New Schools / Upgraded Schools	20	3237.3	5.80%
B	Strengthening of Existing Schools (204 Schools)	226	18565.60	33.27%
Total (Non- Recurring)			21802.90	39.08%
A	Annual Grant	2244	1122	2.01%
B	Minor Repair	1810	452.5	0.81%
C	Staff For New Schools		96.00	0.17%
D	Staff for Previous Year Schools		17785.20	31.88%
E	Communiy Moblization	4280	25.68	0.05%

Master Head		Fresh Proposal 2016-17		% of Total Plan
		Phy	Fin	
F	Training		288.36	0.52%
G	Quality Components		696.00	1.25%
H	Equity Components		928.97	1.66%
I	Project on Science & Maths		1013.44	1.82%
J	Rashtriya Aavishkar Abhiyan (RAA)		395.42	0.71%
K	Project- Art / Culture & Sports		223.04	0.40%
L	Project- IT/e-governance (Shala Darpan)	190	567.7561	1.02%
N	Project- Enhancement of Learning Achievement in Education (LLA)		227.27	0.41%
O	Project on English (Unnati)		1738.70	3.12%
P	MMER		2656.92	4.76%
Total (Recurring)			28217.24	50.57%
Total RMSA (Non - Recurring + Recurring)			50020.14	89.65%
ICT				
Non - Recurring		38	249.52	0.45%
Recurring			691.20	1.24%
Total ICT (Non - Recurring + Recurring)			940.72	1.69%
IEDSS				
Non - Recurring			35.00	0.06%
Recurring			134.42	0.24%
Total IEDSS (Non - Recurring + Recurring)			169.42	0.30%
VE				
Non - Recurring		165	1650.00	2.96%
Recurring			2465.93	4.42%
Total VE (Non - Recurring + Recurring)			4115.93	7.38%
GH				
Non - Recurring		19	81.25	0.15%
Recurring			467.81	0.84%
Total GH (Non - Recurring + Recurring)			549.06	0.98%
Total Integrated RMSA (Non - Recurring)			23818.67	42.69%
Total Integrated RMSA (Recurring)			31976.60	57.31%
Total Integrated RMSA (Non - Recurring + Recurring)			55795.27	100.00%

Activity-wise detail Annual Work Plan and Budget 2016-17 is enclosed.

Financial Progress 2015-16

S. No.	Compo nent		Fresh Approved AWP&B	Spillover of the last Year	Total AWP&B	Share		OB (with state addl.)	Intt.	Received Grant				Total Available Grant	Exp.	% of Exp.	Balance
						GOI	State			GOI	State	State Addl.	Total				
1	RMSA	NR	978.80	8760.95	9739.75	880.92	97.88	7662.43	0.00	12.19	4.06	1094.02	1110.27	8772.70	6560.79	74.79%	2211.91
		R	6612.62	0.00	6612.62	5951.36	661.26	-421.84	302.17	4099.22	937.50	4675.60	9712.32	9592.65	9571.55	99.78%	21.10
RMSA-Total			7591.42	8760.95	16352.37	6832.28	759.14	7240.59	302.17	4111.41	941.56	5769.62	10822.59	18365.35	16132.34	87.84%	2233.01
2	IEDSS	NR	0.00	32.00	32.00	0.00	0.00	0.00	0.00	9.35	0.00	0.00	9.35	9.35	9.35	100.00%	0.00
		R	136.20	0.00	136.20	136.20	0.00	9.61	0.00	29.67	0.00	0.00	29.67	39.28	38.25	97.38%	1.03
IEDSS-Total			136.20	32.00	168.20	136.20	0.00	9.61	0.00	39.02	0.00	0.00	39.02	48.63	47.60	97.88%	1.03
3	ICT@ School	NR	0.00	3200.00	3200.00	0.00	0.00	666.67	0.00	0.00	0.00	0.00	0.00	666.67	0.00	0.00%	666.67
		R	0.00	0.00	0.00	0.00	0.00	250.79	0.00	0.00	0.00	0.00	0.00	250.79	0.00	0.00%	250.79
ICT@School-Total			0.00	3200.00	3200.00	0.00	0.00	917.46	0.00	0.00	0.00	0.00	0.00	917.46	0.00	0.00%	917.46
4	Girls Hostel	NR	0.00	973.36	973.36	0.00	0.00	512.89	0.00	178.24	19.80	0.00	198.04	710.93	0.00	0.00%	710.93
		R	273.79	0.00	273.79	246.41	27.38	19.86	0.00	83.36	9.27	0.00	92.63	112.49	78.18	69.50%	34.31
GH-Total			273.79	973.36	1247.15	246.41	27.38	532.75	0.00	261.60	29.07	0.00	290.67	823.42	78.18	9.49%	745.24
5	Vocational Education	NR	240.00	341.00	581.00	180.00	60.00	179.53	0.00	0.00	0.00	0.00	0.00	179.53	0.00	0.00%	179.53
		R	787.60	0.00	787.60	590.70	196.90	257.76	0.00	96.98	32.33	0.00	129.31	387.07	0.00	0.00%	387.07
VE- Total			1027.60	341.00	1368.60	770.70	256.90	437.29	0.00	96.98	32.33	0.00	129.31	566.60	0.00	0.00%	566.60
Total		NR	1218.80	13307.31	14526.11	1060.92	157.88	9021.52	0.00	199.78	23.86	1094.02	1317.66	10339.18	6570.14	63.55%	3769.04
		R	7810.21	0.00	7810.21	6924.67	885.54	116.18	302.17	4309.23	979.10	4675.60	9963.93	10382.28	9687.98	93.31%	694.30
			9029.01	13307.31	22336.32	7985.59	1043.42	9137.70	302.17	4509.01	1002.96	5769.62	11281.59	20721.46	16258.12	78.46%	4463.34