

**MINUTES OF THE SECOND MEETING OF NATIONAL SEISMIC RISK  
MITIGATION PROGRAMME (NSRMP) HELD AT UTTARAKHAND DISASTER  
MANAGEMENT AUTHORITY (USDMA) AT SECRETARIATE, DEHRADUN ON  
24<sup>TH</sup> OF DECEMBER 2019**

The meeting was proceed by Senior Consultant, Uttarakhand State Disaster Management Authority and all other officials form USDMA were present during the meeting.

**List of Officers present in the meeting is attached as Annexure-I.**

The official from NDMA – Mr. Mudit Kapoor, Project Coordinator, PMU, NCRMP was present during the meeting. Team comprising of Prof H Sinvhal, State Coordinator, Col Sanjay Srivastava, GM (Disaster Management) and Er. Nitin Behl, Er. Ranu Chauhan and Mr Pramod Joshi from the consultant side were present were also present during the meeting. The Senior Consultant, USDMA welcomed all the participants and emphasized the importance of this project exercise of retrofitting of buildings and infrastructure to mitigate the risk associated with vulnerable buildings / infrastructure of the state.

Col. Sanjay Srivastava and Er. Nitin Behl gave a presentation on behalf of consultant. However, it was observed that there are few Departments who are not present / have not brought comprehensive list with prioritization. Hence it's requested all the departments to submit their prioritized the list of all critical building in the department by 28 Dec 2019 .The final list of all critical building will be send to consultant in the second week of January, 2020.

In the meantime, the interim priority list of 129 buildings consisting of hospitals, schools, administrative / office buildings, jails, fire stations, etc. was discussed. Opinion from all the department representatives present in the meeting was sought by USDMA, which were considered in taking the informed decision. Based on the outcome of the meeting, the interim priority list of 129 buildings was finalised which is attached as Annexure-II.

Senior Consultant, Uttarakhand State Disaster Management Authority emphasized that the final list of selected buildings for preparing their DPR shall be undertaken only taking formal approval from USDMA.

**Following points were discussed and decisions were taken with regards to the different Components under the project:**

**Component A-1:**

**Consultant requested the following data from the State:**

- 1- List of 184 locations of EEW sensors installed by IIT' Roorkee in Uttarakhand.
- 2- Tehri Dam Flood EW System details.
- 3- Data of earthquake from IMD and IIRS was requested to incorporate during design of

EEWDS. The locations and other infrastructure of these organizations have been also required. It was agreed to provide data mention in Point no.1 after the meeting However, for point no. 2 State will interact and share the data by the first week of January, 2020 to develop a EEWWS. While for point no. 3 it was decided that consultant shall request NDMA to provide data directly from National Level.

**Component A-2:**

**Consultant requested the following data from the State:**

- 1- Detailed list of equipment was requested from SDRF. The details of location and manpower in the State have also requested. Deputy Commandant, State Disaster Response Force (SDRF) has provided the all data to Consultant. It was also informed that the under The World Bank project new building of SDRF is under construction.
- 2- Detailed list of equipment was received from the Fire Service Department. However, the list of their training programmes, duration and frequency along with training material have requested by the consultant. USDMA requested to Fire Service department for the same.
- 3- List of equipment as reflected in study report – 2012 by Fire, Civil Defense and Home Guard, Govt. of India was validated.
- 4- It was intimated by the representative of Panchayati Raj that out of 8000 Panchayat 4000 are equipped with different type of search and rescue equipments. The list of equipment shall be made available by first week of January 2020.
- 5- Consultant requested to provide the list of Search and Rescue Equipment from following organization/department.
  - a) BRO,
  - b) PSU – BHEL, Haridwar,
  - c) Indian Railway, Dehradun
  - d) Tehri Dam Authorities
  - e) Army – Dehradun Sub-Area
  - f) ITBP
  - g) SSB
  - h) BSF

Senior Consultant, USDMA assured that the request letter will be sent to above concern department and as soon as list will be available same should be provided to Consultant. The DDF representative shall co-ordinate with these departments for gathering this data.

## **Component B:**

Senior Consultant, USDMA mentioned and also asked the following from the officials from the various line departments:

- 1- Nodal Officer from the health and education departments to share their priority lists of critical facilities as per their requirement.
- 2- SDRF Official to share the details of the important jails because it caters to the social aspect of the society.
- 3- PWD Officials to share the list of critical bridges with their Latitude & Longitude that may play an important role during the rescue operations in the hilly terrain.
- 4- The revenue department representative was asked to share the Collectorate and treasury office details as per form B1 shared by the Consultant during the presentation.
- 5- Jal Sansthan department official was asked to share the list of overhead water tanks and details of the water supply system.
- 6- Departments such as Food & Supply, Tourism Department, Industries and BRO which were not represented in the presentation and data was required were identified. A letter asking for their building data was decided for inclusion in the priority list.
- 7- Power department (PITCUL) representative was asked to provide the latitude and longitude details of their main and sub stations along with grid details for identifying possible locations of onsite early warning earthquake sensor installations.
- 8- Urban Local Body department is to share the Ran Basera Building list which are used as shelters.
- 9- Representative from the Panchayat Department was asked to share the details of the facilities which are identified as shelters during the emergency and will also share the equipment list available with the Gram Rakshadal. USDMA will also share the equipment list available with Gram Rakshadal including Mahila and Yuva Mangal dal with the Consultant.
- 10- USDMA will share the required related unclassified GIS data with the consultant.
- 11- A letter will be issued to the Industries and Civil Aviation by the Secretary for their list of Search and Rescue equipment currently available with them.
- 12- Forest department official will be requested to share the land use plan to account for the social and environment aspect for selection of retrofitting activities.
- 13- It was requested NDMA to help in coordination with the National Level Departments such as BSNL, Post & telegraph, IIRS & IMD to facilitate the data required for the project state.

14- Data center of the State was establishment in Information Technology and Development Agency (ITDA) at IT Park Dehradun. It was suggested that details of IT network and infrastructure will be provided by the ITDA. DDF representative will co-ordinate with ITDA and get the data.

**Component C:**

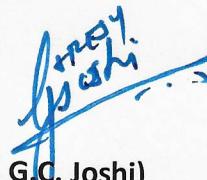
- 1- Details of components C and D were explained with the format and the specific information required from each Department.
- 2- USDMA has ongoing Capacity Building Programme on Earthquake. The same was shared with the Consultant.
- 3- Details of the Capacity Building Programme from following Departments were assured by the second week of January 2020.
  - a) Education Department – School Safety Program
  - b) SDRF, Uttarakhand
  - c) Fire & Emergency Department
  - d) Civil Defense Department
  - e) Panchayati Raj Department
  - f) State ATI
  - g) NDRF Community Awareness Programme
  - h) Tourism Department
  - i) Village Defense Group (Gram Raksha Dal)
  - j) Transport Authority
  - k) Health Department
- 4- Building Bye Laws and guidelines on EQ resistant housing and relevant literature on same was requested to be provided by first week of January 2020.

**Component D:**

- 1- The details of information required on Component D specially with respect to environment and specially protected zones were explained. The format were circulated in the meeting.
- 2- Environmentally protected / sensitive zone details from Forest, Environment and climate change Departments and concerned authorities were requested. Senior Consultant Uttarakhand State Disaster Management Authority informed that separate department of climate change was established in the State and consultant can co-ordinate with the department and collect the all necessary information request for the project.

**Finally, the meeting was concluded by ending lines by project Coordinator from NDMA.**

- 1- He suggested to USDMA that remaining departments provide the priority list as soon as possible so that it's finalized by first week of January'2020.
- 2- He appreciated the confirmation of 129 facilities from USDMA, and
- 3- He expressed thanks on behalf of NDMA to all officials / representatives present in the meeting for their positive attitude to attend, understand and take the matter forward in a timely manner.



(Dr. G.C. Joshi)  
Senior Consultant  
**Uttarakhand Disaster Management Authority**

No. **USDMA-701 (2019)**

Dated: / /2019

**Cc to following for information:**

- 1- Secretary, Disaster Management and Rehabilitation, GoU.
- 2- Secretary (I/C), Disaster Management and Rehabilitation, GoU.
- 3- Additional Chief Executive Officer, Uttarakhand Disaster Management Authority.
- 4- All Present in the meeting.
- 5- Guard File.

List of Attendees

Annexure I

Attendance sheet of meeting on "Designing National Seismic Risk Mitigation Programme (NSRMP) on 24<sup>th</sup> December, 2019 at 10:00 AM at Conference Hall, DMMC, Secretariat, Dehradun, Uttarakhand

S.No.	Name of Participant	Designation & Organization	Mobile No.
Client: NDMA, New Delhi			
1.	Dr. Mudit Kapoor	Project Coordinator, NDMA	9029436505
State Officials			
2.	Dr. Girish Joshi	Sr. Consultant, USDMA	9412379345
3.	Amit Sharma	System Analyst, USDMA	8194024478
4.	Shailesh Ghildiyal	Asst Consultant, USDMA	9720849210
5.	Pooja Rana	Planner, USDMA	7600673987
6.	Surbhi Kumdalia	Consultant, USDMA	9997771988
State Department Nodal Officers			
7.	Mr. Ajay Bhatt	SDRF	7000548746
8.	Mr. Neeraj Sharma	SDRF	9410929629
9.	Mr. Rajesh Kumar	SE-PITCUL	70088117935
10.	Vijay Singh Somnal	Panchayati Raj, Govt of Uttarakhand	9412985220
11.	Mr. H K Pandey	GM, Uttarakhand Jal Sansthan	9411113817
12.	Bharat Singh	A.E., Directorate Urban Development	9412364514
13.	Dr. Ajit	Health Department	9719603414
14.	Mr. S K Rana	CFO, Dehradun	7055202279
15.	Mr Manish Pant	FM, Fire, Dehradun	9997207340
16.	V.K. Bamrana	P.O. UREDA DDN	9758897005
17.	Er. G.C. Arya	S.E. Sr. Staff Officer, PWD DDN	9412327068
18.	Mr. S C Juyal	A.E., Uttarakhand Jal Sansthan	9412952630
19.	Mr. K K Dimri	Board of Revenue	8128686767
20.	Vinod Kumar	Staff Officer, Secondary Education Department	9410707432
Consultants- DDF-AKDNJV			
21.	Col. Sanjay Srivastava	GM, NSRMP, DDF-AKDNJV	7631089049
22.	Prof. Harsha Sinhal	State Coordinator, NSRMP, DDF-AKDN JV	9412072022
23.	Ms. Ranu Chauhan	DDF-AKDNJV	9458113962
24.	Nitin Behal	DDF-AKDNJV	99107344279
25.	Mr. Pramod Kumar Sharma	Associate State Coordinator, NSRMP, DDF-AKDN JV	9412055497

**ANNEXURE-II**

**Interim List of Prioritized of Buildings / Infrastructure Selected for Retrofitting**

**FORM B1: List of Critical / Lifeline Buildings**

District	All District of Uttarakhand
Division	Garhwal and Kumaun
Department	Uttarakhand Fire and Emergency Services
Contact Person with IG, Fire & Emergency Services, Uttarakhand	
Date	

S. No.	Name of Facility	Facility Address	Usage	Max Occupancy (Inhabitants)	Year Construction	Plot/Built Up Area of Facility (approx.)	No. of Storey	Type of Building (RCC, Assam Type, Masonry, )	Drawings of Facility Plans (Y/N)	Whether code compliance (Y/N)	Latitude/ Long	Remark
1.	Fire Station Narendranagar	Narendranagar Distt-Tehri	Fire Station	40-50 Persons	Old	3920/800 SqM	02	Masonry	N	N	30° 09' 45.50" N 78° 17' 00.80" E	-
2.	Fire Station Rishikesh	Rishikesh Distt-Dehradun	Fire Station	40-50 Persons	Old	800 SqM	02	RCC	N	N	30° 06' 51.33" N 78° 16' 53.32" E	-
3.	Fire Station Mussoorie	Mussoorie Distt-Dehradun	Fire Station	40-50 Persons	Old	800 SqM	02	RCC	N	N	30° 27' 00.00" N	-
4.	Fire Station Ranikhet	Ranikhet Distt-Almora	Fire Station	40-50 Persons	Old	800 SqM	01	Tin Shed	N	N	78° 06' 35.99" E	-
5.	Fire Station Garud	Garud Distt-Nageshwar	Fire Unit	10-20 Persons	2010-11	800 SqM	02	RCC	N	N	29° 38' 42.56" N 79° 25' 30.93" E	-
6.	Fire Station Barkot	Barkot Distt-Uttarkashi	Fire Station	40-50 Persons	Old	500 SqM	02	Tin Shed	N	N	29° 54' 18.70" N 79° 37' 50.52" E	-
7.	Fire Station Pauri	Pauri Distt-Pauri	Fire Station	40-50 Persons	Old	2879/400 SqM	01	Masonry	N	N	30° 48' 24.60" N 78° 12' 15.70" E	-
8.	Fire Station Pithoragarh	Pithoragarh Distt-Pithoragarh	Fire Station	40-50 Persons	Old	400 SqM	01	RCC	N	N	30° 08' 49.55" N 78° 46' 27.83" E	-
9.	Fire Station Khatima	Khatima Distt-US Nagar	Fire Station	40-50 Persons	Old	1872/600 SqM	01	Masonry	N	N	29° 34' 47.99" N 80° 13' 11.99" E	-
10.	Fire Station Jaspur	Jaspur Distt-US Nagar	Fire Station	40-50 Persons	Old	600 SqM	01	Tin Shed	N	N	28° 41' 30.30" N 79° 58' 06.72" E	-
11.	Fire Station Tankapur	Tankapur Distt-Champawat	Fire Station	40-50 Persons	Old	3880/400 SqM	01	RCC	N	N	29° 17' 20.00" N 78° 50' 17.00" E	-
										N	29° 04' 46.90" N 80° 07' 07.32" E	-

  
**Shailesh Ghildiyal**  
 Assistant Consultant

Priority 1st List of Critical Lifeline Buildings of Health Department										
		Health Department	Uttarakhand	a	3	2008	37.9	13.5	1534.95	200 RCC
1	Uttarkashi District Women Hospital Uttarakhand		b	2	2008	43.2	8	691.2	150 RCC	Grade 1
			c	2	2012	12.8	5	128	40 RCC	Grade 2
			d	2	1988	20.7	11.7	484.38	100 RCC	Grade 1
			e	2	1965	62.5	36.3	4527.5	1200 Masonry	Grade 4
			f	1	1993	135	11.4	153.9	50 Masonry	Grade 3
			g	1	1993	162	8.7	140.94	50 Masonry	Grade 4
			h	2	1994	183	8.2	300.12	60 RCC	Grade 1
			i	1	1976	25.6	10.8	276.48	100 Masonry	Grade 3
2	Maiti Chikitsalya, Block HawaliBsg, Almora Uttarakhand		Almora	a	2	1899	22.67	15.74	713.6516	20 Masonry
			b	2	1920	27.46	12.3	675.516	60 Masonry	Grade 4
			c	1	1919	28.28	10.28	290.7184	10 Masonry	Grade 4
			d	2	1980	16.1	5.3	174.86	18 Masonry	Grade 4
			e	3	2002	43.2	15.3	1982.88	120 RCC	Grade 4
			f	5	2002	41.42	23	4763.3	35 RCC	Grade 4
			g	2	1988	15.3	6.5	198.9	5 Masonry	Grade 4
			h	2	1980	23.75	10.05	477.375	10 Masonry	Grade 4
3	District Hospital, Block HawaliBsg, Almora, Uttarakhand		Almora	a	2	1999	15.3	10.05	477.375	10 Masonry
			b	2	1980	23.75	10.05	477.375	10 Masonry	Grade 4
			c	2	1988	15.3	6.5	198.9	5 Masonry	Grade 4
			d	5	2002	41.42	23	4763.3	35 RCC	Grade 4
			e	2	1964	54.1	41.55	4495.71	220 Masonry	Grade 3
			f	1	2010	17.7	13.35	238.065	29 RCC	Grade 1
			g	2	2010	14.35	13	373.1	50 RCC	Grade 5
			h	2	1999	10	15.5	310	3 Masonry	Grade 4
4	Govt Dist.Hospital, Bijn		Pithoragarh	a	2	1964	54.1	41.55	4495.71	220 Masonry
			b	1	2010	17.7	13.35	238.065	29 RCC	Grade 1
			c	2	2010	14.35	13	373.1	50 RCC	Grade 5
			d	2	1999	10	15.5	310	3 Masonry	Grade 4
			e	2	2006	33	30	1800	100 RCC	Grade 2
			f	2	2006	20	16	640	100 RCC	Grade 1
			g	2	1970	65	27	3510	100 Masonry	Grade 4
			h	2	2006	17.5	7.5	262.5	100 RCC	Grade 2
5	District hospital Bopeshwar		Chamoli	i	2	1970	65	27	3510	100 Masonry
			j	2	2006	33	30	1800	100 RCC	Grade 2
			k	2	2006	20	16	640	100 RCC	Grade 1
			l	2	1998	18.5	10	370	100 Masonry	Grade 3
			m	2	1999	10	15.5	310	100 Masonry	Grade 4
			n	2	2006	33	30	1800	100 RCC	Grade 2
			o	2	1970	65	27	3510	100 Masonry	Grade 5
			p	2	2006	17.5	7.5	262.5	100 RCC	Grade 2
6	District Hospital, Bageshwar		Chamoli	q	2	1970	65	27	3510	100 Masonry
			r	2	2006	33	30	1800	100 RCC	Grade 2
			s	2	2006	20	16	640	100 RCC	Grade 1
			t	2	1998	18.5	10	370	100 Masonry	Grade 3
			u	2	1999	10	15.5	310	100 Masonry	Grade 4
			v	2	2006	33	30	1800	100 RCC	Grade 2
			w	2	1970	65	27	3510	100 Masonry	Grade 5
			x	2	2006	17.5	7.5	262.5	100 RCC	Grade 2
7	District Hospital, Rudraprayag		Bageshwar	y	x					
			Z	Rudraprayag	x					
			A	Pauri	x					
			B	Pithoragarh	x					
			C							
			D							
			E							
			F							
8	Joint Hospital, Srinagar		G							
			H							
9	Joint Hospital, Dharchula		I							
			J							
Priority list 1			K							

*Endorsed*

Shailesh Chidiyal  
Assistant Consultant USDMA

Priority 1st List of Critical Lifeline Buildings of Education

S.no	BUILDING ADDRESS	BUILDING_OWNER	DISTRICT	BLOCK UNIT	Construction Year	NO of STORIES	Length	Breadth	Area	BTYPE	Damnegability Grade as per UDRP
1	GHS Chaunghat Ghuni Ghat Chamoli	Education Department	Chamoli	a	1989	1	20.4	8.05	164.22	Masonry building	Grade 4
				b	1993	1	4.88	4.4	21.472	Masonry building	Grade 4
				c	1997	1	7.85	7	54.95	Masonry building	Grade 4
				d	2011	1	6.56	7	45.92	Masonry building	Grade 4
2	GIC NAGNATH	Education Department	Chamoli	e	1998	1	26.22	7	183.54		
							75.1	25.23	3789.546	Masonry building	Grade 4
3	GIC GODLI	Education Department	Chamoli	a	1975	2	35.9	11.67	418.953	Masonry building	Grade 4
				b	1901	1				Masonry building	Grade 4
				c	1982	1	11.22	5.96	66.8712	Masonry building	Grade 4
				d	1979	1	21.16	10.1	213.716	Masonry building	Grade 4
				e	1980	1	13.47	6.7	90.249	Masonry building	Grade 4
				f	1983	1	6.96	5.68	39.5328	Masonry building	Grade 4
					1979	1	8.06	5.9	47.554		
					1993	1	9.25	5.05	46.7125		
4	Govt. Girls Inter College, Block Hawalbagh, Almora, Uttarakhand.	Education Department	Almora	a	1948	2	29.87	19.7	1176.878	Masonry building	Grade 4
				b		2	29.87	23.1	1379.994		
				c		2	24.58	14.46	710.8536		
5	GIC Garurabanz Principal/Office building	Education Department	Almora	d	2004	2	13.78	10.75	296.27	RCC building	Grade 4
6	GIC Kunelakhet, Block Tarikhet Almora Uttrakhand	Education Department	Almora	a	1960	1	21.95	7.78	197.612	Masonry building	Grade 4
				b	2014	1	10.87	8.9	96.743	RCC building	Grade 1
				c	1990	1	17.85	5.95	106.2075	Masonry building	Grade 4
				d	1990	1	18.5	5.4	99.9	Masonry building	Grade 4
				e	2010	1	12.75	8.5	108.375	RCC building	Grade 1
				f	2011	2	20.56	15.09	620.5008	RCC building	Grade 4
				g	2003	1	16.25	12.4	201.5	Masonry building	Grade 4
7	Gangotri Garbhya Govt Girls Inter College	Education Department	Pithoragarh	a	1999	1	10.45	14.58	152.361	Masonry building	Grade 4
				b	1999	2	31.73	13.4	850.364	Masonry building	Grade 3
				c	1952	2	42	11.1	932.4	Masonry building	Grade 1
				d	1952	1	28.7	15.77	452.599	Masonry building	Grade 5
				e	1999	1	23.15	6.6	152.79	Masonry building	Grade 4
				f	1969	2	31.1	16.1	1001.42	Masonry building	Grade 4
8	Gic dharchula	Education Department	Pithoragarh	a	1994	2	52	10.25	1066	Masonry building	Grade 4
				b	1991	2	34	10.25	657	Masonry building	Grade 5
9	GIC RAJAGAR	Education Department	Pithoragarh	c	1993	2	62.7	9.5	1191.3	Masonry building	Grade 4
				b	1990	1	10	5	50	Masonry building	Grade 4
				c	1990	1	18	10	180	Masonry building	Grade 4
				d	1993	1	18	5	90	Masonry building	Grade 4
				e	1998	1	10	8	80	Masonry building	Grade 4
				f	1993	1	8	6	48	Masonry building	Grade 4

*S. Jha*

S.no	BUILDING ADDRESS	BUILDING_OWNER	DISTRICT	BLOCK UNIT	Construction Year	NO of STORIES	Length	Breadth	Area	BTYPE	Damagability Grade as per UDRP
10	GIC Selaqui Dehradun	Education Department	Dehradun	a	2004	1	12.8	7.85	100.48	Masonry building	Grade 3
				b	2002	1	12.85	7.85	100.875	Masonry building	Grade 2
				c	2001	1	15.9	8.5	135.15	Masonry building	Grade 2
				d	1996	1	18.55	7.2	133.56	Masonry building	Grade 3
				e	1996	1	15.7	5.5	86.35	Masonry building	Grade 4
				f	1964	1	21	10.4	218.4	Masonry building	Grade 4
				g	2014	1	8.5	8.5	72.25	RCC building	Grade 1
				h	2008	1	28.05	8.7	244.035	RCC building	Grade 4
				i	2003	1	12.8	8.7	111.36	RCC building	Grade 4
11	GIC IDPL, RISHIKESH, DOIWALA, DEHRADUN	Education Department	Dehradun	j	2003	1	12.6	8.5	107.1	RCC building	Grade 1
				a	1979	2	39	12.4	967.2	Masonry building	Grade 4
				b	2006	1	16.1	9.1	146.51	Masonry building	Grade 4
				c	1965	1	58	10.2	591.6	Masonry building	Grade 3
				d	1965	2	58	25	2900	Masonry building	Grade 4
				e	1965	2	36.3	10	726	Masonry building	Grade 4
				f	1965	1	25.2	12	302.4	Masonry building	Grade 2
12	GGC RISHIKESH, DOIWALA, DEHRADUN	Education Department	Dehradun	a	2001	1	15.6	8.65	134.94	RCC building	Grade 3
				b	1992	2	19.75	6.5	256.75	Masonry building	Grade 4
				c	1958	2	9.25	11.5	212.75	Masonry building	Grade 5
				d	1958	2	37	27.3	2020.2	Masonry building	Grade 3
				e	1962	2	31.2	16	998.4	Masonry building	Grade 4
				f	1989	1	8.9	6.1	54.29	Masonry building	Grade 4
				g	1999	1	29.3	6.75	197.775	Masonry building	Grade 4
13	GIC DAKPATHAR, VIKASNAGAR, DEHRADUN	Education Department	Dehradun	a	1972	1	92.3	52.3	4827.29	Masonry building	Grade 4
				b	1985	2	28	17.9	1002.4	Masonry building	Grade 4
				c	1979	2	35	7.9	533	Masonry building	Grade 4
14	GGC LAKHIBAGH, RAJPUR, DEHRADUN	Education Department	Dehradun	a	2000	1	15.45	9.9	152.955	RCC building	Grade 4
				b	1978	1	12.4	6.9	85.56	Masonry building	Grade 3
				c	1978	1	13.4	5.4	72.36	Masonry building	Grade 4
				d	1977	1	17.2	5.3	91.16	Masonry building	Grade 2
				e	1915	1	30	7.3	219	Masonry building	Grade 4
				f	1985	1	30.7	6.2	190.34	Masonry building	Grade 4
				g	1988	1	15.3	6.1	93.33	Masonry building	Grade 4
				h	1997	1	15.4	6.5	100.1	Masonry building	Grade 4
				i	2003	2	14.6	5.8	169.36	Masonry building	Grade 4
				j	2003	1	19.35	6	116.1	Masonry building	Grade 4
15	GGC, Paye, Garud, Bageshwar	Education Department	Bageshwar	a	2000	2	12.7	6.14	155.956	Masonry building	Grade 4
				b	2000	2	12.65	5.2	131.56	Masonry building	Grade 5
				c	1984	1	35.3	10.7	377.71	Masonry building	Grade 4
				d	2006	2	33.47	9.5	635.93	RCC building	Grade 4
				e	2006	1	12.65	8.85	111.9525	Masonry building	Grade 4

  
**Shailesh Chauhan**  
 Assistant Consultant USDMA

S.no	BUILDING ADDRESS	BUILDING_OWNER	DISTRICT	BLOCK UNIT	Construction Year	NO of STORIES	Length	Breadth	Area	BTYPE	Damageability Grade as per UDRP
16	Class 6th & 7th, GIC KARPOT, BAGESHWAR	Education Department	Bageshwar	a	1930	1	24	7.16	171.84	Masonry building	Grade 4
				b	1929	1	17	5	85	Masonry building	Grade 4
				c	1930	1	17.9	12.1	216.59	Masonry building	Grade 3
				d	1930	2	21.75	8.55	371.925	Masonry building	Grade 5
				e	2008	1	7.5	6.5	48.75	RCC building	Grade 4
				f	2008	1	7.2	6.5	46.8	RCC building	Grade 4
				g	1980	1	17.1	10.1	172.71	Masonry building	Grade 5
				h	1988	1	13.1	9.8	128.38	Masonry building	Grade 2
				i	1980	2	11	9	98	Masonry building	Grade 3
				j	1977	1	13.6	12.4	168.64	Masonry building	Grade 4
17	GIC NAUGAON	Education Department	Uttarkashi	a	1984	2	85	9.5	1615	Masonry building	Grade 4
				b	1965	1	35.3	9.4	331.82	Masonry building	Grade 4
				c	1984	1	19.3	12.5	241.25	Masonry building	Grade 4
18	Govt.inter college uttarkashi	Education Department	Uttarkashi	a	1984	2	42.6	8.75	745.5	Masonry building	Grade 4
				b	2007	1	13	6	78	RCC building	Grade 1
				c	1987	2	39.75	15.72	1245.74	Masonry building	Grade 4
				d	1993	2	49.2	19.2	1889.28	RCC building	Grade 4
				e	1997	1	16	9.8	156.8	RCC building	Grade 2
				f	1986	1	19.7	12.7	250.19	Masonry building	Grade 4
				g	1985	1	14.85	9.1	135.135	Masonry building	Grade 4
19	Govt.Girls Inter College Kotdwara	Education Department	Pauri	a	1950	1	79.1	49.8	3939.18	Masonry building	Grade 4
				b	2011	1	37.65	9.45	355.7925	Masonry building	Grade 4
				c	1994	1	23.95	7.11	170.2845	Masonry building	Grade 1
				d	1994	1	7	6.05	42.35	Masonry building	Grade 4
				e	1954	1	20.8	12.9	268.32	Masonry building	Grade 4
				f	1994	1	11.9	8.4	99.96	Masonry building	Grade 4
				g	1998	1	5.55	4.8	26.64	Masonry building	Grade 2
				h	2011	1	10.05	5.55	55.7775	RCC building	Grade 4
				i	2013	1	4.5	4.35	19.575	Masonry building	Grade 2
20	GIC,Digalchaud, Lohaghat,Champawat	Education Department	Champawat	a	2001	1	8.7	7.35	63.945	Masonry building	Grade 1
				b	1998	1	12.7	5.2	66.04	Masonry building	Grade 4
				c	1973	1	22.2	12.65	280.83	Masonry building	Grade 5
				d	2002	1	15.3	8.55	130.815	Masonry building	Grade 4
				e	2005	1	19	8.5	161.5	Masonry building	Grade 4
				f	2004	1	10.2	6.45	65.79	Masonry building	Grade 4
21	GIC,Choumail,Barakot,Block-C,Champawat	Education Department	Champawat	a	1978	1	33.1	11.6	383.96	Masonry building	Grade 1
				b	1994	1	15.6	8	124.8	Masonry building	Grade 3
				c	2003	1	23.8	5.25	124.95	Masonry building	Grade 4
				d	1993	1	12.1	4.8	58.08	Masonry building	Grade 4
				e	1980	1	15	12.5	187.5	Masonry building	Grade 4
				f	2011	1	8.5	7.25	72.25	RCC building	Grade 1
				g	1980	1	8.5	7.5	63.75	Masonry building	Grade 4
22	Main building GGIC,kichcha	Education Department	Udham Singh Nagar	a	1980	2	68.5	9.5	1301.5	Masonry building	Grade 4
				b	1980	2	26.5	15.5	821.5	Masonry building	Grade 4
				c	2011	1	21.5	8.5	182.75	Masonry building	Grade 1
				d	2005	2	25.5	8	408	Masonry building	Grade 5
				e	1980	1	15	12.5	187.5	Masonry building	Grade 4
				f	2011	1	8.5	7.25	72.25	RCC building	Grade 1
				g	1980	1	8.5	7.5	63.75	Masonry building	Grade 4

  
**Shailesh Ghildiyal**  
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S.no	BUILDING ADDRESS	BUILDING_OWNER	DISTRICT	BLOCK UNIT	Construction Year	NO of STORIES	Length	Breadth	Area	BTYPE	Damaging Grade as per UD RP
23	Gic kelakhetda	Education Department	Udham Singh Nagar	a	1999	2	24.25	8.75	424.375	Masonry building	Grade 4
				b	2003	2	24	8.5	408	Masonry building	Grade 4
				c	1975	1	27.75	4.25	117.9375	Masonry building	Grade 4
24	Gic myani	Education Department	Tehri	a	1998	1	6.8	5.3	36.04	Masonry building	Grade 4
				b	1990	1	7	5.8	40.6	Masonry building	Grade 4
				c	1986	1	16.5	8.7	143.55	Masonry building	Grade 4
				d	2011	2	25.3	9.78	494.868	Masonry building	Grade 4
				e	2013	1	6.85	5.3	36.305	Masonry building	Grade 4
				f	1988	1	9.8	5.3	51.94	Masonry building	Grade 4
				g	2004	1	12.7	5.6	71.12	Masonry building	Grade 4
				h	2011	2	27.35	7.75	423.925	Masonry building	Grade 3
25	Govt inter College Chopta Rudraprayag	Education Department	Rudraprayag	a	1965	1	31.8	10.1	321.18	Masonry building	Grade 4
				b	2014	2	40.8	9.17	748.272	RCC building	Grade 3
				c	1985	1	12.25	6.1	74.75	Masonry building	Grade 4
				d	1985	2	11.53	6.57	151.5042	RCC building	Grade 5
26	Govt inter college Basukedar Rudraprayag	Education Department	Rudraprayag	a	1998	2	32.35	10.38	671.586	Masonry building	Grade 4
				b	2000	1	20.4	6.54	133.416	Masonry building	Grade 4
				c	1993	1	17.15	5.96	102.214	Masonry building	Grade 4
				d	1992	1	13.4	5.75	77.05	Masonry building	Grade 4
				e	2013	1	14.74	7.4	109.076	RCC building	Grade 1
				f	2012	1	6.55	5.35	35.0425	RCC building	Grade 2
27	Gic Niranjanpur,Block A,Block Laksar,Haridwar	Education Department	Haridwar	a	2007	1	49.6	9.1	451.36	Masonry building	Grade 3
				b	2011	1	26.25	9.5	249.375	Masonry building	Grade 4
				c	2001	1	6.59	8.05	53.0495	Masonry building	Grade 3
				d	1965	1	20.7	8.5	175.95	Masonry building	Grade 4
				e	1984	1	14	9.9	138.6	Masonry building	Grade 4
28	GGIC HALDWANI NAINITAL	Education Department	Nainital	a	1937	2	20	9	360	Masonry building	Grade 2
				b	2003	2	15	8	240	Masonry building	Grade 4
				c	2003	2	18	8	288	Masonry building	Grade 1
				d	2003	1	13	6.5	84.5	Masonry building	Grade 3
				e	2001	2	17	9	306	Masonry building	Grade 4
				f	1952	1	16	13	208	Masonry building	Grade 4
				g	2003	1	13	7	91	Masonry building	Grade 4
				h	2009	1	18	9	162	Masonry building	Grade 4
				i	2007	2	16	10	320	RCC building	Grade 4
				j	1982	1	13	6	78	Masonry building	Grade 4

Priority list 1

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*Shajilesh Ghildival*

Priority 1st List of Critical Lifeline Buildings of DC,DM												
	Name of facility with address	Usage	District	Blocks	No. of stories	year of construction	L	B	Area	occupancy	Building type	Grade
1	SDM OFFICE, DOIWALA, DEHRADUN	Administrative Department	Dehradun	a	1	2002	9.2	8.3	76.36	12	Masonry	Grade 4
2	Collectorate office Takana pithoragarh	Administrative Department	Pithoragarh	b	1	1998	10.1	8	80.8	25	Masonry	Grade 4
	Collectorate/Treasury office Block-B,Takana, Pithoragarh			a	2	1964	46.2	8.43	778.932	150	Masonry	Grade 3
	Treasury, District Election Commission office, collectorate office, Takana, Pithoragarh.			b	2	1964	56.83	9.7	1102.562	80	Masonry	Grade 4
	Collectorate office advocate bar room and typist Hall, Block D Takana pithoragarh DM office, Block Hawalbag, Almora, Uttarakhand	Administrative Department	Almora	a	1	1899	47.3	23.8	1125.74	130	Masonry	Grade 4
				b	2	1899	22.35	17.5	782.25	25	Masonry	Grade 4
4	SDM office (& NIC), Block Hawalbag, Almora Uttarakhand	Administrative Department	Almora	c	1	1899	16.58	9.31	154.3598	16	Masonry	Grade 5
				a	1	1899	13.1	19.25	252.175	17	Masonry	Grade 4
				b	2	1899	28.14	11.58	651.7224	33	Masonry	Grade 5
5	DDMA office , Collectorate campus, Rudrapur	Administrative Department	Udham Singh Nagar	c	1	2016	6.27	4.6	28.842	4	Masonry	Grade 1
6	Collectorate Building,Roshnabad,Block Bahadrbabd,Haridwar	Administrative Department	Haridwar	a	3	1991	53.5	53.5	8586.75	1150	RCC	Grade 4
7	DM Office	Administrative Department	Chamoli	b	2	1991	105.6	31.5	6652.8	670	RCC	Grade 4
8	DM Office	Administrative Department	Rudraprayag									
9	DM Office	Administrative Department	Uttarkashi									
10	DM Office	Administrative Department	Bageshwar									
	Priority List											
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*Confidential*  
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 Assistant Consultant, USDMA

Priority 1st List of Critical Lifeline Buildings of Police Department												
	Name of facility with address	Usage	District	Blocks	No. of stories	Year of construction	L	B	Area	occupancy	Building type	Grade
1	Police Chawki, Bhawari, Uttarkashi.	Thana/Pol Uttarkashi	x	2		1994	14.3	7.6	217.36	15	Masonry	Grade 5
2	Police Station, Gopeshwar	Thana/Pol Chamoli	x	2		1983	7	26	364	35	Masonry	Grade 5
3	Police Station, Ashkot, Janpad Kanalichinā	Thana/Pol Pithoragarh	a	1		1975	24.47	8.33	203.8351	15	Masonry	Grade 4
		b	2			2002	13.66	8.61	235.2252	10	RCC	Grade 1
		c	1			1998	7.48	7.26	54.3048	15	Masonry	Grade 4
		d	1			1965	10.2	6.15	62.73	7	Masonry	Grade 5
		e	1			1970	3.2	3.3	10.56	2	Masonry	Grade 1
4	Police Station, Jauljivi,Dharchula	Thana/Pol Pithoragarh	x	1		1980	10.75	8.25	88.6875	5	Masonry	Grade 5
5	Police Station, Baijnath	Thana/Pol Bageshwar	x	2		2004	18	12.5	450	22	RCC	Grade 5
6	Police Station, Kanda	Thana/Pol Bageshwar	x	2		2010	15	6	180	23	RCC	Grade 5
<b>Priority list 1</b>		6										

*Endorsed,*

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Associate Consultant, USDMA  
Agricola

Priority 1st List of Critical Lifeline Buildings of DDMO, SEOC												
	Name of facility with address	Usage	District	Blocks	No. of stories	year of construction	L	B	Area	occupancy	Building type	Grade
1	DDMO, Uttarkashi	Administrative Department	Uttarkashi	a	1	1997	15.25	8.6	131.15	30	RCC	Grade 4
				b	1	2006	10.7	8.4	89.88	30	RCC	Grade 1
				c	2	1972	54.3	28.3	3073.38	600	Masonry	Grade 4
2	DDMO office, Chamoli	Administrative Department	Chamoli	d	2	1985	27.3	14.8	808.08	200	Masonry	Grade 4
3	DDMO OFFICE AUGUSTMUNI RUDRAPRAYAG	Administrative Department	Rudraprayag	x	2	2005	10.65	8.5	181.05	15	Masonry	Grade 3
4	District Disaster Management Officer, Office Pauri	Administrative Department	Pauri	x	2	2007	15.23	11.77	358.5142	20	RCC	Grade 4
5	District Disaster Management Office Roshnabad, Block Bahadrbad, Haridwar.	Administrative Department	Haridwar	x	1	2007	10.65	8.5	90.525	100	Masonry	Grade 4

Priority list 1

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Shaiq Ghildiyal  
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Priority 1st List of Critical Lifeline Buildings of BDO, Tehsil Office												
	Name of facility with address	Usage	District	Blocks	No. of stories	Year of construction	L	B	Area	occupancy	Building type	Grade
1	BDO OFFICE NAUGAON	Administrative Department	Uttarkashi	a	2	2011	21	18.8	789.60	150	RCC	Grade 4
				b	1	2005	13.7	7.5	102.75	100	RCC	Grade 3
2	BDO Office, Mori, Utarkashi	Administrative Department	Uttarkashi	c	1	1960	18.7	7.2	134.64	250	Masonry	Grade 4
				a	1	1986	23.5	10.05	236.18	45	Masonry	Grade 4
3	TEHSIL OFFICE PUROLA	Administrative Department	Uttarkashi	b	1	1990	11.75	9.15	107.51	15	Masonry	Grade 3
				a	2	1970	38.5	10	770.00	600	Masonry	Grade 4
4	Block office purola	Administrative Department	Uttarkashi	b	1	1992	15.5	9.75	151.13	400	Masonry	Grade 4
				a	1	1986	24.2	6.1	147.62	120	Masonry	Grade 4
5	Block Office Dasholi,Upper Chamoli	Administrative Department	Chamoli	c	2	2003	5.6	7.8	87.36	50	Masonry	Grade 5
6	Tehsil Department karanpryag	Administrative Department	Chamoli	x	2	2005	18.5	20	740.00	150	Masonry	Grade 4
				a	1	1970	33	9.9	326.70	150	Masonry	Grade 4
7	BDO OFFICE KADANPRAYAG	Administrative Department	Chamoli	b	1	1998	33	9.9	326.70	80	Masonry	Grade 4
8	BDO OFFICE JAKHOLI RUDRAPRAYAG	Administrative Department	Rudraprayag	x	2	2004	25.95	9.13	473.85	250	Masonry	Grade 5
9	BDO OFFICE KIRTINGAR	Administrative Department	Tehri	a	1	1965	19.3	11.2	216.16	50	Masonry	Grade 4
				b	1	2008	8.7	4.1	35.67	40	Masonry	Grade 3
				c	1	1990	11	11.35	124.85	35	Masonry	Grade 4
				d	1	2008	5.1	9.25	47.18	5	Masonry	Grade 4
10	Block development office munakot	Administrative Department	Pithoragarh	a	1	1960	18.35	9.85	180.75	75	Masonry	Grade 4
				b	1	1962	7.25	6.84	49.59	10	Masonry	Grade 2
				c	1	1960	7.1	3.4	24.14	3	Masonry	Grade 4
				d	1	2008	12.5	4.48	56.00	6	RCC	Grade 4
				e	1	2002	11.65	7.7	89.71	4	RCC	Grade 3
				f	1	1987	8.07	7.05	56.89	15	Masonry	Grade 3
				g	1	1987	9.28	8.07	74.89	15	Masonry	Grade 2
				h	1	2001	19.8	14.6	289.08	110	Masonry	Grade 1
				i	1	2005	9.3	8.5	79.05	25	RCC	Grade 3
				j	1	1998	9.41	3.82	35.95	6	RCC	Grade 4
11	Tehsil office Kanalchina Pithoragarh	Administrative Department	Pithoragarh	a	1	2006	13.88	6.4	88.83	15	Masonry	Grade 3
				b	2	2007	10.79	9.12	196.81	15	Masonry	Grade 4
				c	1	2007	11.5	6.7	77.05	25	Masonry	Grade 4
				d	1	2007	8.6	7.5	64.50	15	Masonry	Grade 4
12	Block office Garud	Administrative Department	Bageshwar	a	2	2014	19.5	13.5	526.50	13	RCC	Grade 3
				b	1	1952	19.5	4.5	87.75	250	Masonry	Grade 4
				c	1	2013	17.55	13.8	484.38	60	RCC	Grade 3
13	BDO office Syalde Almora	Administrative Department	Almora	a	2	2013	12	4	48.00	22	Masonry	Grade 4
				b	1	1995	10.65	7.75	82.54	25	Masonry	Grade 4
14	B.D.O Champawat,Champawat	Administrative Department	Champawat	a	1	2004	9.6	8.4	80.64	15	RCC	Grade 4
				b	1	2012	11.1	5.3	58.83	15	RCC	Grade 4
				c	1	2013	18.25	10.5	191.63	80	Masonry	Grade 4
				d	1	1993	12.35	9.45	116.71	10	Masonry	Grade 1
15	BLOCK DEVELOPMENT OFFICE, PATI	Administrative Department	Champawat	a	2	2005	14.2	7.3	207.32	20	RCC	Grade 1

*For ref*  
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G. M. Patel  
Assistant Consultant DMA

Observed

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Priority 1st List of Critical Lifeline Buildings of Jail		
S. No	Name of Jail	District
1	Tehri Jail	Tehri
2	Nainital Jail	Nainital
3	Nainital Sub-Jail	Nainital
4	Hairdwar Sub-Jail	Haridwar
5	Udhamsingh Nagar Central Jail	Udham Singh Nagar
6	Udham Singh Nagar District Jail	Udham Singh Nagar
7	Pauri Jail	Pauri
<b>Priority List 1</b>		7

*Ansawat*

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Priority 1st List of Critical Lifeline Buildings of Panchayat

	Name of facility with address	Usage	District	Blocks	No. of stories	year of constructi on	L	B	Area	Occupant	Building type	Grade
1	Panchayat Bhawan Chailuli Chinyalisaur	Administrative Department	Uttarkashi	x	1	2016	10.8	6.8	73.44	10	Masonry	Grade 4
2	Panchayat Bhawan Badethi	Administrative Department	Uttarkashi	x	2	2010	7.55	7.05	106.455	20	Masonry	Grade 4
3	Panchayat Bhawan (New) Dharkot Chinyalisaur	Administrative Department	Uttarkashi	x	1	2006	12.5	6.5	81.25	12	Masonry	Grade 4
4	Panchayat Bhawan Gona naigaon	Administrative Department	Uttarkashi	x	2	2005	6.6	7.3	96.36	16	Masonry	Grade 4
5	Panchayat Ghar latudi	Administrative Department	Pithoragarh	x	1	2000	8	8.5	68	10	Masonry	Grade 4
6	Panchayatghar Bichla Kanoth, Karnaprayag	Administrative Department	Chamoli	x	1	2008	5.7	5.58	31.806	10	Masonry	Grade 4
7	Panchayatghar Raturu, Karnaprayag	Administrative Department	Chamoli	x	1	2004	8.22	5.44	44.7168	10	Masonry	Grade 4
8	PANCHAYAT BHAWAN Mouso	Administrative Department	Chamoli	x	2	2007	8.52	7.58	129.1632	25	RCC	Grade 4
9	Panchayatghar Nagkot, Karnaprayag	Administrative Department	Chamoli	x	1	2003	7.68	9.28	71.2704	15	Masonry	Grade 4
10	Panchayatghar, Kandara, Karnaprayag	Administrative Department	Chamoli	x	1	2002	5.94	3.83	22.7502	10	Masonry	Grade 4
11	Panchayat Bhawan Reengi	Administrative Department	Chamoli	x	2	1995	7.6	7.85	119.32	40	Masonry	Grade 4
12	Panchayat Bhawan Helong Gaun	Administrative Department	Chamoli	x	1	1990	7.9	4.6	36.34	30	Masonry	Grade 4
13	PANCHAYAT BHAWAN ANDARIYA JAKHOLI	Administrative Department	Rudraprayag	x	1	2008	4.8	3.9	18.72	12	Masonry	Grade 4
14	PANCHAYAT BHAWAN GHENGHADKHAL JAKHOLI	Administrative Department	Rudraprayag	x	2	1997	9.88	9.33	184.3608	20	RCC	Grade 4
15	Panchayat Bhawan, Ghiroli	Administrative Department	Bageshwar	x	2	2008	8.05	6.5	104.65	10	Masonry	Grade 4
16	Panchayat Bhawan, Junayal	Administrative Department	Bageshwar	x	1	2008	8.7	7	60.9	10	Masonry	Grade 4
17	Panchayat Bhawan, Bheru	Administrative Department	Bageshwar	x	1	2000	7.86	7.55	59.343	15	Masonry	Grade 4
18	Panchayat Bhawan, Dahiyaiki, Block Narsan	Administrative Department	Haridwar	x	1	2007	8	8.35	66.8	25	Masonry	Grade 4
19	Panchayat Bhawan, Narsan Khurd, Block Narsan	Administrative Department	Haridwar	x	1	2000	7.1	7.37	52.327	10	Masonry	Grade 4
20	Panchayat Bhawan Ainthi	Administrative Department	Pauri	x	2	2004	8.9	8.3	147.74	50	Masonry	Grade 4
21	PANCHAYAT BHAWAN BIDHOLI	Administrative Department	Dehradun	x	1	1995	7.1	7.75	55.025	20	Masonry	Grade 4

Priority list 1

  
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Priority 1st List of Critical Lifeline Buildings of ATC		
1	Jolly Grant Airport, Dehradun	Dehradun
2	NainiSaini Airport, Pithoragarh	Pithoragarh
<b>Priority list 1</b>		<b>2</b>

*Revised*

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Priority 1st List of Critical Lifeline Buildings of UREDA

S.I.No.	Name of District	Name of Facility	Facility Address	Usage	Max Occupancy (Inhabitants )	Year of Construction	Built up Area Facility (Approx. Sqm.)	No. of Storey	Type / Masonry / Mixed Type)	Type of Building (RCC / ASSAM	Availability of Drawings of Facility (Y/N)	Whether Code compliance (YES/NO)	Remarks
1	Chamoli	Pandukeshwar	Block Josphimath	Power Generation	4	1975	452	1	Mixed Type	N	Yes		
2	Chamoli	Tharli	Block Tharli	Power Generation	4	1988	323	1	Mixed Type	N	Yes		
3	Nainital	Kotabagh	Block Kotabagh	Power Generation	4	1990	550	1	Mixed Type	N	Yes		
4	Pithoragarh	Chharandev	Block Munakot	Power Generation	5	2000	360	1	Mixed Type	N	Yes		
5	Chamoli	Bedrinath-2	Block Josphimath	Power Generation	6	2001	339	1	Mixed Type	N	No		
6	Dehradun	UREDA Headquarters	Patel Nagar, Dehradun	Official Use	35	2004	600	2	Mixed Type	N	Yes		
7	Pithoragarh	Railagarh	Block Dharchula	Power Generation	5	2004	300	1	Mixed Type	Y	Yes		
Priority List 1													No

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