

**Identified list of Sites on Canals in Uttarakhand for Power Generation
Analysis, Gross Potential Estimation and Calculations for all Surveyed Sites**

Sl. No	Location No.	Site Name	Name of Canal	Village/Habitation Name	Block	District	Date of survey	Observed Discharge on survey day (cumecs)	Gross Head on survey day (m)	Gross Potential (KW) on the basis of observed discharge (kW)	Width of canal (m)	75% Dependable discharge from Long term Data (cumecs)	Calculated Potential (kW) on the basis of long term discharge data	Water Availability in Canal (No of Days in a Year)	Expected Annual Generation (kWH)	Use of Water at Sites	Distance from Grid Inter-connection point transformer substation)
1	DDBU01	Bullawala Canal Fall-01	Bullawala	Bullawala	Doiwala	Dehradun	17-05-2016	0.22	1	1.29	1.1	0.54	3.15	365	27585.33	Irrigation	< 0.8 km
2	DDJA01	Jakhan Canal Fall-01	Jakhan	Nauratuwala	Doiwala	Dehradun	13-08-2015	0.21	1.6	1.98	1.45	0.34	3.2	300	23054.28	Irrigation	<0.6 Km
3	DDJA02	Jakhan Canal Fall-02	Jakhan	Sarangdharwala	Doiwala	Dehradun	13-08-2015	0.19	0.5	0.56	1.41	0.34	1	300	7204.46	Irrigation	<0.5 Km
4	DDJA03	Jakhan Canal Fall-03	Jakhan	Sarangdharwala	Doiwala	Dehradun	13-08-2015	0.27	2.5	3.97	1.48	0.34	5	300	36022.32	Irrigation	<0.5 Km
5	DDJA04	Jakhan Canal Fall-04	Jakhan	Sarangdharwala	Doiwala	Dehradun	13-08-2015	0.23	0.9	1.22	1.45	0.34	1.8	300	12968.04	Irrigation	<0.5 Km
6	DDJA05	Jakhan Canal Fall-05	Jakhan	Sarangdharwala	Doiwala	Dehradun	13-08-2015	0.2	2.3	2.71	1.35	0.34	4.6	300	33140.53	Irrigation	<0.5 Km
7	DDJA06	Jakhan Canal Fall-06	Jakhan	Sarangdharwala	Doiwala	Dehradun	13-08-2015	0.2	0.7	0.82	1.42	0.34	1.4	300	10086.25	Irrigation	<0.5 Km
8	DDJA07	Jakhan Canal Fall-07	Jakhan	Sarangdharwala	Doiwala	Dehradun	13-08-2015	0.13	0.7	0.54	1.4	0.34	1.4	300	10086.25	Irrigation	<0.5 Km
9	DDRA01	Ranipokhari Canal Fall-01	Ranipokhari	Telpura	Doiwala	Dehradun	06-08-2015	0	1	0	1	0.26	1.53	180	6611.16	Irrigation	<0.5 Km
10	DDRA02	Ranipokhari Canal Fall-02	Ranipokhari	Telpura	Doiwala	Dehradun	06-08-2015	0	0.7	0	1	0.26	1.07	180	4627.81	Irrigation	<0.5 Km
11	DDRA03	Ranipokhari Canal Fall-03	Ranipokhari	Telpura	Doiwala	Dehradun	06-08-2015	0	2.75	0	1	0.26	4.21	180	18180.68	Irrigation	<0.5 Km
12	DDRA04	Ranipokhari Canal Fall-04	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0.085	3.7	1.85	1	0.26	5.66	180	24461.27	Irrigation	<0.5 Km
13	DDRA05	Ranipokhari Canal Fall-05	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0.3	0.85	1.5	1	0.26	1.3	180	5619.48	Irrigation	<0.5 Km
14	DDRA06	Ranipokhari Canal Fall-06	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0.08	0.9	0.42	1	0.26	1.38	180	5950.04	Irrigation	<0.5 Km
15	DDRA07	Ranipokhari Canal Fall-07	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0.08	0.6	0.28	1	0.26	0.92	180	3966.69	Irrigation	<0.5 Km
16	DDRA08	Ranipokhari Canal Fall-08	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0.068	2.4	0.96	1	0.26	3.67	180	15866.77	Irrigation	<0.5 Km
17	DDRA09	Ranipokhari Canal Fall-09	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0.051	1.3	0.39	1	0.26	1.99	180	8594.5	Irrigation	<0.5 Km
18	DDRA10	Ranipokhari Canal Fall-10	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0.068	1.7	0.68	1	0.26	2.6	180	11238.96	Irrigation	<0.5 Km
19	DDRA11	Ranipokhari Canal Fall-11	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0	1.8	0	1	0.26	2.75	180	11900.08	Irrigation	<0.5 Km
20	DDRA12	Ranipokhari Canal Fall-12	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0	0.6	0	1	0.26	0.92	180	3966.69	Irrigation	<0.5 Km
21	DDRA13	Ranipokhari Canal Fall-13	Ranipokhari	Telpura	Doiwala	Dehradun	07-08-2015	0	3	0	1	0.26	4.59	180	19833.47	Irrigation	<0.5 Km
22	DDRA14	Ranipokhari Canal Fall-14	Ranipokhari	Ranipokhari	Doiwala	Dehradun	07-08-2015	0	0.6	0	1.1	0.26	0.92	180	3966.69	Irrigation	<0.5 Km
23	DDRA15	Ranipokhari Canal Fall-15	Ranipokhari	Ranipokhari	Doiwala	Dehradun	07-08-2015	0	0.9	0	1.1	0.26	1.38	180	5950.04	Irrigation	<0.5 Km
24	DDRA16	Ranipokhari Canal Fall-16	Ranipokhari	Ranipokhari	Doiwala	Dehradun	14-08-2015	0.17	0.5	0.5	1	0.26	0.77	180	3305.58	Irrigation	<0.5 Km
25	DDJH01	Jhilwala Canal Fall-01	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0.5	0.9	2.65	1	0.31	1.64	180	7094.28	Irrigation	<0.5 Km
26	DDJH02	Jhilwala Canal Fall-02	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0.64	1	3.77	1.3	0.31	1.82	180	7882.53	Irrigation	<0.5 Km
27	DDJH03	Jhilwala Canal Fall-03	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0.62	0.6	2.19	1.25	0.31	1.09	180	4729.52	Irrigation	<0.5 Km
28	DDJH04	Jhilwala Canal Fall-04	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0	1.5	0	1.3	0.31	2.74	180	11823.8	Irrigation	<0.5 Km
29	DDJH05	Jhilwala Canal Fall-05	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0	0.5	0	1.3	0.31	0.91	180	3941.27	Irrigation	<0.5 Km
30	DDJH06	Jhilwala Canal Fall-06	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0	0.5	0	1.3	0.31	0.91	180	3941.27	Irrigation	<0.5 Km
31	DDJH07	Jhilwala Canal Fall-07	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0	2.5	0	1.2	0.31	4.56	180	19706.33	Irrigation	
32	DDJH08	Jhilwala Canal Fall-08	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0	1	0	1.3	0.31	1.82	180	7882.53	Irrigation	
33	DDJH09	Jhilwala Canal Fall-09	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0	0.9	0	1.2	0.31	1.64	180	7094.28	Irrigation	
34	DDJH10	Jhilwala Canal Fall-10	Jhilwala	Bishangarh	Doiwala	Dehradun	14-08-2015	0	1.1	0	1.3	0.31	2.01	180	8670.78	Irrigation	100 m
35	DVPR01	Prithvipur Canal Fall-01	Prithvipur	Prithvipur	Vikash Nagar	Dehradun	19-08-2015	0.91	1.8	9.64	3.1	2.27	24.05	290	167389.36	Irrigation	

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36	DVDH01	Dhakrani Fall-01	Dhakrani	Ambadi	Vikash Nagar	Dehradun	22-07-2015	1	3	17.66	0.9	0.99	17.48	275	115377.37	Irrigation	
37	DVDH02	Dhakrani Fall-02	"	Nawabgarh	Vikash Nagar	Dehradun	22-07-2015	0.45	2	5.3	1.8	0.99	11.65	275	76918.25	Irrigation	
38	DVRD01	Rudrapur Fall-01	Rudrapur	Rudrapur	Vikash Nagar	Dehradun	04-09-2015	0.144	1.3	1.1	0.6	0.2	1.53	210	7713.01	Irrigation	
39	DVRD02	Rudrapur Fall-02	Rudrapur	Rudrapur	Vikash Nagar	Dehradun	04-09-2015	0.12	1.6	1.13	1	0.2	1.88	210	9492.94	Irrigation	
40	DVRD03	Rudrapur Fall-03	Rudrapur	Rudrapur	Vikash Nagar	Dehradun	04-09-2015	0.162	1.55	1.48	0.9	0.2	1.82	210	9196.29	Irrigation	
41	DVRD04	Rudrapur Fall-04	Rudrapur	Rudrapur	Vikash Nagar	Dehradun	04-09-2015	0.162	4.9	4.67	0.9	0.2	5.77	210	29072.13	Irrigation	
42	DSHO01	Horawala Fall-01	Horawala	Kotada	Sahaspur	Dehradun	04-09-2015	0.06	0.7	0.25	0.82	0.12	0.49	300	3559.85	Irrigation	
43	DSHO02	Horawala Fall-02	Horawala	Rajoli	Sahaspur	Dehradun	04-09-2015	0.04	1.55	0.36	0.8	0.12	1.09	300	7882.53	Irrigation	
44	DRSF01	S.F. Fall-01	Sahastradhara Feeder	Khriman Singh	Raipur	Dehradun	28-08-2015	3.04	1.6	28.63	1.54	0.34	3.2	300	23054.28	Irrigation	
45	DRSF02	S.F. Fall-02	"	Khriman Singh	Raipur	Dehradun	28-08-2015	2.55	2.5	37.52	1.55	0.34	5	300	36022.32	Irrigation	
46	DRSF03	S.F. Fall-03	"	Khriman Singh	Raipur	Dehradun	28-08-2015	3.12	1	18.36	2.4	0.34	2	300	14408.93	Irrigation	
47	DRSF04	S.F. Fall-04	"	Reniwala	Raipur	Dehradun	28-08-2015	1.8	1.3	13.77	1.54	0.34	2.6	300	18731.61	Irrigation	
48	DRKA01	Kalanga Fall-01	Kalanga	Astal	Raipur	Dehradun	28-08-2015	0.9	2.4	12.71	1.5	1.61	22.74	360	196503.87	Irrigation	
49	DRKA02	Kalanga Fall-02	Kalanga	Astal	Raipur	Dehradun	28-08-2016	0.9	0.8	4.24	1.5	1.61	7.58	360	65501.29	Irrigation	
50	DRKO01	Kolagarh Fall-01	Kolagarh	FRI Campus	Raipur	Dehradun	28-08-2015	0.23	0.7	0.95	1.4	NA	0.95	300	6823.05	Irrigation	
51	DRKO02	Kolagarh Fall-02	Kolagarh	FRI Campus	Raipur	Dehradun	28-08-2015	0.21	0.5	0.62	1.3	NA	0.62	300	4449.81	Irrigation	
52	DRKO03	Kolagarh Fall-03	Kolagarh	FRI Campus	Raipur	Dehradun	28-08-2015	0.23	0.5	0.68	1.4	NA	0.68	300	4873.6	Irrigation	
53	DRKO04	Kolagarh Fall-04	Kolagarh	FRI Campus	Raipur	Dehradun	28-08-2015	0.15	0.65	0.57	1.32	NA	0.57	300	4131.97	Irrigation	
54	UKBA01	Bahalla Canal Fall-01	Bahalla	Kharmasa	Kashipur	US Nagar	23-09-2015	0.42	0.6	1.48	17	NA	1.48	150	5339.78	Irrigation	
55	UKKU01	Kundeshwari Canal Fall-01	Kundeshwari	Bhim Nagar	Kashipur	US Nagar	23-09-2015	0.34	0.5	1	3.1	NA	1	150	3602.23	Irrigation	
56	UKKU02	Kundeshwari Canal Fall-02	Kundeshwari	Kundeshawari	Kashipur	US Nagar	23-09-2015	0.09	1	0.53	3.3	NA	0.53	150	1907.06	Irrigation	
57	UKKU03	Kundeshwari Canal Fall-03	Kundeshwari	Jaitpur Ghoshi	Kashipur	US Nagar	23-09-2015	0.2	1.1	1.29	2.1	NA	1.29	150	4661.71	Irrigation	
58	UKMA1	Mahadev Canal Fall-01	Mahadev	Colony	Kashipur	US Nagar	23-09-2015	0.52	0.7	2.14	6.5	NA	2.14	150	7713.01	Irrigation	
59	UKPG01	Peepal Gaon Canal Fall-01	Peepal Gaon	Barkheda Pandey	Kashipur	US Nagar	23-09-2015	1	0.7	4.12	1.85	NA	4.12	150	14832.72	Irrigation	
60	UJTM01	Tumariya Mukhya Canal Fall1	Tumariya Mukhya	Narainpur	Jashpur	US Nagar	22-09-2015	0.3	1.5	2.65	10	2.9	25.6	157	96476.25	Irrigation	
61	UJTM02	Tumariya Mukhya Canal Fall2	Tumariya Mukhya	Bhawanipur	Jashpur	US Nagar	22-09-2015	0.23	1.9	2.57	9.2	2.9	32.43	157	122203.25	Irrigation	
62	UJTM03	Tumariya Mukhya Canal Fall3	Tumariya Mukhya	Bhawanipur	Jashpur	US Nagar	22-09-2015	0.23	1.8	2.44	9.2	2.9	30.72	157	115771.5	Irrigation	
63	UJTM04	Tumariya Mukhya Canal Fall4	Tumariya Mukhya	Daduwalla	Jashpur	US Nagar	22-09-2015	0.23	1.8	2.44	9.2	2.9	30.72	157	115771.5	Irrigation	
64	UJTP01	Tumariya Prasar Canal Fall-01	Tumariya Prasar	Jaspur	Jashpur	US Nagar	22-09-2015	0.25	1	1.47	6.8	1.93	11.36	153	41713.85	Irrigation	
65	UJTP02	Tumariya Prasar Canal Fall-02	Tumariya Prasar	Manduakhera	Jashpur	US Nagar	22-09-2015	0.41	1.1	2.65	3.3	1.93	12.5	153	45885.23	Irrigation	
66	PDBK01	Bayi Kho Canal Fall-01	Bayi Kho	Kumbhichaur	Dugadda	Pauri	10-09-2015	0.64	0.52	1.96	1.6	0.38	1.16	266	7425.06	Irrigation	
67	PDBK02	Bayi Kho Canal Fall-02	Bayi Kho	Kumbhichaur	Dugadda	Pauri	10-09-2015	0.64	0.5	1.88	1.6	0.38	1.12	266	7139.48	Irrigation	

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68	PDBK03	Bayi Kho Canal Fall-03	Bayi Kho	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.31	0.54	0.99	1.3	0.38	1.21	266	7710.64	Irrigation	
69	PDBK04	Bayi Kho Canal Fall-04	Bayi Kho	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.39	0.5	1.15	1.5	0.38	1.12	266	7139.48	Irrigation	
70	PDBK05	Bayi Kho Canal Fall-05	Bayi Kho	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.35	0.6	1.24	1.3	0.38	1.34	266	8567.38	Irrigation	
71	PDBI01	Bishanpur Canal Fall-01	Bishanpur	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.28	0.7	1.15	1	0.25	1.03	242	5982.53	Irrigation	
72	PDBI02	Bishanpur Canal Fall-02	Bishanpur	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.28	0.8	1.32	1	0.25	1.18	242	6837.18	Irrigation	
73	PDBI03	Bishanpur Canal Fall-03	Bishanpur	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.28	0.8	1.32	1	0.25	1.18	242	6837.18	Irrigation	
74	PDBI04	Bishanpur Canal Fall-04	Bishanpur	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.28	0.8	1.32	1	0.25	1.18	242	6837.18	Irrigation	
75	PDBI05	Bishanpur Canal Fall-05	Bishanpur	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.28	0.8	1.32	1	0.25	1.18	242	6837.18	Irrigation	
76	PDBI06	Bishanpur Canal Fall-06	Bishanpur	Kumbhichaur	Dugadda	Pauri G.	10-09-2015	0.28	0.8	1.32	1	0.25	1.18	242	6837.18	Irrigation	
77	PDMF01	Malan Feeder Canal Fall-01	M.F.Canals	Kanvashram	Dugadda	Pauri G.	11-09-2015	4.83	0.65	18.48	2.5	1.4	5.36	317	40750.43	Irrigation	< 0.5 Km
78	PDDM01	Dayi Malan Canal Fall-01	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.16	0.8	5.46	2	0.41	1.93	317	14688.07	Irrigation	< 0.5 Km
79	PDDM02	Dayi Malan Canal Fall-02	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	0.74	0.8	3.48	2	0.41	1.93	317	14688.07	Irrigation	< 0.5 Km
80	PDDM03	Dayi Malan Canal Fall-03	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.23	0.7	5.07	2	0.41	1.69	317	12852.06	Irrigation	< 0.5 Km
81	PDDM04	Dayi Malan Canal Fall-04	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	0.74	1.1	4.79	2	0.41	2.65	317	20196.09	Irrigation	< 0.5 Km
82	PDDM05	Dayi Malan Canal Fall-05	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	0.98	0.8	4.61	2	0.41	1.93	317	14688.07	Irrigation	< 0.5 Km
83	PDDM06	Dayi Malan Canal Fall-06	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	0.98	2	11.54	2	0.41	4.83	317	36720.16	Irrigation	< 0.5 Km
84	PDDM07	Dayi Malan Canal Fall-07	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	0.74	1.9	8.28	2	0.41	4.59	317	34884.16	Irrigation	< 0.5 Km
85	PDDM08	Dayi Malan Canal Fall-08	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	0.74	1.9	8.28	2	0.41	4.59	317	34884.16	Irrigation	< 0.5 Km
86	PDDM09	Dayi Malan Canal Fall-09	Dayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.47	2.4	20.77	2	0.41	5.79	317	44064.2	Irrigation	< 0.5 Km
87	PDDM10	Dayi Malan Canal Fall-10	Dayi Malan	Bhimsinghpur	Dugadda	Pauri G.	11-09-2015	0.6	0.6	2.12	1.2	0.41	1.45	317	11016.05	Irrigation	< 0.5 Km
88	PDDM11	Dayi Malan Canal Fall-11	Dayi Malan	Bhimsinghpur	Dugadda	Pauri G.	11-09-2015	0.64	0.6	2.26	1.3	0.41	1.45	317	11016.05	Irrigation	< 0.5 Km
89	PDDM12	Dayi Malan Canal Fall-12	Dayi Malan	Bhimsinghpur	Dugadda	Pauri G.	11-09-2015	0.64	0.6	2.26	1.3	0.41	1.45	317	11016.05	Irrigation	< 0.5 Km
90	PDDM13	Dayi Malan Canal Fall-13	Dayi Malan	Bhimsinghpur	Dugadda	Pauri G.	11-09-2015	0.64	0.8	3.01	1.3	0.41	1.93	317	14688.07	Irrigation	
91	PDDM14	Dayi Malan Canal Fall-14	Dayi Malan	Bhimsinghpur	Dugadda	Pauri G.	11-09-2015	0.64	0.7	2.64	1.3	0.41	1.69	317	12852.06	Irrigation	
92	PDDM15	Dayi Malan Canal Fall-15	Dayi Malan	Bhimsinghpur	Dugadda	Pauri G.	11-09-2015	0.64	0.6	2.26	1.3	0.41	1.45	317	11016.05	Irrigation	
93	PDDM16	Dayi Malan Canal Fall-16	Dayi Malan	Bhimsinghpur	Dugadda	Pauri G.	11-09-2015	0.47	1	2.77	1.3	0.41	2.41	317	18360.08	Irrigation	
94	PDBM01	Bayi Malan Canal Fall-01	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
95	PDBM02	Bayi Malan Canal Fall-02	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
96	PDBM03	Bayi Malan Canal Fall-03	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
97	PDBM04	Bayi Malan Canal Fall-04	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
98	PDBM05	Bayi Malan Canal Fall-05	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
99	PDBM06	Bayi Malan Canal Fall-06	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
100	PDBM07	Bayi Malan Canal Fall-07	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
101	PDBM08	Bayi Malan Canal Fall-08	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
102	PDBM09	Bayi Malan Canal Fall-09	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	

Analysis, Gross Potential Estimation and Calculations for all Surveyed Sites

Sl. No	Location No.	Site Name	Name of Canal	Village/Habitation Name	Block	District	Date of survey	Observed Discharge on survey day (cumecs)	Gross Head on survey day (m)	Gross Potential (KW) on the basis of observed discharge (kW)	Width of canal (m)	75% Dependable discharge from Long term Data (cumecs)	Calculated Potential (kW) on the basis of long term discharge data	Water Availability in Canal (No of Days in a Year)	Expected Annual Generation (kWH)	Use of Water at Sites	Distance from Grid Inter-connection point transformer substation)
103	PDBM10	Bayi Malan Canal Fall-10	Bayi Malan	Kanvashram	Dugadda	Pauri G.	11-09-2015	1.64	1	9.65	1.7	0.93	5.47	295	38755.78	Irrigation	
104	PDBM11	Bayi Malan Canal Fall-11	Bayi Malan	Kanvashram	Dugadda	Pauri G.	12-09-2015	1.88	1.2	13.28	1.7	0.93	6.57	295	46506.93	Irrigation	
105	PDBM12	Bayi Malan Canal Fall-12	Bayi Malan	Kanvashram	Dugadda	Pauri G.	12-09-2015	1.88	1	11.07	1.7	0.93	5.47	295	38755.78	Irrigation	
106	PDBM13	Bayi Malan Canal Fall-13	Bayi Malan	Mawakot	Dugadda	Pauri G.	12-09-2015	1.88	0.6	6.64	1.7	0.93	3.28	295	23253.47	Irrigation	
107	PDBM14	Bayi Malan Canal Fall-14	Bayi Malan	Mawakot	Dugadda	Pauri G.	12-09-2015	1.88	1	11.07	1.7	0.93	5.47	295	38755.78	Irrigation	
108	PDBM15	Bayi Malan Canal Fall-15	Bayi Malan	Mawakot	Dugadda	Pauri G.	12-09-2015	1.88	1	11.07	1.7	0.93	5.47	295	38755.78	Irrigation	
109	PDBM16	Bayi Malan Canal Fall-16	Bayi Malan	Mawakot	Dugadda	Pauri G.	12-09-2015	1.88	1.5	16.6	1.7	0.93	8.21	295	58133.67	Irrigation	
110	PDBM17	Bayi Malan Canal Fall-17	Bayi Malan	Mawakot	Dugadda	Pauri G.	12-09-2015	1.88	1.2	13.28	1.7	0.93	6.57	295	46506.93	Irrigation	
111	PDBM18	Bayi Malan Canal Fall-18	Bayi Malan	Mawakot	Dugadda	Pauri G.	12-09-2015	4.23	1.7	42.33	1.7	0.93	9.31	295	65884.82	Irrigation	
112	PDBM19	Bayi Malan Canal Fall-19	Bayi Malan	Mawakot	Dugadda	Pauri G.	12-09-2015	0.77	0.9	4.08	1.4	0.93	4.93	295	34880.2	Irrigation	
113	PDBM20	Bayi Malan Canal Fall-20	Bayi Malan	Mawakot	Dugadda	Pauri G.	12-09-2015	0.77	0.8	3.63	1.4	0.93	4.38	295	31004.62	Irrigation	
114	PDSU01	Sukharo Canal Fall-01	Sukhro	Lalpur	Dugadda	Pauri G.	12-09-2015	0.35	0.7	1.44	1.5	0.23	0.95	352	8005.71	Irrigation	
115	PDSU02	Sukharo Canal Fall-02	Sukhro	Lalpur	Dugadda	Pauri G.	12-09-2015	0.36	0.6	1.27	1.6	0.23	0.81	352	6862.04	Irrigation	
116	PDSU03	Sukharo Canal Fall-03	Sukhro	Lalpur	Dugadda	Pauri G.	12-09-2015	0.38	0.6	1.34	1.6	0.23	0.81	352	6862.04	Irrigation	
117	NRSC01	Supply Channel Fall-01	Supply Channel	Canal Colony	Ramnagar	Nanital	24-09-2015	9	2	105.95	12	4.94	58.15	365	509426.24	Irrigation	
118	NRBE01	Belgarh Canal Fall-01	Belgarh	Karampur (Choi)	Ramnagar	Nanital	24-09-2015	1.5	1	8.83	1.5	0.68	4	335	32179.94	Irrigation	
119	NRBE02	Belgarh Canal Fall-02	Belgarh	Karampur (Choi)	Ramnagar	Nanital	24-09-2015	1.36	1.45	11.61	1.7	0.68	5.8	335	46660.91	Irrigation	
120	NRBE03	Belgarh Canal Fall-03	Belgarh	Karampur (Choi)	Ramnagar	Nanital	24-09-2015	1.17	1	6.89	1.95	0.68	4	335	32179.94	Irrigation	
121	NKUK01	Upper Kota Canal Fall-01	Upper Kota	Jalelia Gaja	Kotabagh	Nanital	25-09-2015	1.45	0.9	7.68	1.1	0.42	2.22	335	17888.26	Irrigation	
122	NKUK02	Upper Kota Canal Fall-02	Upper Kota	Pawalgarh	Kotabagh	Nanital	25-09-2015	0.33	0.5	0.97	1	0.42	1.24	335	9937.92	Irrigation	
123	NKUK03	Upper Kota Canal Fall-03	Upper Kota	Dhamar Devi	Kotabagh	Nanital	25-09-2015	1.03	0.6	3.64	1.25	0.42	1.48	335	11925.51	Irrigation	
124	NKUK04	Upper Kota Canal Fall-04	Upper Kota	Dhamar Devi	Kotabagh	Nanital	25-09-2015	0.41	0.6	1.45	1.25	0.42	1.48	335	11925.51	Irrigation	
125	NKUD01	Upper Dechauri Canal Fall-01	Upper Dechauri	Ranjeetpur	Kotabagh	Nanital	25-09-2015	0.6	1.7	6	0.9	0.34	3.4	320	26128.19	Irrigation	
126	NKUD02	Upper Dechauri Canal Fall-02	Upper Dechauri	Tog Khudaliya	Kotabagh	Nanital	25-09-2015	1.59	1	9.36	1	0.34	2	320	15369.52	Irrigation	
127	NKUD03	Upper Dechauri Canal Fall-03	Upper Dechauri	GangarampurRKE	Kotabagh	Nanital	25-09-2015	1.15	1.55	10.49	1.65	0.34	3.1	320	23822.76	Irrigation	
128	NKDM01	Dechauri Minor Canal Fall-01	Dechauri Minor	Pataliya	Kotabagh	Nanital	25-09-2015	0.38	1	2.24	0.95	NA	2.24	320	17177.7	Irrigation	
129	NKDM02	Dechauri Minor Canal Fall-02	Dechauri Minor	Pataliya	Kotabagh	Nanital	25-09-2015	0.27	0.9	1.43	0.92	NA	1.43	320	10984.68	Irrigation	
130	NKKD01	Kaladunghi Canal Fall-01	Kaladhungi	Roorkee WNo2	Kotabagh	Nanital	25-09-2015	1.6	1.4	13.18	1.6	1.25	10.3	335	82816.02	Irrigation	
131	NHGF01	Golawar Feedar Canal Fall-01	Golawar Feedar	Manpur Uttar	Haldwani	Nanital	25-09-2015	2.31	0.5	6.8	3.85	1.16	3.41	150	12289.97	Irrigation	
132	NHGF02	Golawar Feedar Canal Fall-02	Golawar Feedar	Manpur Uttar	Haldwani	Nanital	25-09-2015	2.3	0.6	8.12	3.84	1.16	4.1	150	14747.96	Irrigation	
133	NHGF03	Golawar Feedar Canal Fall-03	Golawar Feedar	Manpur Uttar	Haldwani	Nanital	25-09-2015	2.31	0.6	8.16	3.85	1.16	4.1	150	14747.96	Irrigation	
134	NHGF04	Golawar Feedar Canal Fall-04	Golawar Feedar	Haldwani Talli	Haldwani	Nanital	25-09-2015	1.6	0.7	6.59	4	1.16	4.78	150	17205.96	Irrigation	
135	NHGF05	Golawar Feedar Canal Fall-05	Golawar Feedar	Haldwani Talli	Haldwani	Nanital	25-09-2015	2.8	0.8	13.18	4	1.16	5.46	150	19663.95	Irrigation	

**Identified list of Sites on Canals in Uttarakhand for Power Generation
Analysis, Gross Potential Estimation and Calculations for all Surveyed Sites**

Sl. No	Location No.	Site Name	Name of Canal	Village/Habitation Name	Block	District	Date of survey	Observed Discharge on survey day (cumecs)	Gross Head on survey day (m)	Gross Potential (KW) on the basis of observed discharge (kW)	Width of canal (m)	75% Dependable discharge from Long term data (cumecs)	Calculated Potential (kW) on the basis of long term discharge data	Water Availability in Canal (No of Days in a Year)	Expected Annual Generation (kWh)	Use of Water at Sites	Distance from Grid Inter-connection point transformer substation)
136	NHGP01	Golapar Main Canal Fall-01	Golapar Main	Hanuman Garhi	Haldwani	Nanital	26-09-2015	1.85	4.7	51.18	2.1	1.98	54.78	300	394380.84	Irrigation	
137	NHGP02	Golapar Main Canal Fall-02	Golapar Main	Khera	Haldwani	Nanital	26-09-2015	2.77	0.8	13.04	2.1	1.98	9.32	300	67128.65	Irrigation	
138	NHGP03	Golapar Main Canal Fall-03	Golapar Main	Khera	Haldwani	Nanital	26-09-2015	1.9	1.8	20.13	2.15	1.98	20.98	300	151039.47	Irrigation	
139	NHPK01	Paschim Khera Canal Fall-01	Paschim Khera	Purvi Khera	Haldwani	Nanital	26-09-2015	0.88	0.5	2.59	1.55	NA	2.59	300	18646.85	Irrigation	
140	NHPK02	Paschim Khera Canal Fall-02	Paschim Khera	Paschim Khera	Haldwani	Nanital	26-09-2015	1.14	1.1	7.38	1.5	NA	7.38	300	53143.52	Irrigation	
141	NHGW01	Golapar Main Canal Fall-01	Golapar Main	G.B.Campus	Haldwani	Nanital	25-09-2015	3	0.5	8.83	10	2.01	5.92	150	21295.55	Irrigation	
142	NHETP01	CPP ETP Channel Fall-01	ETP Outlet Channel	Ghanshyamdhham	Haldwani	Nanital	05-04-2016	0.71	3	12.54	2.2	0.28	4.94	365	43311.54	-	
143	HBHRS00	HRS Canal Fall-00	IRI Canal	Bahadrabad	Bahadrabad	Haridwar	03-10-2015	0.67	1.4	5.52	5.5	2.3	18.95	300	136461.02	Irrigation	
144	HBHRS01	HRS Canal Fall-01	IRI Canal	Bahadrabad	Bahadrabad	Haridwar	03-10-2015	0.67	0.9	3.55	6.5	2.3	12.18	300	87724.94	Irrigation	
145	HBHRS02	HRS Canal Fall-02	IRI Canal	Bahadrabad	Bahadrabad	Haridwar	03-10-2015	0.44	0.85	2.2	4.2	2.3	11.51	300	82851.34	Irrigation	
146	HBHRS03	HRS Canal Fall-03	IRI Canal	Bahadrabad	Bahadrabad	Haridwar	03-10-2015	0.24	1.5	2.12	3.45	2.3	20.31	300	146208.24	Irrigation	
147	HBHRS04	HRS Canal Fall-04	IRI Canal	Bahadrabad	Bahadrabad	Haridwar	03-10-2015	0.18	1.4	1.48	1.8	1.4	11.54	300	83063.23	Irrigation	
148	HBHRS05	HRS Canal Fall-05	IRI Canal	Bahadrabad	Bahadrabad	Haridwar	03-10-2015	0.57	1.2	4.03	8.8	2.3	16.25	300	116966.59	Irrigation	
149	HBHRS06	HRS Canal Fall-06	IRI Canal	Bahadrabad	Bahadrabad	Haridwar	03-10-2015	0.76	2.4	10.74	5.56	2.3	32.49	300	233933.18	Irrigation	
150	HBSTP01	STP Outlet Fall-01	27 MLD STP Outlet	Jagjeetpur	Bahadrabad	Haridwar	06-11-2015	0.3	0.4	0.71	1	0.31	0.73	365	6393.61	-	
151	HBSTP02	STP Outlet Fall-02	18 MLD STP Outlet	Jagjeetpur	Bahadrabad	Haridwar	06-11-2015	0.2	0.6	0.71	0.7	0.21	0.74	365	6496.73	-	
152	RJLA01	Lastar Canal Fall-01	Lastar	Jakhawari	Jakholi	Rudraprayag	10-10-2015	0	0.8	0	1.3	0	0	183	0	Irrigation	
153	RJLA02	Lastar Canal Fall-02	Lastar	Kapaniya	Jakholi	Rudraprayag	10-10-2015	0	1	0	1.2	0	0	183	0	Irrigation	
Total expected annual generation from all 153 surveyed sites:													872.28	5618314.59			

Calculated on the basis of observed discharge due to non availability of long term discharge data.