

POWER TRANSMISSION CORPORATION OF UTTARAKHAND LIMITED
STATE LOAD DESPATCH CENTRE, RISHIKESH

Form 1

Monthly System Availability for Lines, Interconnecting Transformers &
Bus Reactors in Uttarakhand for the Month: June Financial year 2010-11

S.No. (a)	Particulars (b)	$\Sigma(AV)$ (c)	ΣW (d)	Availability (AV) (e) = (c)/(d)	No. (N) (f)	AV * No. (g) = (e)*(f)
1	Transmission Lines	312120.0181	313,212.85	0.996510897	72.00	71,748,784.57
2	ICTs	5097.843325	5,112.50	0.997133169	81.00	80,767,786.66
3	Bus reactor	100	100.00	1	3.00	3,000,000.00
4	For SVCs					
5	Total				156.00	155,516,571.2
6	System Availability [5(g)/ 5(f)]					0.996901098

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DGM(SO)

SLDC, PTCUL

RISHIKESH

DGM

State Load Despatch Centre

P.T.C.U.L.

Veer Bhadra Rishikesh (U.K.)

Power Transmission Corporation Of Uttarakhand Limited

State Load Dispatch Centre Rishikesh

Monthly Progress of Revival of Defective HT Shunt Capacitors of Uttarakhand

Month : June FY 2010-11

No.	Name of Division	Name of the substation	Sub Station	Installed Capacity as on 31.05.2010	Defective Capacitor as on 31.05.2010	Defective during June 2010	Defective Capacitor as on 30th June 2010	Defective Capacitor Revided during June 2010	Net Defective Capacitor Need Revival
I			400 KV						
1	ETD 400 KV RISHIKESH	400 KV Rishikesh s/s							
2	ETD 400 KV KASHIPUR	400 KV Kahipur s/s							
II		220 KV							
1	ETD CHAMBA	220 KV Chamba s/s							
2	ETD RISHIKESH	220 KV Rishikesh s/s		10					
3	ETD HALDWANI	220 KV Haldwani S/s		10					
4	ETD PANTNAGAR	220 KV Pantnagar s/s		20	10		10		
5	ETD SIDCUL HRD	220 KV SIDCUL s/s		20	10		10		10
6	ETD ROORKEE	220 KV Roorkee s/s							
III		132 KV							
1	ETD CHAMBA	132 KV Sri Nagar s/s		5					
2		132 KV Kashipur s/s		20	10		10		10
3		132 KV Bajpur s/s		10	10		10		10
4	ETD 132 KV KASHIPUR	132 KV Jaspur s/s							
5		132 KV Rannagar s/s							
6		132 KV Majra s/s		23.2					
7	ETD DEHRADUN	132 KV Bindal s/s		10					
8		132 KV Purukul s/s		10					
9		132 KV Haldwani S/S							
10	ETD HALDWANI	132 KV Bhawali S/S		5					
11		132 KV Almora s/s		5					
12	ETD ALMORA	132 KV Pithoragarh s/s							
13		132 KV Ranikhet s/s							
14		132 KV Kichha s/s		10	5		5		5
15	ETD PANTNAGAR	132 KV Rudrapur s/s							
16		132 KV Sitarganj s/s							
17		132 KV Jwalapur s/s		25					
18	ETD SIDCUL HRD	132 KV Bhoopatwala s/s		10					
19		132 KV Kordwar s/s		10					
20		132 KV Bhagwanpur s/s							
21		132 KV Roorkee s/s		30	5		5		5
22	ETD ROORKEE	132 KV Laksar s/s							
23		132 KV Manglour s/s							
31		Total for Sub-Stations		233.2	50		40		40

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SLDC-RISHIKESH

Power Transmission Corporation Of Uttarakhand Limited
State Load Dispatch Centre Rishikesh

Month : June FY 2010-11

No.	Name of Division	Name of the substation	Installed Capacity as on 31.05.2010	New Capacitors Required as on 31.03.2010	Capacitor Added Upto 30th June 2010	Balanced Capacitors to be added during 2010-11	Total Capacitor installed as on 30th June 2010
		Sub Station					
I		400 KV					
1	ETD 400 KV RISHIKESH	400 KV Rishikesh s/s					
2	ETD 400 KV KASHIIPUR	400 KV Kashiipur s/s					
II		220 KV					
1	ETD CHAMBA	220 KV Chamba s/s					
2	ETD RISHIKESH	220 KV Rishikesh s/s	10				
3	ETD HALDWANI	220 KV Haldwani S/s	10				
4	ETD PANTNAGAR	220 KV Pantnagar s/s	20				
5	ETD SIDCUL HRD	220 KV SIDCUL s/s	20				
6	ETD ROORKEE	220 KV Roorkee s/s					
III		132 KV					
1	ETD CHAMBA	132 KV Sri Nagar s/s	5				
2		132 KV Kashipur s/s	20				
3		132 KV Baijpur s/s	10				
4	ETD 132 KV KASHIIPUR	132 KV Jaspur s/s					
5		132 KV Rammagar s/s					
6		132 KV Majra s/s	23.2				
7	ETD DEHRADUN	132 KV Bindal s/s	10				
8		132 KV Purukul s/s	10				
9		132 KV Haldwani S/S					
10	ETD HALDWANI	132 KV Bhawali S/S	5				
11		132 KV Almora s/s	5				
12	ETD ALMORA	132 KV Pithoragarh s/s					
13		132 KV Ranikhet s/s					
14		132 KV Kichha s/s	10				
15	ETD PANTNAGAR	132 KV Rudrapur s/s					
16		132 KV Sitaranj s/s					
17		132 KV Jwalapur s/s	25				
18	ETD SIDCUL HRD	132 KV Bhoopatwala s/s	10				
19		132 KV Koidwar s/s	10				
20		132 KV Bhagwanpur s/s					
21		132 KV Roorkee s/s					
22	ETD ROORKEE	132 KV Laksar s/s	30				
23		132 KV Manglour s/s					
31		Total for Sub-Stations	233.2	249	0	249	0

Shunt Capacitor Study

S. No.	PERIOD Sub-station	FY 2009-10		MONTH: JUNE					
		31/12/2009 Time:20:00	09/02/10 Time 06:00	03/06/10 Time 21:00	05/06/10 Time 03:00				
01	UTTARAKHAND DEMAND	MW	MVAR	MW	MVAR	MW	MVAR	MW	MVAR
1	400 KV Rishikesh	1397	MAX	518	MIN	1485	MAX	545	MIN
2	400 KV Kashipur	170.00	87.00	105.00	103.00	113.00	103.00	84.00	32.00
3	200 KV Pantnagar	300.00	30.00	Trip	Trip	200.00	80.00	50.00	30.00
4	200 KV Roorkee	226.00	95.00	55.00	18.00	211.00	99.00	121.00	36.00
5	200 KV Khodri	90.00	0.00	90.00	30.00	90.00	60.00	30.00	20.00
6	132 KV Laksar	-95.00	0.00	-75.00	0.00	-56.00	-30.00	-10.00	0.00
7	132 KV Manglaur	-8.00	-2.00	G.F.	G.F.	38.00	M/D	-35.00	M/D
8	132 KV Sitarganj	0.00	0.00	64.00	22.00	26.00	-2.30	5.00	0.30
9	132 KV Kalagarh	65.00	42.00	G.F.	G.F.	87.00	49.00	72.00	42.00
	Total :	14.00	2.00	40.00	10.00	1.00	1.00	26.00	6.00
		762.00	254.00	279.00	183.00	710.00	359.70	343.00	166.30

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