Status as on 02.12.2013

DETAILS OF FEEDERWISE EXPECTED LOAD RELIEF THROUGH AUTOMATIC UNDER-FREQUENCY RELAYS BASED LOAD-SHEDDING SCHEME
REGION – Northern Region
State: Delhi

Under-frequency Relays setting : 49.2 Hz.

S.No.	Name of Sub-station	Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks / constraints, if any, in
			Peak	Average			
1	220 kV Kashmiri gate	33KV Fountain Ckt-1	15.0	11.2	Functional	-	-
2	220 kV SOW	66 KV YAMUA VIHAR -1	50.2	37.4		-	-
3	220 kV SOW	66 KV YAMUA VIHAR -2	50.2	37.4		-	-
4	220 kV Pappankaln-1	66KV G-2 CKT-1	64.3	48		-	-
5	220 kV Pappankaln-1	66KV G-2 CKT-II	64.3	48		-	-
6	220 kV Shalimarbagh	33KV RANI BAGH -1	12.2	9.1		-	-
7	220 kV Shalimarbagh	33KV RANI BAGH -2	12.2	9.1		-	-
8	220 kV Parkstreet	33KV PRASAD NAGAR	28.6	21.3		-	-
		Total load relief	**296.9**	**221.5**			
		Required load relief	**258**				

Under-frequency Relays setting : 49.0 Hz.

S.No.	Name of Sub-station	Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making	Remarks / constraints, if any, in
			Peak	Average			
1	220 kV Kashmiri gate	11KV I.S.B.T. Flyover	1.6	1.2	Functional	-	-
2	220 kV Kashmiri gate	11KV New Kashmiri Gate	2.0	1.5		-	-
3	220 kV SOW	66 KV GHONDA -I	46.7	36		-	-
4	220 kV SOW	66 KV GHONDA -II	0.0	0.0		-	-
5	220 kV Geeta Colony	33KV KANTI NG.-I	10.8	8.3		-	-
6	220 kV Geeta Colony	33KV KANTI NG.-II	13.8	10.6		-	-

7	220 kV Patparganj	11 kV IDC	2.0	1.5	-	-
8	220 kV Patparganj	11KV COMMERCIAL	1.9	1.5	-	-
9	220 kV Najafgarh	11kVRama Park	1.9	1.4	-	-
10	220 kV Najafgarh	11kV Chhawala	7.0	5.4	-	-
11	220 kV Pappankaln-1	66KV binda pur-I	19.4	14.9	-	-
12	220 kV Pappankaln-1	66KV binda pur-II	19.4	14.9	-	-
13	220 kV Pappankaln-1	66KV G-6 CKT-I	0.0	0.0	-	-
14	220 kV Pappankaln-1	66KV G-6 CKT-II	0.0	0.0	-	-
15	220 kV Lodhi Road	11KV Institutional Area	1.9	1.4	-	-
16	220 kV Lodhi Road	11KV Defence colony Flyover	3.5	2.7	-	-
17	220 kV Lodhi Road	11KV Lodhi Cly.	0.9	0.7	-	-
18	220 kV Sarita Vihar	11KV ALLI VILLAGE	3.8	2.9	-	-
19	220 kV Sarita Vihar	11KV JAIT PUR	2.9	2.2	-	-
20	220 kV Sarita Vihar	11KV SARITA VHR-II	4.4	3.4	-	-
21	220 kV Gopalpur	11KV MUKHERGI NAGAR	0.0	0.0	-	-
22	220 kV Gopalpur	11KV B.P.N COL0Y	2.9	2.2	-	-
23	220 kV Gopalpur	11KV SHAH ALAM BANDH	3.3	2.5	-	-
24	220 kV Sabzimandi	33KV O/G B.G.Rd. 1	0.0	0.0	-	-
25	220 kV Sabzimandi	33KV O/G B.G.Rd. 2	18.8	14.5	-	-
26	220 kV Sabzimandi	11KV Narbada cold storage	0.9	0.7	-	-
27	220 kV Sabzimandi	11KV Subzi Mandi	0.0	0.0	-	-
28	220 kV Sabzimandi	11KV Tilak Chowk	0.0	0.0	-	-
29	220 kV Naraina	11kv Gopi nath bazar	0.0	0.0	-	-
30	220 kV Naraina	11kv naraina	3.4	2.6	-	-

31	220 kV Kanjhawala	11KV Punjab Khera	2.2	1.7		-	-
32	220 kV Kanjhawala	11kv O/H Rani khera	3.9	3.0		-	-
33	220 kV IP Station	33kv Exhibition -I	6.9	5.3		-	-
34	RPH	33KV Jama Maszid-1	0.0	0.0		-	-
35	RPH	33KV Jama Maszid-2	0.0	0.0		-	-
36	220 kV Masjid Moth	33 kV Balaji	OFF	OFF		-	-
37	220 kV Masjid Moth	33KV ALAKHNANDA	ON	ON		-	-
38	220 kV Narela	11kv U/G NARELA	3.9	3.0		-	-
39	220 kV Narela	11KV NARELA O/H	3.5	2.7		-	-
40	220 kV Narela	11KV DDA-4	1.0	0.8		-	-
41	220 kV Narela	11kv DDA-5	0.9	0.7		-	-
42	220 kV Narela	11kv DSIDC	0.0	0.0		-	-
43	220 kV Narela	11kv BAWANA	1.9	1.5		-	-
44	220 kV Shalimarbagh	33KV SMB KHOSLA U/G-1	13.2	10.2		-	-
45	220 kV Shalimarbagh	11KV VILLAGE BADLI-2	2.1	1.6		-	-
46	220 kV Shalimarbagh	11KV 10- B SMB	2.1	1.6		-	-
47	220 kV Rohini	11KV O/H HYD. DISP.	1.4	1.1		-	-
48	220 kV Vasant Kunj	66KV RIDGE VALLEY-I	0.0	0.0		-	-
49	220 kV Vasant Kunj	66KV RIDGE VALLEY-II	0.0	0.0		-	-
50	220 kV Vasant Kunj	11KV RANGPURI	2.9	2.2		-	-
51	220 kV Vasant Kunj	11KV NANGAL DAIRY	0.1	0.1		-	-
52	220 kV Okhla	66KV OKHLA-I	44.4	34.1		-	-
53	220 kV Okhla	66KV OKHLA-II	44.4	34.1		-	-
54	220 kV Mehrauli	66KV VASANT KUNJ D-I	0.0	0.0		-	-
55	220 kV Mehrauli	66KV VASANT KUNJ D-II	0.0	0.0		-	-
56	220 kV Parksteet	66KV RIDGE VALLEY-1	25.1	19.3		-	-
57	220 kV Parksteet	66KV RIDGE VALLEY-2	18.9	14.5		-	-
58	220 kV Gazipur	11KV FISH MKT.-I	0.2	0.2		-	-
59	220 kV Gazipur	11KV FISH MKT.-II	1.2	0.9		-	-
		Total load relief	**352.9**	**271.6**			

		Required load relief	**259**				

Under-frequency Relays setting : 48.8 Hz.

S.No.	**Name of Sub-station**	**Particulars of feeder**	**Load Relief (MW)**		**UFR (Functional or Non-functional)**	**Target date for making if not yet functional**	**Remarks / constraints, if any, in**
			Peak	**Average**			
1	220 kV Kashmiri gate	11KV Mahavir icefactory	3.0	2.4	Functional	-	-
2	220 kV Kashmiri gate	11KV G.P.O.	2.2	1.7		-	-
3	220 kV Geeta colony	33KV SHAKAR PUR	8.7	7.0		-	-
4	220 kV Patparganj	33KV GURU ANGAD NG.-I	20.3	16.2		-	-
5	220 kV Patparganj	33KV GURU ANGAD NG.-II	17.1	13.7		-	-
6	220 kV Najafgarh	11kv Nangli Sakarwati	4.3	3.4		-	-
7	220 kV Najafgarh	11kV Deenpur	3.7	3.0		-	-
8	220 kV Najafgarh	11kv TP KOTLA	3.7	3.0		-	-
9	220kV Pappankaln-1	11KV PP-1	1.9	1.6		-	-
10	220kV Pappankaln-1	11KV MAHA LUXMI	3.1	2.5		-	-
11	220kV Pappankaln-1	11KV MANGALPURI	3.9	3.1		-	-
12	220 kV Lodhi Road	33KV nizamuddin	11.1	8.9		-	-
13	220 kV Lodhi Road	33KV J.L.N. Stadium	0.0	0.0		-	-
14	220 kV Sarita Vihar	66KV MATHURA ROAD-II	22.0	17.6		-	-
15	220 kV Sarita Vihar	11KV SARITA VIHAR -I	2.5	2.0		-	-
16	220 kV Subjimandi	33KV O/G Tripolia	18.8	15.0		-	-
17	220 kV Subjimandi	11KV Bara Hindu Rao(P.S.)	B/D	0.0		-	-
18	220 kV Naraina	33KV Rewari line-I	23.3	18.6		-	-
19	220 kV Kanjhawala	11kv ABC Kanjhawala	3.6	2.9		-	-

20	220 kV Kanjhawala	11kv S.O.S. Bawana	0.1	0.1		-	-
21	220 kV IP Station	33kv Exhibition -2	15.7	12.6		-	-
22	RPH	33 kV Civil Line-1		0.0		-	-
23	RPH	33 kV Lahori Gate-1		0.0		-	-
24	220 kV Masjid Moth	33 kV Pushpa Vihar	13.1	10.5		-	-
25	400 kV Mundka	66KV Ghevra	ON	0.0		-	-
26	220 kV Narela	66KV Badli-I CKT-I	33.3	26.6		-	-
27	220 kV Narela	66KV Badli-II CKT-I	33.3	26.6		-	-
28	220 kV Rohini	66 kV Rohini-VI CKT-I	0.0	0.0		-	-
29	220 kV Rohini	66 kV Rohini-VI CKT-II	0.0	0.0		-	-
30	220 kV Vasant Kunj	11KV AB Hotel KUNJ S/S 5	1.4	1.1		-	-
31	220 kV Vasant Kunj	11KV C9 VASANT Kunj S/S 2	0.6	0.4		-	-
32	220 kV Vasant Kunj	11 kV C9 Vasan Kunj S/S	0.9	0.7		-	-
33	220 kV Vasant Kunj	11 kV C8 Vasan Kunj S/S -1	0.7	0.5		-	-
34	220 kV Okhla	66 kV Malviya NGR-II	24.4	19.5		-	-
35	220 kV Okhla	33 kV Alaknanda-I	12.8	10.2		-	-
36	220 kV Okhla	66KV Malviya NGR-I	24.4	19.5		-	-
37	220 kV Mehrauli	66KV VASANT KUNJ C-I	17.9	14.3		-	-
38	220 kV Mehrauli	66KV VASANT KUNJ C-II	17.4	13.9		-	-
39	220 kV Parksteet	33KV SHANKAR ROAD	26.3	21.0		-	-
40	220 kV Gazipur	66KV VIVEK VIHAR-I	0.0	0.0		-	-
41	220 kV Gazipur	66KV VIVEK VIHAR-II	53.0	42.4		-	-
Total load relief			**428.5**	**342.5**			
Required load relief			**262.0**				

Under-frequency Relays setting : 48.6 Hz.

S.No.	**Name of Sub-station**	**Particulars of feeder**	**Load Relief (MW)**		**UFR (Functional or Non-functional)**	**Target date for making if not yet functional**	**Remarks / constraints, if any, in**
			Peak	**Average**			
1	220 kV Kashmiri gate	33KV Lohori Gate	20.0	17.4	Functional	-	-
2	220 kV Kashmiri gate	11KV Hamilton Road	2.4	2.1		-	-

3	220 kV Kashmiri gate	11KV Bela Road	0.8	0.7	-	-
4	220 kV SOW	66 KV SHASTRI PARK-I	41.0	35.7	-	-
5	220 kV SOW	66 KV SHASTRI PARK-II	29.6	25.8	-	-
6	220 kV Geeta Colony	33KV GEETA CLY-I	15.3	13.3	-	-
7	220 kV Geeta Colony	33KV GEETA CLY-II	28.1	24.5	-	-
8	220 kV Patparganj	33KV CBD	32.6	28.3	-	-
9	220 kV Patparganj	11KV SHAKARPUR	2.8	2.4	-	-
10	220 kV Patparganj	11KV PREET VHR	1.4	1.2	-	-
11	220 kV Najafgarh	66kv jaffar pur -I	6.7	5.8	-	-
12	220 kV Najafgarh	66KV jaffar pur -II	26.6	23.1	-	-
13	220 kV Pappankaln-1	66KV REWARI LINE	46.0	40.0	-	-
14	220 kV Pappankaln-1	11KV NSIT	2.1	1.9	-	-
15	220 kV Pappankaln-1	11KV PP-II	1.9	1.7	-	-
16	220 kV Pappankaln-1	11KV BENGALI CLY		0.0	-	-
17	220 kV Lodhi Road	33KV Defence colony-II	25.5	22.2	-	-
18	220 kV Sarita Vihar	11KV S/STN-22	0.4	0.3	-	-
19	220 Gopalpur	33KV AZADPUR-1	21.5	18.7	-	-
20	220 Gopalpur	33KV AZADPUR-2	21.5	18.7	-	-
21	220 kV Subjimandi	33 KVO/G Sahazada bagh-2	10.3	8.9	-	-
22	220 kV Subjimandi	11KV Prag Ice Fectory	3.4	3.0	-	-
23	220 kV Naraina	33KV Payal	23.3	20.3	-	-
24	220 kV Naraina	11KV A BLKshop. Complex	2.2	1.9	-	-
25	220 kV Kanjhawala	11KV U/G Kanjhwala	4.2	3.7	-	-
26	220 kV Kanjhawala	11kv O/H Kanjhawala	3.6	3.1	-	-
27	220 kV IP Station	33KV BAY-24	11.4	9.9	-	-
28	RPH	33KV TOWN HALL-1		0.0	-	-

29	RPH	33KV TOWN HALL-2		0.0		-	-
30	220 kV Masjid Moth	33KV SHIVALIK	31.4	27.3		-	-
31	400 kV Mundka	66KV MANGOLPURI	49.0	42.6		-	-
32	220 kV Ridge Valley	66KV Incomer-I	58.0	50.4		-	-
33	220 kV Narela	66KV BHALASWA-I	47.1	41.0		-	-
34	220 kV Narela	66KV BHALASWA-II	47.1	41.0		-	-
35	220 kV Shalimarbagh	33KV SMB Facility Centre	9.7	8.4		-	-
36	220 kV Shalimarbagh	11KV KU PPR	1.7	1.5		-	-
37	220 kV Rohini	66KV ROHINI -24 CKT.I	29.9	26.0		-	-
38	220 kV Rohini	66KV ROHINI -24 CKT.II	29.9	26.0		-	-
39	220 kV DSIDC Bawana	66KV NARELA-1	28.0	24.3		-	-
40	220 kV DSIDC Bawana	66KV NARELA-2	28.0	24.3		-	-
41	220 kV Vasant Kunj	66KV VASANT KUNJ C-I	46.0	40.0		-	-
42	220 kV Vasant Kunj	66KV VASANT KUNJ C-II	47.1	41.0		-	-
43	220 kV Okhla	33KV OKHLA-I	24.4	21.2		-	-
44	220 kV Okhla	33KV OKHLA-II	16.1	14.0		-	-
45	220 kV Mehrauli	66KV MALVIYA NAGAR-I	41.9	36.4		-	-
46	220 kV Mehrauli	66KV MALVIYA NAGAR-II	49.1	42.7		-	-
47	220 kV Parkstreet	33KV MOTIA KHAN-1	0.0	0.0		-	-
48	220 kV Parkstreet	33KV MOTIA KHAN-2	9.1	8.0		-	-
49	220 kV Gazipur	66KV KONDLI-I	36.0	31.3		-	-
50	220 kV Gazipur	66KV KONDLI-II	34.0	29.6		-	-
51	220 kV Gazipur	11KV TELCO-I	0.0	0.0		-	-
52	220 kV Gazipur	11KV TELCO-II	0.2	0.1		-	-
Total load relief			**1048.5**	**911.7**			
Required load relief			**263**				

DELHI	**Load Relief (MW)**	**Targeted Load Relief (MW)**	**% Load Relief implemented w.r.t. Target load Relief**

1	**Total Load relief at frequency 49.2Hz**	**296.9**	258.0	**115.1**
2	**Total Load relief at frequency 49.0Hz**	**352.9**	259.0	**136.2**
3	**Total Load relief at frequency 48.8Hz**	**428.5**	262.0	**163.6**
4	**Total Load relief at frequency 48.6Hz**	**1048.5**	263.0	**398.7**
5	**Total Load releif at flat frequency**	**2126.9**	1042.0	**204.1**

Status as on 02.12.2013

DETAILS OF FEEDERWISE EXPECTED LOAD RELIEF THROUGH AUTOMATIC UNDER-FREQUENCY RELAYS BASED LOAD-SHEDDING SCHEME

REGION – Northern Region

State: Rajasthan

Under-frequency Relays setting : 49.2 Hz.

S.No.	NAME OF SUB STATION		Feeder Voltage level (kV)	Particulars of feeder	Load Relief (MW)		UFR FUNCTIONAL /NOT FUNCTIONAL	TARGET DATE FOR MAKING UFR FUNCTIONAL, IF NOT YET FUNCTIONAL	Remarks / constraints, if any, in
					Peak	Average			
1	132/33 kV	ANOOPGARH	33 kV	10-A	4.5	3.0	FUNCTIONAL	-	-
			33 kV	RAMSINGPUR	4.5	3.0	FUNCTIONAL	-	-
2	132/33 kV	BADI SADRI	33 kV	SATOLA	3.5	2.5	FUNCTIONAL	-	-
			33 kV	BAMBORI	4.5	3.0	FUNCTIONAL	-	-
			33 kV	PIND BHANUJA	10.2	8.0	FUNCTIONAL	-	-
			33 kV	BANSI	6.9	5.0	FUNCTIONAL	-	-
3	132/33 kV	BAGAR	33 kV	BAGAR	4.5	3.0	FUNCTIONAL	-	-
			33 kV	ALIPUR	8.0	6.5	FUNCTIONAL	-	-
			33 kV	MAKHAR	2.8	2.0	FUNCTIONAL	-	-
			33 kV	KALI PAHARI	2.8	2.0	FUNCTIONAL	-	-
								-	-
4	132/33 kV	BAGOT	33 kV	BAGOT	2.9	2.0	FUNCTIONAL	-	-
			33 kV	ROHINDI	5.9	4.0	FUNCTIONAL	-	-
			33 kV	PEELWA	3.4	3.0	FUNCTIONAL	-	-
			33 kV	HARNAWA	0.0	0.0	FUNCTIONAL	-	-
			33 kV	GULAR	1.4	1.0	FUNCTIONAL	-	-
								-	-
5	220/132/ 33kV	BALOTRA	33 kV	ASOTRA	11.4	9.0	FUNCTIONAL	-	-
			33 kV	PACHPADRA	2.3	2.0	FUNCTIONAL	-	-
			33 kV	BUDIWARA	9.1	7.5	FUNCTIONAL	-	-
			33 kV	I/A	11.4	10.0	FUNCTIONAL	-	-
			33 kV	BALOTRA CITY	5.4	4.0	FUNCTIONAL	-	-
								-	-
6	220/132/ 33kV	BHADRA	33 kV	CHHANI	10.0	8.0	FUNCTIONAL	-	-
			33 kV	KIRADA	10.0	8.0	FUNCTIONAL	-	-
			33 kV	GOGAMEDI	1.5	1.0	FUNCTIONAL	-	-
								-	-
7	132/33 kV	BHARATPUR	33 kV	COMPANY BAGH	13.0	11.0	FUNCTIONAL	-	-
			33 kV	HEERA DAS	13.7	11.0	FUNCTIONAL	-	-
			33 kV	CHAMBAL W/W	0.5	0.2	FUNCTIONAL	-	-
			33 kV	UCHAIN	13.0	10.5	FUNCTIONAL	-	-
			33 kV	AJAN	3.5	2.0	FUNCTIONAL	-	-
								-	-
8	220/132/ 33kV	BIDASAR	33 kV	MIGSARIA	8.0	6.0	FUNCTIONAL	-	-
			33 kV	DHANERU	9.1	7.5	FUNCTIONAL	-	-
			33 kV	BERASAR	7.1	5.5	FUNCTIONAL	-	-
			33 kV	NANDIATAL	4.6	3.0	FUNCTIONAL	-	-
								-	-
9	220/132 kV	DAUSA	132 kV	BANDIKUI	35.0	27.0	FUNCTIONAL	-	-
			132 kV	LALSOT	63.0	55.0	FUNCTIONAL	-	-
								-	-
10	132/33 kV	JHUNJHUNU	33 kV	MANDAWA	2.5	1.5	FUNCTIONAL	-	-
			33 kV	LUTTU	10.0	8.0	FUNCTIONAL	-	-
			33 kV	KHAJHUR	2.5	1.5	FUNCTIONAL	-	-
			33 kV	LALPUR	8.0	6.0	FUNCTIONAL	-	-
								-	-
11	132/33 kV	KEKRI	33 kV	KADERA	1.8	1.0	FUNCTIONAL	-	-
			33 kV	KALERA	2.3	1.5	FUNCTIONAL	-	-
			33 kV	SARWAD	5.0	3.5	FUNCTIONAL	-	-
			33 kV	SANWAR	8.8	6.5	FUNCTIONAL	-	-
								-	-

12	132/33 kV	KUCHAMAN	33 kV	JILIYA	7.0	5.5	FUNCTIONAL	-	-
			33 kV	NIMOD	8.0	6.0	FUNCTIONAL	-	-
			33 kV	BHANWATA	10.0	8.0	FUNCTIONAL	-	-
			33 kV	PANCHWA	11.4	9.5	FUNCTIONAL	-	-
			33 kV	ROOPRA	2.5	2.0	FUNCTIONAL	-	-
			33 kV	KUCHAMAN	9.8	8.0	FUNCTIONAL	-	-
								-	-
13	132/33 kV	MERTA	33 kV	BHANAS	3.5	2.5	FUNCTIONAL	-	-
			33 kV	JAS NAGAR	10.0	8.0	FUNCTIONAL	-	-
			33 kV	MUNGDORA	11.2	8.5	FUNCTIONAL	-	-
			33 kV	INDAWAR	10.2	8.0	FUNCTIONAL	-	-
			33 kV	MERTA ROAD	7.6	6.0	FUNCTIONAL	-	-
			33 kV	SIRSLE	8.2	6.5	FUNCTIONAL	-	-
			33 kV	NOLASAR	12.8	10.0	FUNCTIONAL	-	-
								-	-
14	132/33 kV	MOLASAR	33 KV	JAITPURA	6.0	4.0	FUNCTIONAL	-	-
			33 KV	DHANKOLI	6.9	5.0	FUNCTIONAL	-	-
			33 KV	MOLASAR	5.7	4.0	FUNCTIONAL	-	-
								-	-
15	220/132 kV	NAGAUR	132 kV	MUNDWA	45.0	35.0	FUNCTIONAL	-	-
			132 kV	LADNOO	45.0	37.0	FUNCTIONAL	-	-
								-	-
16	132/33 kV	NEWAI	33 kV	JHILAI	6.6	4.5	FUNCTIONAL	-	-
			33 kV	LALSOT	14.7	12.0	FUNCTIONAL	-	-
								-	-
17	220/132/ 33 kV	PHULERA	33 kV	JOBNER	3.0	2.0	FUNCTIONAL	-	-
			33 kV	DUDU	12.0	10.0	FUNCTIONAL	-	-
			33 kV	SAMBHAR LAKE	3.0	2.0	FUNCTIONAL	-	-
			33 kV	BALAJI	12.0	10.0	FUNCTIONAL	-	-
			33 kV	NAWA	5.0	3.5	FUNCTIONAL	-	-
								-	-
18	132/33 kV	RAJIASAR	33 kV	BIJAY NAGAR	5.8	4.0	FUNCTIONAL	-	-
			33 kV	LOONKARANSAR	2.0	1.0	FUNCTIONAL	-	-
								-	-
19	132/33 kV	SANJOO	33 kV	SANJOO	11.4	8.0	FUNCTIONAL	-	-
			33 kV	BARSANA	13.1	11.0	FUNCTIONAL	-	-
			33 kV	KHATU	2.3	1.5	FUNCTIONAL	-	-
			33 kV	DEGANA	6.3	4.5	FUNCTIONAL	-	-
			33 kV	BARNA	5.1	4.0	FUNCTIONAL	-	-
			33 kV	GUGOR	8.6	6.5	FUNCTIONAL	-	-
								-	-
20	132/33 kV	SHAHPURA	33 kV	SHAHPURA	8.5	6	FUNCTIONAL	-	-
			33 kV	MANOHARPURA	4	3	FUNCTIONAL	-	-
			33 kV	CHAPARA	9	7	FUNCTIONAL	-	-
			33 kV	KANT	8	6	FUNCTIONAL	-	-
			11 kV	I/C	10	8	FUNCTIONAL	-	-
								-	-
21	220/132/ 33 kV	SIROHI	33 kV	PALDI	8	6	FUNCTIONAL	-	-
								-	-
22	220/132 kV	SIROHI	132 kV	REODHAR	8	6.5	FUNCTIONAL	-	-
								-	-
23	132/33 kV	SULTANA	33 kV	ARDAWATA	6	4.5	FUNCTIONAL	-	-
			33 kV	LOYAL	13.7	11	FUNCTIONAL	-	-
			33 kV	KHYAMSAR	4.5	3	FUNCTIONAL	-	-
			33 kV	KITHANA	4.5	3.5	FUNCTIONAL	-	-
								-	-
24	220/132/ 33 kV	TINWARI	33 kV	BHAISAR KOTWALI	3.4	2.5	FUNCTIONAL	-	-
			33 kV	GHEWRA	12.6	10.5	FUNCTIONAL	-	-
			33 kV	GAGORI	12.6	11.0	FUNCTIONAL	-	-
			33 kV	BIRLA BASNI	13.7	11.0	FUNCTIONAL	-	-
			33 kV	BADA KOTECHA	17.1	14.5	FUNCTIONAL	-	-
			33 kV	BALERWA	8.0	6.0	FUNCTIONAL	-	-

								-	-
25	132/33 kV	WEIR	33 kV	BAYANA	13	11	FUNCTIONAL	-	-
			33 kV	JAG JEEVANPUR	4.5	3	FUNCTIONAL	-	-
			33 kV	CHHOKARWARA	13	11	FUNCTIONAL	-	-
			33 kV	WEIR	10	8	FUNCTIONAL	-	-
								-	-
26	132/33 KV	TEHANDESAR	33 KV	SAJANSAR	9.7	7.5	FUNCTIONAL	-	-
			33 KV	TEHANDESAR	6.9	5.0	FUNCTIONAL	-	-
			33 KV	SADU	12.6	10.0	FUNCTIONAL	-	-
			33 KV	BAMBU	13.7	11.0	FUNCTIONAL	-	-
			33 KV	EYARA	10.3	8.5	FUNCTIONAL	-	-
			33 KV	NABHASAR	11.4	10.0	FUNCTIONAL	-	-
			33 KV	SONIASAR	12.6	10.0	FUNCTIONAL	-	-
								-	-
27	132/33 KV	SARDAR SHAHAR	33 KV	SARDAR SHAHAR	17.1	14.5	FUNCTIONAL	-	-
			33 KV	BHANIPURA	8.0	6.0	FUNCTIONAL	-	-
			33 KV	GARSISAR	17.1	15.0	FUNCTIONAL	-	-
			33 KV	PULASAR	2.3	1.5	FUNCTIONAL	-	-
			33 KV	MEHRASAR	5.7	4.0	FUNCTIONAL	-	-
								-	-
28	132/33 KV	SANGARIYA	33 KV	SANGARIYA	5.7	4.0	FUNCTIONAL	-	-
			33 KV	CHAKHEERA SINGH	10.3	8.5	FUNCTIONAL	-	-
			33 KV	BASEER	5.1	4.0	FUNCTIONAL	-	-
			33 KV	NAGRANA	3.4	2.5	FUNCTIONAL	-	-
								-	-
29	132/33 KV	AMARPURA	33 KV	MASANI	23.5	19.0	FUNCTIONAL	-	-
			33 KV	KAMRANI	6.7	5.0	FUNCTIONAL	-	-
			33 KV	PEERKAMDIA	13.5	11.0	FUNCTIONAL	-	-
			33 KV	RAWATSAR	4.6	3.5	FUNCTIONAL	-	-
								-	-
30	132/33 KV	NAPASAR	33 KV	MUNDSAR	15.4	13.0	FUNCTIONAL	-	-
			33 KV	NAPASAR	6.3	5.0	FUNCTIONAL	-	-
			33 KV	RAMSAR	13.1	11.0	FUNCTIONAL	-	-
			33 KV	BELASAR	13.1	11.7	FUNCTIONAL	-	-
			33 KV	KILCHUJATAN	13.1	11.0	FUNCTIONAL	-	-
								-	-
31	220/132/ 33 KV	DHORIMANA	33 KV	DHORIMANA	13.7	12.0	FUNCTIONAL	-	-
			33 KV	SOBHALA DARSHNA	13.1	11.0	FUNCTIONAL	-	-
			33 KV	BAMARLA	10.9	8.5	FUNCTIONAL	-	-
			33 KV	NCP	0.6	0.3	FUNCTIONAL	-	-
			33 KV	RAM JI KA GOL	5.1	4.0	FUNCTIONAL	-	-
			33 KV	TAPI	6.9	4.7	FUNCTIONAL	-	-
			33 KV	DUDU	9.7	7.2	FUNCTIONAL	-	-
								-	-
32	220/132/ 33 KV	NAGAUR	33 KV	KARALU	16.2	14.0	FUNCTIONAL	-	-
			33 KV	INANA	4.2	3.0	FUNCTIONAL	-	-
			33 KV	BASNI ROAD	13.3	11.5	FUNCTIONAL	-	-
			33 KV	BHER	9.1	7.0	FUNCTIONAL	-	-
			33 KV	BARALI	12.3	10.0	FUNCTIONAL	-	-
			33 KV	DEH	12.5	10.0	FUNCTIONAL	-	-
			33 KV	ROL	9.8	8.0	FUNCTIONAL	-	-
			33 KV	JODHYASI	10.2	8.5	FUNCTIONAL	-	-
			33 KV	TANWSAR	7.2	5.5	FUNCTIONAL	-	-
								-	-
33	132/33 KV	LAMBA	33 KV	LAMBA	14.1	12.0	FUNCTIONAL	-	-
			33 KV	MOKALA	5.9	4.0	FUNCTIONAL	-	-
			33 KV	RIYAN	13.7	11.0	FUNCTIONAL	-	-
			33 KV	BASANI SEJA	6.9	5.0	FUNCTIONAL	-	-
			33 KV	GAGRANA	8.8	7.0	FUNCTIONAL	-	-
			33 KV	DHADASANI	3.2	2.5	FUNCTIONAL	-	-
								-	-
34	132/33 KV	GOTAN	33 KV	TOONKALIYA	10.6	8.0	FUNCTIONAL	-	-
			33 KV	GOTAN CITY	3.5	2.0	FUNCTIONAL	-	-

			33 KV	SANGWA KI DHANI	5.4	3.5	FUNCTIONAL	-	-
			33 KV	NOKHA + SHIV	21.0	18.0	FUNCTIONAL	-	-
								-	-
35	132/ KV	KUCHERA	33 KV	BUTATI	12.5	11.0	FUNCTIONAL	-	-
			33 KV	ARWAR	14.2	12.0	FUNCTIONAL	-	-
			33 KV	GAJU	13.0	11.0	FUNCTIONAL	-	-
			33 KV	JANANA	8.9	7.0	FUNCTIONAL	-	-
			33 KV	NIMBRI	16.8	14.0	FUNCTIONAL	-	-
								-	-
36	132/33 KV	GANGAPUR	33 KV	BAMANWAS PIPLIA	11.4	9.0	FUNCTIONAL	-	-
			33 KV	TALAWARA	9.1	7.0	FUNCTIONAL	-	-
			33 KV	SALODA	8.6	6.0	FUNCTIONAL	-	-
			33 KV	BAJIRPUR	11.4	9.0	FUNCTIONAL	-	-
								-	-
37	132 kV	ALWAR	33 kV	VIJAY MANDIR	15	12	FUNCTIONAL	-	-
			33 kV	UMRAON	6.5	5	FUNCTIONAL	-	-
								-	-
38	132/33 kV	BAGRU	33 kV	RAMPURA	2	1.5	FUNCTIONAL	-	-
			33 kV	BEGAS	14	12	FUNCTIONAL	-	-
								-	-
39	132/33 kV	GOVINDGARH	33 kV	KHEJROLI	18	15	FUNCTIONAL	-	-
			33 kV	TIGRA	10	8	FUNCTIONAL	-	-
			33 kV	HASTERA	13.7	11	FUNCTIONAL	-	-
								-	-
40	132/33 kV	DECHU	33 kV	CHAMU	13.7	12	FUNCTIONAL	-	-
			33 kV	CHORDIA	9	7	FUNCTIONAL	-	-
			33 kV	CHANDSMA	9	7	FUNCTIONAL	-	-
								-	-
41	132/33 KV	DESHNOK	33 KV	GEEGASAR	12.2	10.0	FUNCTIONAL	-	-
			33 KV	PALANA	11.4	9.5	FUNCTIONAL	-	-
			33 KV	RASISAR	16.9	14.0	FUNCTIONAL	-	-
			33 KV	DESHNOK	6.9	4.5	FUNCTIONAL	-	-
			33 KV	GAJROOPDESAR	20.9	16.5	FUNCTIONAL	-	-
				Total Load Relief	**1656.8**	**1318.1**			
				Required Load Relief	**390**				

1656.8

Under-frequency Relays setting : 49.0 Hz.

S. NO.	NAME OF SUB STATION		Feeder Voltage level (kV)	NAME OF FEEDER	LOAD RELIEF (MW)		UFR FUNCTIONAL/NOT FUNCTIONAL	TARGET DATE FOR MAKING UFR FUNCTIONAL, IF NOT YET FUNCTIONAL	REMARKS/ CONSTRAINTS, IF ANY, IN IMPLEMENTATION
					PEAK	AVERAGE			
1	220/132/ 33 kV	DAUSA	33 kV	PARASOLI	6	4.5	FUNCTIONAL	-	-
			33 kV	PAPRDA BAJORI	3	2	FUNCTIONAL	-	-
			33 kV	NANGAL RAJAWATAN	14	12	FUNCTIONAL	-	-
			33 kV	CIVIL LINES	14	11	FUNCTIONAL	-	-
								-	-
2	132/33 kV	DEEDWANA	33 kV	DEEDWANA	8	6	FUNCTIONAL	-	-
			33 kV	JAYAL	3	2	FUNCTIONAL	-	-
			33 kV	KHUNKHUNA	9.5	7	FUNCTIONAL	-	-
			33 kV	NUWA	9	7	FUNCTIONAL	-	-
								-	-
3	220/132/ 33 kV	HINDAUN	33 kV	HINDAUN	17	14	FUNCTIONAL	-	-
			33 kV	KHERA	14.7	11	FUNCTIONAL	-	-
			33 kV	RIICO RURAL	10.5	8	FUNCTIONAL	-	-
			33 kV	MAHU	17	15	FUNCTIONAL	-	-
			33 kV	SUROTH	17	14	FUNCTIONAL	-	-
			33 kV	JAT KI SARAI	9.4	7	FUNCTIONAL	-	-

								-	-
4	132/33 kV	FATEHPUR	33 kV	ROLSABSAR	2.7	2	FUNCTIONAL	-	-
			33 kV	UDANSAR	10	8	FUNCTIONAL	-	-
			33 kV	LAXMANGARH	2.5	2	FUNCTIONAL	-	-
			33 kV	KHURDI	4.5	3.5	FUNCTIONAL	-	-
								-	-
5	132/33 kV	HANUMANGARH	33 kV	PEERKAMDIA	17	14	FUNCTIONAL	-	-
			33 kV	DHOLIPAL	11	9	FUNCTIONAL	-	-
			33 kV	MAKKASAR	16.5	14	FUNCTIONAL	-	-
			33 kV	DABLI FATEHGARH	16	14	FUNCTIONAL	-	-
								-	-
6	220/132/ 33 kV	KOTPUTLI	33 kV	PAOTA	22	16	FUNCTIONAL	-	-
			33 kV	PANESIA	22	16	FUNCTIONAL	-	-
			33 kV	PATAN CHALLA	18.8	15	FUNCTIONAL	-	-
			33 kV	POOTLY	6.8	5	FUNCTIONAL	-	-
								-	-
7	132/33 kV	CHITAWA	33 kV	KALALI	7.7	5.5	FUNCTIONAL	-	-
			33 kV	ADAKSAR	5.7	4	FUNCTIONAL	-	-
			33 kV	NAGWARA	6	4	FUNCTIONAL	-	-
			33 kV	CHITAWA	8.6	6	FUNCTIONAL	-	-
								-	-
8	132/33 kV	PADAMPUR	33kV	GHAMURWALI	10.2	8	FUNCTIONAL	-	-
			33kV	RAMAWALI	6	4	FUNCTIONAL	-	-
			33kV	RIDMALSAR	6.3	4.5	FUNCTIONAL	-	-
			33kV	DABLA	4	2.5	FUNCTIONAL	-	-
								-	-
9	132/33kV	MALPURA	33 kV	LAMBA	1.8	1	FUNCTIONAL	-	-
			33 kV	PACHEWAR	1.5	1	FUNCTIONAL	-	-
			33 kV	BAORI	1.2	1	FUNCTIONAL	-	-
								-	-
10	220/132/ 33 kV	RENWAL	33 kV	RENWAL	7	5	FUNCTIONAL	-	-
			33 kV	DUNGARI	14.8	12	FUNCTIONAL	-	-
			33 kV	PACHKODIA	6	4.5	FUNCTIONAL	-	-
			33 kV	MINDA	7	5	FUNCTIONAL	-	-
			33 kV	BHADAL	10.5	8	FUNCTIONAL	-	-
								-	-
11	132/33 kV	SUJANGARH	33 kV	CHHAPAR	2	1	FUNCTIONAL	-	-
			33 kV	LADY	1	0.5	FUNCTIONAL	-	-
			33 kV	O.P.H.	3	2	FUNCTIONAL	-	-
								-	-
12	220/132/ 33 kV	MIA ALWAR	33 kV	DADAR	5.7	4	FUNCTIONAL	-	-
			33 kV	HALDEENA	13.7	11	FUNCTIONAL	-	-
			33 kV	BAMBOLI	5.7	4	FUNCTIONAL	-	-
			33 kV	SADHOLI	5.7	4.5	FUNCTIONAL	-	-
								-	-
13	220/132/ 33 kV	PILANI	33 kV	KHUDANIA	8.5	7	FUNCTIONAL	-	-
			33 kV	BANGOTHARI	18	15	FUNCTIONAL	-	-
								-	-
14	132/33 kV	BASSI	33 kV	BANSKHO	13.7	11	FUNCTIONAL	-	-
			33 kV	KACHOLIA	22	18	FUNCTIONAL	-	-
			33 kV	NEVAR	10	8	FUNCTIONAL	-	-
								-	-
15	132/33 kV	MAKRANA	33 kV	GAHCHIPURA	6	4	FUNCTIONAL	-	-
			33 kV	BHICHAWA	11	8	FUNCTIONAL	-	-
			33 kV	BUDSU	8	6	FUNCTIONAL	-	-
								-	-
16	132/33 KV	RAI SINGH NAGAR	33 KV	SANGRANA	3.5	2.0	FUNCTIONAL	-	-
			33 KV	BAJUWALA	3.0	2.0	FUNCTIONAL	-	-
			33 KV	RAI SINGH NAGAR	8.0	6.0	FUNCTIONAL	-	-
			33 KV	SAMEJHA	3.0	2.0	FUNCTIONAL	-	-
								-	-
17	132/33 kV	THANAGAJI **OR**	33 kV	TANAGAJI	6.9	5.0	FUNCTIONAL	-	-
			33 kV	NARAYANPUR	11.4	9.0	FUNCTIONAL	-	-

			33 kV	HINSLA	2.3	1.5	FUNCTIONAL	-	-
			33 kV	KISHORI	6.3	5.0	FUNCTIONAL	-	-
								-	-
	132/33 kV	TIJARA	33 kV	KHERLI	8.6	6.5	FUNCTIONAL	-	-
			33 kV	KATHUMER	14.3	12.5	FUNCTIONAL	-	-
			33 kV	GHATABHAWAR	14.3	12.0	FUNCTIONAL	-	-
			33 kV	BADANGARDI	8.6	6.5	FUNCTIONAL	-	-
								-	-
	132/33 kV	KHERLI	33 kV	KHERLI	6.9	5.0	FUNCTIONAL	-	-
			33 kV	KATHUMER	9.7	8.0	FUNCTIONAL	-	-
			33 kV	HINSLA	6.3	5.0	FUNCTIONAL	-	-
			33 kV	KISHORI	8.6	7.0	FUNCTIONAL	-	-
								-	-
	132/33 kV	BANSUR	33 kV	HARSAWA	13.7	11.0	FUNCTIONAL	-	-
			33 kV	LOHITI	13.7	11.0	FUNCTIONAL	-	-
			33 kV	CHATARPURA	22.9	18.0	FUNCTIONAL	-	-
			33 kV	NAWALPURA	12.6	10.5	FUNCTIONAL	-	-
			33 kV	BANSUR	3.4	2.5	FUNCTIONAL	-	-
								-	-
18	132/33 kV	MUNDAWAR	33 KV	MATHORE	13.7	11.0	FUNCTIONAL	-	-
			33 KV	MUNDAWAR	13.7	11.5	FUNCTIONAL	-	-
			33 KV	HARSOLI	13.7	11.5	FUNCTIONAL	-	-
			33 KV	MAINPUR	13.7	11.0	FUNCTIONAL	-	-
								-	-
19	132/33 kV	BAYANA	33 KV	BAGREIN	13.7	11.0	FUNCTIONAL	-	-
			33 KV	BAYANA (R)	8.0	6.0	FUNCTIONAL	-	-
			33 KV	BIRAMPURA	13.7	11.0	FUNCTIONAL	-	-
								-	-
20	132/33 kV	NADBAI	33 KV	NADBAI-II	24.6	19.0	FUNCTIONAL	-	-
			33 KV	KATARA	9.1	7.0	FUNCTIONAL	-	-
			33 KV	BANI	3.4	2.5	FUNCTIONAL	-	-
			33 KV	MAHI	4.6	3.5	FUNCTIONAL	-	-
								-	-
21	132/33 kV	BHUSAWAR	33 KV	NITHAR	16.0	13.5	FUNCTIONAL	-	-
			33 KV	SATHA	16.0	14.0	FUNCTIONAL	-	-
			33 KV	BHUSAWAR	11.4	9.5	FUNCTIONAL	-	-
			33 KV	NARULA	9.1	8.0	FUNCTIONAL	-	-
								-	-
22	220/132/ 33 KV	K.G.BAS	33 KV	K.G.BAS	11.4	9.0	FUNCTIONAL	-	-
			33 KV	HARSOLI	13.7	11.0	FUNCTIONAL	-	-
			33 KV	CHIKANI	17.1	14.5	FUNCTIONAL	-	-
			33 KV	KAKRALI	5.7	4.0	FUNCTIONAL	-	-
								-	-
23	132/33 KV	KELWARA	33 KV	BHAWARGARH	13.7	11.0	FUNCTIONAL	-	-
			33 KV	KELWARA	8.1	6.0	FUNCTIONAL	-	-
			33 KV	KHANDELA	4.9	3.0	FUNCTIONAL	-	-
			33 KV	KHEMLI PHATAK	11.0	9.0	FUNCTIONAL	-	-
			33 KV	PIPLE KHERI	4.6	3.0	FUNCTIONAL	-	-
			33 KV	**SAHBAD**	13.7	11.0	FUNCTIONAL	-	-
								-	-
24	132/33 KV	SANGOD	33 KV	KANWAS	5.1	3.5	FUNCTIONAL	-	-
			33 KV	KUNDANPUR	12.6	10.0	FUNCTIONAL	-	-
			33 KV	GHANAHERA	9.4	8.0	FUNCTIONAL	-	-
			33 KV	BAPARWARA	10.3	8.0	FUNCTIONAL	-	-
			33 KV	KHANPUR	5.7	4.0	FUNCTIONAL	-	-
								-	-
25	132/33 KV	BUNDI	33 KV	DABLANA	10.3	8.0	FUNCTIONAL	-	-
			33 KV	RAMNAGAR	8.0	6.0	FUNCTIONAL	-	-
			33 KV	NAMANA	0.0	0.0	FUNCTIONAL	-	-
			33 KV	JAMEETPURA	9.8	7.5	FUNCTIONAL	-	-
			33 KV	HINDOLI	0.0	0.0	FUNCTIONAL	-	-
			33 KV	MANGALI	7.7	6.0	FUNCTIONAL	-	-
								-	-

26	132/33 KV	DEOLI	33 KV	BANTHALI	4.0	3.0	FUNCTIONAL	-	-
			33 KV	JHAJPUR	10.9	8.0	FUNCTIONAL	-	-
			33 KV	HINDAULI	1.1	1.0	FUNCTIONAL	-	-
			33 KV	DEOLI	6.3	5.0	FUNCTIONAL	-	-
								-	-
27	132/33 KV	J.RAMGARH	33 KV	J.RAMGARH	2.9	1.5	FUNCTIONAL	-	-
			33 KV	RAISAR	16.6	13.5	FUNCTIONAL	-	-
			33 KV	SAIPUR	8.6	6.0	FUNCTIONAL	-	-
								-	-
28	132/33 KV	HEMDA	33 KV	PIDAWA	13.7	11.0	FUNCTIONAL	-	-
			33 KV	HEMDA	12.1	10.0	FUNCTIONAL	-	-
			33 KV	SUNEL	11.0	9.0	FUNCTIONAL	-	-
			33 KV	SIRPOI	2.7	1.5	FUNCTIONAL	-	-
			33 KV	KHARPA KALAN	6.3	4.0	FUNCTIONAL	-	-
								-	-
29	132/33 KV	DUG	33 KV	DUG	13.7	11.0	FUNCTIONAL	-	-
			33 KV	GURADIA KALAN	9.1	8.0	FUNCTIONAL	-	-
			33 KV	GANGDHAR	13.7	11.0	FUNCTIONAL	-	-
								-	-
30	132/33 KV	NENWA	33 KV	NENWA	9.8	7.0	FUNCTIONAL	-	-
			33 KV	DEI	13.9	11.0	FUNCTIONAL	-	-
			33 KV	SAMIDHI	4.5	3.0	FUNCTIONAL	-	-
			33 KV	BANSI	16.5	13.0	FUNCTIONAL	-	-
								-	-
31	132/33 KV	BHERUNDA	33 KV	PADU	6.9	4.5	FUNCTIONAL	-	-
			33 KV	THANWALA	13.7	11.0	FUNCTIONAL	-	-
			33 KV	HARSOR	10.7	8.0	FUNCTIONAL	-	-
			33 KV	DEGANA	2.3	1.5	FUNCTIONAL	-	-
			33 KV	ALNIAWAS	10.2	8.0	FUNCTIONAL	-	-
			33 KV	BHERUNDA	1.7	1.0	FUNCTIONAL	-	-
								-	-
32	220/132/ 33 KV	BEAWAR	33 KV	BAR	11.4	9.0	FUNCTIONAL	-	-
			33 KV	BABRA	4.6	3.0	FUNCTIONAL	-	-
			33 KV	MASUDA	9.7	7.0	FUNCTIONAL	-	-
			33 KV	JAWAJA	5.4	3.5	FUNCTIONAL	-	-
								-	-
33	132/33 KV	AMET	33 KV	AMET	3.7	2.5	FUNCTIONAL	-	-
			33 KV	DEVGARH	4.9	3.5	FUNCTIONAL	-	-
			33 KV	GUGALI	8.7	6.5	FUNCTIONAL	-	-
			33 KV	SARDAR GARH	13.7	11.0	FUNCTIONAL	-	-
								-	-
34	132/33 KV	SURAJGARH	33 KV	KAKODA	17.7	15.0	FUNCTIONAL	-	-
			33 KV	KAJARA	10.3	8.0	FUNCTIONAL	-	-
			33 KV	SURAJGARH	10.6	8.5	FUNCTIONAL	-	-
								-	-
35	132/33 KV	KUMAWAS	33 KV	KUMAWAS	8.9	6.5	FUNCTIONAL	-	-
			33 KV	DEOGAON	12.1	10.0	FUNCTIONAL	-	-
			33 KV	KARI	6.9	5.0	FUNCTIONAL	-	-
			33 KV	BINJUSAR	13.3	11.0	FUNCTIONAL	-	-
								-	-
36	132/33 KV	MANDRELA	33 KV	MANDRELA	10.4	8.0	FUNCTIONAL	-	-
			33 KV	NORANGPURA	10.7	8.0	FUNCTIONAL	-	-
			33 KV	DABRI	1.1	0.5	FUNCTIONAL	-	-
								-	-
37	132/33 KV	MANDAWA	33 KV	HETAMSAR	5.1	3.5	FUNCTIONAL	-	-
			33 KV	NUWA	6.5	4.5	FUNCTIONAL	-	-
			33 KV	MUKANDGARH	12.6	10.0	FUNCTIONAL	-	-
			33 KV	SADINSAR	4.0	2.5	FUNCTIONAL	-	-
								-	-
38	132/33 KV	LOSAL	33 KV	LOSAL	14.6	11.5	FUNCTIONAL	-	-
			33 KV	BHIMA	4.8	3.0	FUNCTIONAL	-	-
			33 KV	JANA	3.7	2.5	FUNCTIONAL	-	-
								-	-

39	132/33 KV	BADANU	33 KV	BADANU-I	10.3	8.5	FUNCTIONAL	-	-
			33 KV	SUDSAR	9.7	7.0	FUNCTIONAL	-	-
			33 KV	SANWATSAR	11.2	8.5	FUNCTIONAL	-	-
			33 KV	LIKHMISAR	8.9	6.5	FUNCTIONAL	-	-
			33 KV	BIDASARIYA	9.1	7.0	FUNCTIONAL	-	-
			33 KV	BADANU-II	4.9	3.5	FUNCTIONAL	-	-
			33 KV	LALAM-DESAR	8.5	6.0	FUNCTIONAL	-	-
			33 KV	KUCHOR	4.6	3.0	FUNCTIONAL	-	-
								-	-
40	132/33 KV	NOKHA	33 KV	KAKDA	13.7	11.0	FUNCTIONAL	-	-
			33 KV	SINSGURU	10.9	8.0	FUNCTIONAL	-	-
			33 KV	PANCHU	10.0	8.0	FUNCTIONAL	-	-
			33 KV	NOKHA CITY	5.7	4.0	FUNCTIONAL	-	-
			33 KV	BOODRA KI DHANI	10.3	8.0	FUNCTIONAL	-	-
			33 KV	JASRASAR	7.4	5.5	FUNCTIONAL	-	-
					1659.0	**1289.5**			
			Total Load Relief at 49.0 Hz		**392**				
				REQUIRED LOAD RELIEF =392 MW					

	RAJASTHAN	**Load Relief (MW)**	**Targeted Load Relief (MW)**	**% Load Relief implemented w.r.t. Target load Relief**
1	**Total Load relief at frequency 49.2Hz**	**1656.8**	390	**424.8**
2	**Total Load relief at frequency 49.0Hz**	**1659.0**	392	**423.2**
3	**Total Load Relief at frequency 48.8 Hz.**	**Not Implemented**	406	**0.0**
4	**Total Load Relief at frequency 48.6 Hz.**	**Not Implemented**	408	**0.0**
5	**Total Load releif at flat frequency**	**3315.7**	1596	**207.8**

Status as on 02.12.2013

DETAILS OF FEEDERWISE EXPECTED LOAD RELIEF THROUGH AUTOMATIC UNDER-FREQUENCY RELAYS BASED LOAD-SHEDDING SCHEME

REGION – Northern Region
State: Punjab
Under-frequency Relays setting : 49.2Hz.

S.No.	Particulars of Sub-stations	Feeder Voltage (kV)	Particulars of feeder	Load Relief (MW)		UFR (Functional	Target date for making if not yet functional	Remarks / constraints, if any
				Peak	Average			
1	220 kV Patti	66 kV	Harike	9.0		Functional	-	-
		66 kV	Sabraon	11.0		Functional	-	-
		66 kV	Pringiri	8.0	15.0	Functional	-	-
2	220 kV Wadala Granthian	66 kV	Udhanwal	29	18	Functional	-	-
3	220 kV Malout	66 kV	Gilzewala	35	12	Functional	-	-
4	220 kV Sadiq		J Tehal Singh Ckt	30		Functional	-	-
			Deep S Wala Ckt	25		Functional	-	-
			Sukhanwala Ckt	20	48	Functional	-	-
5	132 kV Malout	66 kV	Madhir/Abul Khurana	32	22	Functional	-	-
6	132 kV Boghpur	66 kV	Kandhal	12		Functional	-	-
		66 kV	Bholath	8	15	Functional	-	-
7	132 kV Jadla		Balachour line	28		Functional	-	-
			Karawar line	12	28	Functional	-	-
8	220 kV Goraya		I/C of 100 MVA, 220/66 kVT/F	80	58	Functional	-	-
9	220 kV Bahadurgarh	66 kV	Ghanaur	33	19	Functional	-	-
10	220 kV Dhuri	66 kV	Kanjla	18	11	Functional	-	-
11	220 kV Barnala	66 kV	Thuliwal	25		Functional	-	-
		66 kV	Dhaula	20	29	Functional	-	-
	Total load relief			**435.0**	**275**			
	Required load relief			**400**				

Under-frequency Relays setting : 49.0Hz.

S.No.	Particulars of Sub-stations		Particulars of feeder	Load Relief (MW)		UFR (Functional	Target date for making if not yet functional	Remarks / constraints, if any
				Peak	Average			
1	220 kV Sunam	66 kV	Chajjli	75		Functional	-	-

		66 kV	Cheema	87	102	Functional	-	-
2	220 kV Malerkotla	66 kV	Maloud	60	40	Functional	-	-
3	220 kV Jagraon	66 kV	Sidhwan	30		Functional	-	-
		66 kV	Roomi	35		Functional	-	-
		66 kV	Lakha	38		Functional	-	-
		66 kV	Lopan/Rasulpur	49	100	Functional	-	-
4	220 kV Doraha		I/C of 20 MVA,220/66 kV T/F	15		Functional	-	-
			I/C of 160 MVA,220/66 kV T/F	20		Functional	-	-
		132 kV	Bilaspur	15	28	Functional	-	-
5	132 kV S Kalan		I/C of 20 MVA,132/11 kV T/F	28		Functional	-	-
			I/C of 12 MVA,132/11 kV T/F	10	12	Functional	-	-
6	220 kV Ghulal	66 kV	Khamano	17		Functional	-	-
		66 kV	ST Cotex	6		Functional	-	-
		66 kV	Bhaini	5		Functional	-	-
			I/C of 12 MVA,132/11 kV T/F	9	22	Functional	-	-
7	220 kV Gbr-3	66 kV	Chourwala	76	22	Functional	-	-
	Total load relief			**575**	**326**			
	Required load relief			**402**				

Under-frequency Relays setting : 48.8Hz.

S.No.	**Particulars of Sub-stations**		**Particulars of feeder**	**Load Relief (MW)**		**UFR (Functional**	**Target date for making if not yet functional**	**Remarks / constraints, if any, in**
				Peak	**Average**			
1	220 kV Tibber	66 kV	Chajjl	7	3	Functional	-	-
2	220 kV KS Malhi	66 kV	Goraya	4	1	Functional	-	-
3	220 kV Khassa	66 kV	S A Khan	15		Functional	-	-
		66 kV	Raja Taal	8	12	Functional	-	-
4	220 kV Fatehgarh Churia	66 kV	Ajnala/Jhander	4		Functional	-	-
		66 kV	W Viram	2		Functional	-	-
		66 kV	Bhangali	1	7	Functional	-	-
5	220 kV Mansa	66 kV	Budhlada Ckt 1 & 2	50		Functional	-	-
		66 kV	Bhikhi	30		Functional	-	-
		66 kV	Dhalewan	25	62	Functional	-	-
6	220 kV Botianwala	66 kV	Thatha Sahib	30	12	Functional	-	-
7	220 kV Abohar		I/C of 12 MVA, 132/11kV T/F	9	4	Functional	-	-
8	132 kV Firozshah	66 kV	Mallanwal	32	14	Functional	-	-

9	220 kV K Jnga		Malsian	16		Functional	-	-
			Alewali	13		Functional	-	-
			Shahkot	18		Functional	-	-
			Malsian	23	38	Functional	-	-
10	132 kV N Shehar		Aur	40		Functional	-	-
			Rahon	40	22	Functional	-	-
11	132 kV Banga		Behram	85	18	Functional	-	-
12	220 kV Amloh		Bhadson	100	45	Functional	-	-
13	220 kV Sahnewal		Latala	7	2	Functional	-	-
14	132 kV Ropar		Behlopur	10	3	Functional	-	-
15	220 kV Patran		Khanauri	100		Functional	-	-
			Badshpur	118	100	Functional	-	-
16	220 kV Ablowal		Lung	20	12	Functional	-	-
	Total load relief			**807**	**355**			
	Required load relief			**406**				

Under-frequency Relays setting : 48.6Hz.

S.No.	**Particulars of Sub-stations**		**Particulars of feeder**	**Load Relief (MW)**		**UFR (Functional**	**Target date for making if not yet functional**	**Remarks / constraints, if any, in**
				Peak	**Average**			
1	220 kV Kartarpur		Nadala	35		Functional	-	-
			Hamira	38		Functional	-	-
			Mustfapur	28	65	Functional	-	-
2	220 kV G-1		I/C of 100 MVA, 220/66 kV T/F	38		Functional	-	-
			I/C of 100 MVA, 220/66 kV T/F	38		Functional	-	-
			I/C of 100 MVA, 220/66 kV T/F	38	80	Functional	-	-
3	220 kV Dhandari		I/C of 100 MVA, 220/66 kV T/F	100		Functional	-	-
			I/C of 100 MVA, 220/66 kV T/F	100	170	Functional	-	-
	Total load relief			**415**	**315**			
	Required load relief			**408**				

PUNJAB		**Load Relief (MW)**	**Targeted Load Relief (MW)**	**% Load Relief implemented w.r.t. Target load Relief**
1	**Total Load relief at frequency 49.2Hz**	**435.0**	400	**108.8**
2	**Total Load relief at frequency 49.0Hz**	**575.0**	402	**143.0**

3	**Total Load relief at frequency 48.8Hz**	**807.0**	406	**198.8**
4	**Total Load relief at frequency 48.6Hz**	**415.0**	408	**101.7**
5	**Total Load releif at flat frequency**	**2232.0**	1616	**138.1**

Status as on 02.12.2013

DETAILS OF FEEDERWISE EXPECTED LOAD RELIEF THROUGH AUTOMATIC UNDER-FREQUENCY RELAYS BASED LOAD-SHEDDING SCHEME

REGION – Northern Region
State: Himachal pradesh

UNDER FREQUENCY RELAY SETTING : 49.2 Hz

Sr. No.	Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks/Constraints, if any, in implementation
		Peak	Average			
1	132 kV sub-station In the premises of M/s ACC, Barmana	10	10	Functional	-	---
2	132 kV sub-staion in the premises of M/s GACL, Darlaghat	10	10	Functional	-	---
3	220/66 kV sub-station In the premises of M/s GACL, Rauri	3.7	3.7	Functional	-	---
4	132 kV sub-staion in the premises of M/s JAYPEE Cement, Baga	3.5	3.5	Functional	-	---
5	66 kV Sub-Station, Golthai of M/s. Sraj Fabrics	3	3	Functional	-	---
	Total Load Relief	**30.2**	**30.2**			
	Required Load Relief	**77***				

UNDER FREQUENCY RELAY SETTING : 49.0 Hz

Sr. No.	Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks/Constraints, if any, in implementation
		Peak	Average			

1	132 kV sub-station In the premises of M/s ACC, Barmana	10	10	Functional		---
2	132 kV sub-staion in the premises of M/s GACL, Darlaghat	10	10	Functional	NA	---
3	220/66 kV sub-station In the premises of M/s GACL, Rauri	11.8	11.8	Functional	NA	---
4	132 kV sub-staion in the premises of M/s JAYPEE Cement, Baga	9	9	Functional	NA	---
	Total Load Relief	**40.8**	**40.8**			
	Required Load Relief	**77***				

UNDER FREQUENCY RELAY SETTING : 48.8 Hz

Sr. No.	Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks/Constraints, if any, in implementation
		Peak	Average			
	Nil	Nil	Nil	Yet to implement	-	Not yet implemented
	Total Load Relief	**0**	**0**			
	Required Load Relief	**78***				

UNDER FREQUENCY RELAY SETTING : 48.6 Hz

Sr. No.	Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks/Constraints, if any, in implementation
		Peak	Average			

1	220 kV sub-station, Kunihar 132 kV Kunihar Barotiwala Circuit -II	78	55	Functional	-	---
	Total Load Relief	**78**	**55**			
	Required Load Relief	**78***				

df/dt RELAY:

Sr. No.	Particulars of feeder	Load Relief (MW)		Relay (Functional or Non-functional)	Target date for making relay functional if not yet functional	Remarks/Constraints, if any, in implementation
		Peak	Average			
1	132 kV Kunihar Barotiwala Circuit -I	90	36	Functional	-	Setting: 0.1 Hz/Sec.
2	132 kV Giri-Kalaamb Circuit	100	70	Functional	-	Setting: 0.3 Hz/Sec.
3	66 kV Baddi-Akanwali	20	10	Functional	-	Setting: 0.2 Hz/Sec.
	Total Load Relief	**210**	**116**			

*** In the return in format 29, the Peak Demand met figure was invertantly intimated as 1672 MW submitted to CEA for the month of June, 2012**

Name of State	Description	Peak Demand	Load Shedding Target for 4 stages (MW)				
			49.2 Hz	49.0 Hz	48.8 Hz	48.6 Hz	Total
Himachal Pradesh	**As per CEA Data**	1672	77	77	78	78	310
Himachal Pradesh	**As per HPSEBL based on actual demand**	**1360**	**30.2**	**40.8**	**0**	**78**	**149**

HIMACHAL		Load Relief (MW)	Targeted Load Relief (MW)	% Load Relief implemented w.r.t. Target load Relief
1	**Total Load relief at frequency 49.2Hz**	**30.2**	77	**39.2**
2	**Total Load relief at frequency 49.0Hz**	**40.8**	77	**53.0**
3	**Total Load relief at frequency 48.8Hz**	**Not Implemented**	78	**0.0**
4	**Total Load relief at frequency 48.6Hz**	**78.0**	78	**100.0**
5	**Total Load releif at flat frequency**	**149.0**	310	**48.1**

Status as on 02.12.2013

DETAILS OF FEEDERWISE EXPECTED LOAD RELIEF THROUGH AUTOMATIC UNDER-FREQUENCY RELAYS BASED LOAD-SHEDDING SCHEME
REGION : Northern Region
State: Uttarakhand

UNDER FREQUENCY RELAY SETTING : 49.2 Hz

S.No.	Particulars of Sub-stations	Particulars of feeder		Load Relief (MW)		UFR (Functional	Target date for making if not yet	Remarks / constraints, if any, in
				Peak	Average			
1	132 kV Kashipur	33 kV	Kashipur Town	15		Functional	-	-
2	132 kV Roorkee	33 kV	Jhabreda	15		Functional	-	-
		33 kV	Kheramugal	20		Functional	-	-
	132 kV Jwalpur	33 kV	Bhattipur	20		Functional	-	-
3	132 kV Majra	33 kV	Doiwala	20		Functional	-	-
	Total Load Relief			**90**			-	-
	Required Load Relief			77			-	-

UNDER FREQUENCY RELAY SETTING : 49.0 Hz

S.No.	Particulars of Sub-stations	Particulars of feeder		Load Relief (MW)		UFR (Functional	Target date for making if not yet	Remarks / constraints, if any, in
				Peak	Average			
1	132 kV Eldico Sitarganj	33 kV	Industrial Feeder	15		Functional	-	-
2	132 kV Roorkee	33 kV	Dhanuri	20		Functional	-	-
3	132 kV Bhagawanpur		2X40 MVA T/R	65		Functional	-	-

	Total Load Relief			**100**			-	-
	Required Load Relief			**77**			-	-

	UTTARAKHAND	**Load Relief (MW)**	**Targeted Load Relief (MW)**	**% Load Relief implemented w.r.t. Target load Relief**
1	**Total Load relief at frequency 49.2Hz**	**90.0**	77.0	**116.9**
2	**Total Load relief at frequency 49.0Hz**	**100.0**	77.0	**129.9**
3	**Total Load relief at frequency 48.8Hz**	**Not Implemented**	78.0	**0.0**
4	**Total Load relief at frequency 48.6Hz**	**Not Implemented**	78.0	**0.0**
5	**Total Load releif at flat frequency**	**190.0**	310.0	**61.3**

Status as on 02.12.2013

DETAILS OF FEEDER WISE EXPECTED LOAD RELIEF THROUGH AUTOMATIC UNDER-FREQUENCY RELAYS BASED LOAD-SHEDING SCHEME

REGION: NORTHERAN REGEION

STATE:HARYANA

Under frequency relay setting - 49.2 Hz

Sr. No	Name of the S/Stn	Particular of feeder	Load relief (MW)		UFR (Functional or Non- Functional)	Target date for making UFR functional if not yet functional	Remarks / conctraint, if any, in implementation
			Peak	Average			
I	**TS Circle Hisar**						
1	220KV Sirsa	132 kV Sirsa - Begu line	58	34	Functional	-	-
2	220KV Rania	132 kV Rania - Jiwan Nagar line	59	31	Functional	-	-
II	**TS Circle Gurgaon**					-	-
1	220KV Mohindergarh	132/11 kV, 10/16 MVA T-1 T/F, 132/33 kV, 10/16 MVA T-3 T/F (1st Jan to 31st March)	30	22	Functional	-	-
2	220KV Mohindergarh	132 kV Satnali (1st April to 30th June)	33	22.5	Functional	-	-
3	220KV Mohindergarh	132/33 kV, 10/16 MVA T-2 T/F(1st July to 30th September)	14.4	9	Functional	-	-
4	220KV Narnaul	132 kV Mundia Khera/Narnaul (1st October to 31st December)	33	22.5	Functional	-	-
5	220 kV Rewari	132/33 kV, 20/25 MVA T-5 T/F	25	17	Functional	-	-

III.	**TS Circle Faridabad**					-	-
1	220KV Palwal	66 KV Palwal-Mandkola CKT-I	12	6.5	Functional	-	-
2	220KV Palwal	66 KV Palwal-Mandkola CKT-II	12	6.5	Functional	-	-
3	220KV Palwal	66 KV Palwal-Hodal	30	16	Functional	-	-
IV	**TS Circle, Karnal**					-	-
1	400kV Panipat_BBMB	132 KV Sonepat -Sewah- KNL line	50	30	Functional	-	-
2	400kV Panipat_BBMB	33kV Sewah	10	5	Functional	-	-
		Total load relief	**366**	**222**			
		Required Load Relief	**308**				
Under frequency relay setting - 49 Hz							
I	**TS Circle Hisar**						
1	220kV Dadri_BB	100MVA, 220/132kV T/F at 220kV BBMB Dadri	74	54	Functional	-	-
2	220KV Bhiwani	132 kV Bhiwani - I.A Bhiwani line	29	22	Functional	-	-
II	**TS Circle Gurgaon**					-	-
1	220 kV S/stn BBMB Dadri	220 kV M/garh ckt-1	77	50	Functional	-	-
2	220 kV S/stn BBMB Dadri	220 kV Lula Ahir line	167	132	Functional	-	-
III.	**TS Circle Faridabad**					-	-
1	220KV Palwal	66 KV Palwal-Palwal CKT-I	24	14.5	Functional	-	-
2	220KV Palwal	66 KV Palwal-Palwal CKT-II	24	14.5	Functional	-	-
3	220KV Palwal	66 KV Palwal-Hatin	22	11.5	Functional	-	-
		Total load relief	**417**	**299**			
		Required Load Relief	**309**				

HARYANA		Load Relief (MW)	Targeted Load Relief (MW)	% Load Relief implemented w.r.t. Target load Relief
1	**Total Load relief at frequency 49.2Hz**	**366**	308.0	**118.7**
2	**Total Load relief at frequency 49.0Hz**	**417**	309.0	**134.9**
3	**Total Load relief at frequency 48.8Hz**	**Not Implemented**	312.0	**0.0**
4	**Total Load relief at frequency 48.6Hz**	**Not Implemented**	314.0	**0.0**
5	**Total Load releif at flat frequency**	**783**	1243.0	**63.0**

Status as on 02.12.2013

DETAILS OF FEEDERWISE EXPECTED LOAD RELIEF THROUGH AUTOMATIC UNDER-FREQUENCY RELAYS BASED LOAD-SHEDDING SCHEME

REGION : Northern Region

State: U.P.

Under-frequency Relays setting : 49.2 Hz.

S.No.	Name of S/S with step down voltage		Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks / constraints, if any, in implement ation
				Peak	Average			
1	220KV Sitapur	220/132/33	33KV Sethia Oil Mill	2.00	1.5	Functional	-	-
2	132 KV NKN	132/33	33KV B.K.T.	18.00	13	Functional	-	-
3			33KV Vikas Nagar	12.00	9	Functional	-	-
4	132KV TRT	132/33	33KV TRT-2	6.00	5.25	Functional	-	-
5			33KV RDSO	11.00	10.1	Functional	-	-
6			33KV Mavaiya	1.00	0.8	Functional	-	-
7			33KV Abott Road	9.00	7.4	Functional	-	-
8			33KV Aishbag	10.00	8.75	Functional	-	-
9			33KV Rajaji puram-1	15.00	13.6	Functional	-	-
10			33KV Rajaji puram-2	10.00	8.05	Functional	-	-
11	220KV Hardoi	220/132/33	33KV Behta Gokul	13.00	10	Functional	-	-
12	132KV Kundan Road	132/33	33KV Kaba Khera	10.00	8	Functional	-	-
13	132KV Balrampur	132/33	33KV Balrampur	12.00	9	Functional	-	-
14	132KV Mankapur	132/33	33/11KV ITI Mankapur	10.50	8	Functional	-	-
15	132KV Bahraich	132/33	33KV Bashirganj	10.50	8	Functional	-	-
16	220KV Sultanpur	220/132/33	33KV Lambhuwa	13.00	10	Functional	-	-
17	220KV C.B.Ganj	220/132/3	33KV DD Puram	13.00	10	Functional	-	-

18		3	33KV DD Meerganj	13.00	10	Functional	-	-
19	220KV Shahjahanpur	220/132/33	33KV Roza	2.50	2	Functional	-	-
20	132KV Bhadohi	132/33	Rampur		54.6	Functional	-	-
21		132/33	Suriyawa		48.3	Functional	-	-
22	132KV Khalilabad	132/33	Molanapur		4	Functional	-	-
23		132/33	Hariharpur		12	Functional	-	-
24		132/33	Bakhira		20	Functional	-	-
25	220KV Basti	220/132/33	Nagar Bazar		3	Functional	-	-
26		220/132/33	Kalwalri		9.5	Functional	-	-
27		220/132/33	Mahsho		12	Functional	-	-
28		220/132/33	Dumariyaganj		5	Functional	-	-
29		220/132/33	Munderwa		5.5	Functional	-	-
30		220/132/33	Orwara		2.5	Functional	-	-
31		220/132/33	Saltawa		3.5	Functional	-	-
32	132KV Kauriram	132/33	Harpur		0.7	Functional	-	-
33		132/33	Gola bazar		6.3	Functional	-	-
34		132/33	Bansgaw		13.2	Functional	-	-
35		132/33	Unbal		6.3	Functional	-	-
36	132KV Anand Nagar	132/33	Anandnagar		3.5	Functional	-	-
37		132/33	Naugarh		3.5	Functional	-	-
38		132/33	Dhani		1.4	Functional	-	-
39		132/33	Mahrajganj		1	Functional	-	-
40		132/33	Nautanwa		14	Functional	-	-
41		132/33	Peepirganj		13.6	Functional	-	-
42	132KV Ghazipur	132/33	Dullahapur		9.4	Functional	-	-
43		132/33	Kasimabad		7.9	Functional	-	-

44	132KV Ghazipur	132/33	Hansrajpur		6.5	Functional	-	-
45		132/33	Maharajganj		2.8	Functional	-	-
46	132KV Zamania	132/33	Dildar Nagar		16.5	Functional	-	-
47		132/33	Taighat		10.8	Functional	-	-
48		132/33	Amara		4	Functional	-	-
49	132KV Handia	132/33	Dhanu Pur		13.8	Functional	-	-
50		132/33	Kathara		9.15	Functional	-	-
51		132/33	Bamaila		4.56	Functional	-	-
52		132/33	Arakala		4	Functional	-	-
53	132KVBhupiamau	132/33	Raniganj		3.5	Functional	-	-
54		132/33	Viswanath ganj		6.3	Functional	-	-
55		132/33	Chibila		4.9	Functional	-	-
56		132/33	Sandwa Chandrican		8.4	Functional	-	-
57	132KV Kunda	132/33	Kaudihar		11.9	Functional	-	-
58		132/33	Bihar		3.5	Functional	-	-
59		132/33	Jethwara		3.5	Functional	-	-
60		132/33	Sangramgarh		4.9	Functional	-	-
61	132KV Sarnath	132/33	Cholapur		14	Functional	-	-
62		132/33	Kaithi		15	Functional	-	-
63	220KV Fatehpur	220/132/33	Bahua		14.8	Functional	-	-
64		220/132/33	Hussain Ganj		1	Functional	-	-
65	132KV Chunar	132/33	Ahraura		9.95	Functional	-	-
66		132/33	Chunar		1.22	Functional	-	-
67		132/33	Padari		3.75	Functional	-	-
68		132/33	Narainpur		6.8	Functional	-	-
69		132/33	Jamalpur		2.72	Functional	-	-
70	132KV Jigna	132/33	Rampur lathia		3.4	Functional	-	-
71		132/33	Manda		8.75	Functional	-	-
72		132/33	Arjunpur		2.6	Functional	-	-
73		132/33	Hargarh		4.2	Functional	-	-
74		132/33	Vijaipur		3.5	Functional	-	-
75		132/33	Harahua		13	Functional	-	-
76		132/33	Pindra		18	Functional	-	-

77	132KV Gajokhar	132/33	Sindhora		3	Functional	-	-
78		132/33	Newada		7.5	Functional	-	-
79		132/33	Anei		9	Functional	-	-
80	220KVPhoolpur		Karnaipur		2.8	Functional	-	-
81			Phoolpur		11.2	Functional	-	-
82			Sikandra		7	Functional	-	-
83	132KV Lalganj	132/33	Thekma		11.2	Functional	-	-
84		132/33	Bardah		7.2	Functional	-	-
85		132/33	Muftiganj		5.6	Functional	-	-
86		132/33	Tarawa		11.9	Functional	-	-
87		132/33	Gosaie Bazar		2.1	Functional	-	-
88		132/33	Dev Gaon		3.5	Functional	-	-
89		132/33	Shukupura		7	Functional	-	-
90		132/33	Bansdih		8.4	Functional	-	-
91	132KV Ballia	132/33	Rewati		6.3	Functional	-	-
92		132/33	Chitbaragaon		7.35	Functional	-	-
93	132KV Bansi	132/33	Bansi		7.5	Functional	-	-
94		132/33	Pathara		2.5	Functional	-	-
95		132/33	Rudhali		7.5	Functional	-	-
96		132/33	Naugarh -I		6	Functional	-	-
97		132/33	Naugarh-II		0	Functional	-	-
98	132KV Deoria	132/33	Gauribazar		4.9	Functional	-	-
99		132/33	Rudrapur		8.7	Functional	-	-
100		132/33	Barahaj		6	Functional	-	-
101		132/33	Usara		5.2	Functional	-	-
102		132/33	Tarkulwa		13.3	Functional	-	-
103	132KV Kasia	132/33	Sirsia		4.9	Functional	-	-
104		132/33	Hata		7	Functional	-	-
105		132/33	Fazil Nagar		7.7	Functional	-	-
106	132KV Naini Complex	132/33	Bheerpur		6.4	Functional	-	-
107	132KV Raja Ka Talab	132/33	Sevapuri		10	Functional	-	-
108		132/33	Thatra		13	Functional	-	-
109		132/33	Jakkhini		3.5	Functional	-	-

110	132KV Aurai	132/33	Lalanagar		17.5	Functional	-	-
111		132/33	MaharajGanj		11.2	Functional	-	-
112		132/33	Kachhwa		54.88	Functional	-	-
113	132KV Deoria	132/33	Rudrapur		8.70	Functional	-	-
114	220KV Nanauta		220KV Nanauta	112.00	90	Functional	-	-
115	220KV Nehtaur		220KV Nehtaur	90.00	72	Functional	-	-
116	132KV Najibabad		132KV Najibabad	42.00	34	Functional	-	-
117	132KV Chutmalpur		132KV Chutmalpur	93.00	75	Functional	-	-
118	132KV Chandpur		132KV Chandpur	70.00	50	Functional	-	-
119	132 KV S/S Jahanabad	132/33	Naw Ranga		7.2	Functional	-	-
120		132/33	Amauli		15.54	Functional	-	-
121		132/33	Bakewar		6.06	Functional	-	-
122		132/33	Digraua		11.66	Functional	-	-
123		132/33	Babai		7.14	Functional	-	-
124	132 KV Saidpur	132/33	Nandganj		9.1	Functional	-	-
125		132/33	Parasani		2.8	Functional	-	-
126		132/33	Bhimpar		14.7	Functional	-	-
127	132 KV FCI	132/33	Bhathat		10.5	Functional	-	-
128	132 KV Shatrughanpur	132/33	Rajdhani		3.5	Functional	-	-
129		132/33	Chauri Chaura		6.3	Functional	-	-
130		132/33	Motiram Adda		2.8	Functional	-	-
131		132/33	Palipa		2.4	Functional	-	-

Total load relief **1392.98**

Required load relief **551**

Under-frequency Relays setting : 49.0 Hz.

S.No.	Name of S/S with step down voltage	Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks / constraints, if any, in implement ation
			Peak	Average			

1	132KV Kundan Road	132/33	33KV Gokul Baba	16.00	12.00	Functional	-	-
2	132KV BLY-Town	132/33	33KV Nakatiya	16.00	12.00	Functional	-	-
3	33KV C.B.Ganj	220/132/33	33KV C.B.Ganj	16.00	12.00	Functional	-	-
4			33KV Quila	16.00	12.00	Functional	-	-
5			33KV Subhash Nagar	16.00	12.00	Functional	-	-
6	132KV Lakhimpur	132/33	3 KV Bhejam	18.00	15.00	Functional	-	-
7	132KV NKN	132/33	33KV Daliganj-I	21.00	15.00	Functional	-	-
8			33KV Daliganj-II	21.00	15.00	Functional	-	-
9			33KV Engg. College	16.00	11.00	Functional	-	-
10	132KV TRT	132/33	33KV TRT-I	16.00	14.35	Functional	-	-
11			33KV U.P.I.L.	18.00	16.30	Functional	-	-
12			33KV Vaid Steel-I	12.00	11.15	Functional	-	-
13			33KV Vaid Steel-II	12.00	11.40	Functional	-	-
14	132KV Ballia		Sonwani		8.75	Functional	-	-
15			Civil Lines		13.82	Functional	-	-
16	132KV Deoria		Deoria		9.80	Functional	-	-
17			Nath Nagar		3.50	Functional	-	-
18	132KV Kasia		Padrauna		10.10	Functional	-	-
19			Kushinagar		4.20	Functional	-	-
20			Ravindra Nagar		2.00	Functional	-	-
21	132KV Saidpur	132/33	Saidpur		8.40	Functional	-	-
22		132/33	Khanpur		11.20	Functional	-	-
23		132/33	Deboali		4.20	Functional	-	-
24	132KV Bina		Kota-II		4.10	Functional	-	-
25			Anpara-I		2.50	Functional	-	-
26	132KV Jigna		Manda		8.75	Functional	-	-
27	132KV Bhupiamau		Dahilamau		7.00	Functional	-	-
28			Babaganj		4.90	Functional	-	-
29			Karma Karamchand		2.80	Functional	-	-
30	132KV Handia		Handia		17.15	Functional	-	-
31	132KV Khalilabad		Oswal		6.00	Functional	-	-
32	132KV Bhadohi		Sarpatha		2.24	Functional	-	-
33			Bhadohi		54.60	Functional	-	-

34	132KV Aurai		Chilh		47.6	Functional	-	-
35	132KV Mau (Old)		Rahjaniya		11.5	Functional	-	-
36			Baktawarganj		11.5	Functional	-	-
37			Bhiti		10.43	Functional	-	-
38	220KV Baraut		220KV Baraut	110.00	91	Functional	-	-
39	220KV Muradnagar		220KV Muradnagar	75.00	60	Functional	-	-
40	220KV Khurja		220KV Khurja	235.00		Functional (blocked on 8.11.13)	-	-
41	132KV Mawana		132KV Mawana	75.00	60	Functional	-	-
42	132KV Jansath		132KV Jansath	55.00	46	Functional	-	-
43	220 KV Fatehpur	220/132/33	Fatehpur		12.46	Functional	-	-
44		220/132/33	Abu Nagar		11.03	Functional	-	-
45	132kv Chunar	132/33	Chunar		1.22	Functional	-	-
46	132KV Sarnath	132/33	Andharapul		13	Functional	-	-
47		132/33	Kashi-I		15	Functional	-	-
48		132/33	Kashi-II		15	Functional	-	-
49		132/33	Pandeypur		15	Functional	-	-
50	132 kv Ghazipur	132/33	Rauza		12.4	Functional	-	-
51		132/33	Prakash Nager		12.0	Functional	-	-
52	132kv Bhadohi	132/33	Sarpatha		2.24	Functional	-	-
53		132/33	Bhadohi		54.6	Functional	-	-
54	132 KV S/S Raja Ka Talab	132/33	Rohania		14.0	Functional	-	-
55		132/33	Lohta		7.5	Functional	-	-
56	132 KV S/S Manduadih, Varanasi	132/33	Varanasi-I		10.0	Functional	-	-
57		132/33	Varanasi-II		11.0	Functional	-	-
58		132/33	Varanasi-III		15.0	Functional	-	-
59		132/33	B.H.U.		13.0	Functional	-	-
60		132/33	Tarna		13.0	Functional	-	-
61		132/33	Dafi		10.0	Functional	-	-
62	132KV S/S Jaunpur	132/33	33kv Jaunpur Town		33.65	Functional	-	-
63		132/33	33KV Naiganj		3.15	Functional	-	-

Total load relief 987.49

Required load relief 554

Under-frequency Relays setting : 48.8 Hz.

S.No.	Name of S/S with step down voltage		Particulars of feeder	Load Relief (MW)		UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks / constraints, if any, in implement ation
				Peak	Average			
1	220KV Sitapur	220/132/33	33KV Talgaon	2.00	2.00	Functional	-	-
2	132KV Lakhimpur	132/33	33KV Sharda Nagar	20.00	18.00	Functional	-	-
3	132KV Lakhimpur	132/33	33KV Mela Ground	18.00	15.00	Functional	-	-
4	132KV Lakhimpur	132/33	33KV Laharpur	18.00	16.00	Functional	-	-
5	220KV Hardoi	220/132/33	33KV Pihani	13.00	10.00	Functional	-	-
6			33KV Itauli	3.50	2.90	Functional	-	-
7			33KV Beniganj	7.50	5.50	Functional	-	-
8			33KV Sursa	11.00	8.00	Functional	-	-
9			33KV Sawayajpur	13.00	9.80	Functional	-	-
10			33KV Chatiya	10.00	7.50	Functional	-	-
11	132KV Sonik	132/33	33KV Ajgain	21.00	16.00	Functional	-	-
12			33KV Purwa	7.00	5.00	Functional	-	-
13	132KV Kundan Road	132/33	33KV Safipur/Miyaganj	13.00	10.00	Functional	-	-
14	132KV Balrampur	132/33	33KV Tulsipur	17.00	13.00	Functional	-	-
15	132KV Mankapur	132/33	33KV Rehra	8.00	6.00	Functional	-	-
16	132KV Bahraich	132/33	33KV Gonda	9.00	7.00	Functional	-	-
17	132KV Nanpara	132/33	33KV Motipur	7.00	5.00	Functional	-	-
18	132KV Jagdishpur	132/33	33/11 Kv,5MVA T/F-I	4.50	3.35	Functional	-	-
19			33/11KV,5MVA T/F-II	4.00	3.05	Functional	-	-
20	220KV Sohawal	220/132/33	33KV Sohawal	7.00	5.00	Functional	-	-

21	132KV BLY-Town	132/33	33KV Shahdana	16.00	12.00	Functional	-	-
22			33KV Kutubkhana	16.00	12.00	Functional	-	-
23			33KV Sadar Cant.	6.50	5.00	Functional	-	-
24			33KV Doordarshan	9.00	6.00	Functional	-	-
25			33KV Distt.Court.	4.00	2.50	Functional	-	-
26	132KV Pilibhit	132/33	33KV Bhopatpur	8.00	6.00	Functional	-	-
27			33KV Majhola	16.00	12.00	Functional	-	-
28			33KV Puranpur	8.00	6.00	Functional	-	-
29			33KV Ramlila Ground	8.00	6.00	Functional	-	-
30			33KV Nakatadana	9.00	7.00	Functional	-	-
31			33KV Jahanabad	5.00	4.00	Functional	-	-
32	132KV Dohna	132/33	33KV Devraniya	13.00	10.00	Functional	-	-
33			33KV Avas Vikash	16.00	12.00	Functional	-	-
34			33KV Nawab ganj	16.00	12.00	Functional	-	-
35	220KV Shahjahanpur	220/132/33	33KV Tilhar	13.00	10.00	Functional	-	-
36			33KV Jalalabad	13.00	10.00	Functional	-	-
37			33KV Sindhauli	2.50	2.00	Functional	-	-
38			33KV Atsaliya	8.00	6.00	Functional	-	-
39			33KV Nigohi Road	2.50	2.00	Functional	-	-
40			33KV Hathora	9.00	7.00	Functional	-	-
41			33KV Jamaur	7.00	5.00	Functional	-	-
42	132 KV Shahjahanpur	132/66	66KV Katra	7.00	5.00	Functional	-	-
43			66KV Nigohi	4.00	3.00	Functional	-	-
44	220KV Basti		Purani Basti		6.50	Functional	-	-
45			Gandhi Nagar		3.00	Functional	-	-
46			Giddhi		7.57	Functional	-	-
47			Bade Ban		13.00	Functional	-	-
52	220KV Rewa Road		Naribari-I		16.00	Functional	-	-
53			Naribari-II		9.80	Functional	-	-
54			Shankargarh		10.00	Functional	-	-
55			Karelabagh		16.00	Functional	-	-
56			Indalpur		9.80	Functional	-	-
57			Jail Road		14.00	Functional	-	-
58			Someshwar Nath		5.6	Functional	-	-

59	132KV Naini Complex		Arail		5.6	Functional	-	-
60			Jail Road		8	Functional	-	-
61			Store		8.8	Functional	-	-
62			Cotton Mill		4.8	Functional	-	-
63	132KV Raja Ka Talab		Rohania		14	Functional	-	-
64			Lohta		7.5	Functional	-	-
65	132 KV Manduadih, Varanasi		Varanasi-I		10.0	Functional	-	-
66			Varanasi-II		11.0	Functional	-	-
67			Varanasi-III		15.0	Functional	-	-
68			B.H.U.		13.0	Functional	-	-
69			Bhadaini		15.0	Functional	-	-
70			Tarna		13.0	Functional	-	-
71			Dafi		10.0	Functional	-	-
72	220KV Shamli		220KV Shamli	75.00	60.00	Functional	-	-
73	132KV Amroha		132KV Amroha	65.00	55.00	Functional	-	-
74	132KV Purkazi		132KV Purkazi	35.00	27.00	Functional	-	-
75	132KV Deoband		132KV Deoband	85.00	68.00	Functional	-	-
76	132KV Bhoor		132KV Bhoor	50.00	40	Functional	-	-
77	132KV Hapur		132KV Hapur	120.00	93	Functional	-	-
78	132KV Dasna		132KV Dasna	45.00	40	Functional	-	-
79	132KV Bijnor		132KV Bijnor	75.00	60	Functional	-	-
80	132KV Khatauli		132KV Khatauli	30.00	25	Functional	-	-
81	132KV Partapur		132KV Partapur	50.00	40	Functional	-	-
82	132KV Siyana		132KV Siyana	37.00	30	Functional	-	-
83	220 KV Fatehpur	220/132/33	Bilinda (Thariyaon)		10.57	Functional	-	-
84		220/132/33	Ghazipur		12	Functional	-	-
85	132KV Malwa	132/33	Fatehpur		10.4	Functional	-	-
86		132/33	Bindki Road		11.2	Functional	-	-
87		132/33	UPSIDC		12	Functional	-	-
88	132KV Jigna	132/33	Manda		8.75	Functional	-	-
89		220/132/33	kandharapur		1.57	Functional	-	-

90	220KV Azamgarh	220/132/33	Bilariaganj		9.1	Functional	-	-
91		220/132/33	Jeanpur		8.4	Functional	-	-
92	132kv Bansi	132/33	Bansi		7.5	Functional	-	-
93		132/33	Pathara		2.5	Functional	-	-
94		132/33	Rudhali		7.5	Functional	-	-
95		132/33	Naugarh -I		6	Functional	-	-
96		132/33	Naugarh-II		0	Functional	-	-
97	132 KV Deoria	132/33	Gauribazar		4.9	Functional	-	-
98		132/33	Barahaj		6	Functional	-	-
99		132/33	Usara		5.2	Functional	-	-
100		132/33	Tarkulwa		13.3	Functional	-	-
101	132 KV Maharajganj	132/33	Siswa		5.6	Functional	-	-
102		132/33	Ghughli		3.65	Functional	-	-
103		132/33	Partawal		8	Functional	-	-
104		132/33	Nichlaul		7.3	Functional	-	-
105		132/33	Mithaura		0	Functional	-	-
106	132 KV Kasia	132/33	Sirsia		4.9	Functional	-	-
107		132/33	Hata		7	Functional	-	-
108		132/33	Fazil Nagar		7.7	Functional	-	-
109		132/33	Ramkola		10.5	Functional	-	-
110	132 KV FCI	132/33	Durga bari		13.3	Functional	-	-
111	132KV Robertsganj	132/33	Ghorawal		14	Functional	-	-
112		132/33	Pasahi		20	Functional	-	-
113		132/33	Naugarh		14	Functional	-	-
			Total load relief		**1368.41**			
			Required load relief		**559**			

Under-frequency Relays setting : 48.6 Hz.

			Load Relief (MW)		Target date	

S.No.	Name of S/S with step down voltage		Particulars of feeder	Peak	Average	UFR (Functional or Non-functional)	Target date for making UFR functional if not yet functional	Remarks / constraints, if any, in implement ation
1	220KV Sitapur	220/132/33	33KV Neri	14.00	11.00	Functional	-	-
2			33KV Misrikh	19.00	15.00	Functional	-	-
3			33KV Hussainganj	14.00	11.00	Functional	-	-
4			33KV Bhavanipur	14.00	11.00	Functional	-	-
5			33KV City-I	14.00	11.00	Functional	-	-
6			33KV Biswan	19.00	15.00	Functional	-	-
7	220KV Hardoi	220/132/33	132/33KV,40MVA T/F-I	42.00	28.00	Functional	-	-
8			132/33KV,40MVA T/F-II	42.00	28.00	Functional	-	-
9	220KV C.B. Ganj	220/132/33	33KV Parsa Khera	16.00	10.00	Functional	-	-
10	132KV BLY-Town	132/33	33KV BESU	16.00	12.00	Functional	-	-
11			33KV MES	9.00	6.00	Functional	-	-
12	132 KV Shahjahanpur	132/33	33KV Govind Ganj	13.00	10.00	Functional	-	-
13		132/66	66 KV Banda	10.00	7.50	Functional	-	-
14	132KV Bhadohi		Parsipur		2.50	Functional	-	-
15	132KV Khalilabad		Industrial		10.00	Functional	-	-
16			Mukhlishpur		0.50	Functional	-	-
17	220KV Basti		Kaili Hospital		0.50	Functional	-	-
18			Court		0.70	Functional	-	-
19	132KV Kauriram		Baranagar		0.56	Functional	-	-
20			Goyal edibels		1.00	functional	-	-
21	132KV Ghazipur		Mardah		0.50	functional	-	-
22			Talwal		7.20	functional	-	-
23	132KV Zamania		Chakka Bandh Pump Canal		5.00	functional	-	-
24			Bira Sarai P/C		2.00	functional	-	-
25	132KV Chunar		JHV		3.75	functional	-	-
26			Shantigopoal		5.11	functional	-	-

27	132KV Gajokhar		Industrial		1.50	functional	-	-
28			Airport		1.00	functional	-	-
29			Neyardi		1.00	functional	-	-
30			Karkhiao		1.00	functional	-	-
31			Uttara		0.50	functional	-	-
32	132KV Bina		Bina-I		7.70	functional	-	-
33			Bina-II		7.70	functional	-	-
34			Kota-II		4.10	functional	-	-
35			Anpara-I (UPRVUNL)		2.94	functional	-	-
36	132KV Naini Complex		Raymond		4.8	Functional	-	-
37			NIC-		4.8	Functional	-	-
38	132 KV Manduadih, Varanasi		D.L.W.		5	Functional	-	-
39			N.E.R Manduadih		0.8	Functional	-	-
40			NR CANTT.		1	Functional	-	-
41	132KV Mau (Old)		Hospital Bay		0.07	Functional	-	-
42	220KV Loni		220KV Loni	55.00	46.00	Functional	-	-
43	132KV Mohan Nagar		132KV Mohan Nagar	80.00	64.00	Functional	-	-
44	132KV I.A. GZB		132KV I.A. GZB	30.00	23.00	Functional	-	-
45	132KV BSR GZB		132KV BSR GZB	26.00	21.00	Functional	-	-
46	220KV Dadri		220KV Dadri	31.00	25.00	Functional	-	-
47	220KV Nara		220KV Nara	80.00	64.00	Functional	-	-
48	220KV Sikandrabad		220KV Sikandrabad	40.00	32.00	Functional	-	-
49	132KV Surajpur		132KV Surajpur	75.00	60.00	Functional	-	-
50	132KV Morta		132KV Morta	85.00	68.00	Functional	-	-
51	220KV Azamgarh		Mubarakpur		11.20	Functional	-	-
52	132kv Jaunpur		33 KV Hospital		0.49	Functional	-	-
53	132kv Machlishahar		Satahariya-I		2.80	Functional	-	-
54			Satahariya-II		5.60	Functional	-	-
55	132kv Deoria		Deoria		9.8	Functional	-	-
56			Rudrapur		8.7	Functional	-	-
57			Nath Nagar		3.5	Functional	-	-
58	132 KV Maharajganj		Anand Nagar		1.75	Functional	-	-
59			Padrauna		10.1	Functional	-	-

60	132kv Kasia		Kushinagar		4.2	Functional	-	-
61			Ravindra Nagar		2	Functional	-	-
62	132 kv Khalilabad		Industrial		2.5	Functional	-	-
63			Mukhlishpur		10	Functional	-	-
64	132 KV FCI		Vikash Nagar		5.6	Functional	-	-
65			Air Force		4.5	Functional	-	-
66			City Feeder		11.2	Functional	-	-
67			Ankur Udyog		2.6	Functional	-	-
68			Rapti Nagar		9.8	Functional	-	-
69			Pipraich		9.6	Functional	-	-
70			J.C.C.		4.5	Functional	-	-
71			V.N. Dyer		2.1	Functional	-	-
72	132 KV Shatrughanpur		Sardar Nagar		0.5	Functional	-	-
73	132KV Robertsganj		Robertsganj		14	Functional	-	-
74			Churk II		0.4	Functional	-	-

Total load relief **799.17**

Required load relief **561**

U.P.		Load Relief (MW)	Targeted Load Relief (MW)	% Load Relief implemented w.r.t. Target load Relief
1	**Total Load relief at frequency 49.2Hz**	**1393.0**	551	**252.8**
2	**Total Load relief at frequency 49.0Hz**	**987**	554	**178.2**
3	**Total Load relief at frequency 48.8Hz**	**1368**	559	**244.8**
4	**Total Load relief at frequency 48.6Hz**	**799**	561	**142.5**
5	**Total Load releif at flat frequency**	**4548**	2225	**204.4**

Status as on 02.12.2013

Revised UFRs based automatic load shedding scheme i.e. at 49.2 hz, 49.0 hz, 48.8 hz & 48.6 hz.

S.No.	State	Peak Met during 2012-'13 (MW)(Source: CEA)	49.2 Hz.		49 Hz.		48.8 Hz.		48.6 Hz.		State wise load relief on implementation of revised frequency setting of UFRs at stages of 49.2 hz, 49.0 hz,		Remarks/Status
		MW	Target (MW)	Implemented (MW)	Target (MW)	Implemented (MW)	Target (MW)	Implemented (MW)	Target (MW)	Implemented (MW)	Implemented Load Relief (MW)	Targeted Load Relief (MW)	
1	Chandigarh	340	16	0	16	0	16	0	16	0	0	64	Not yet implemented
2	Delhi	5642	258	297	259	353	262	429	263	1049	2127	1042	Scheme implemented at all four stages
3	Haryana	6725	308	366	309	417	312	0	314	0	782	1243	Scheme implemented only at 49.2 Hz. & 49.0 Hz.
4	Himachal Pradesh	1672	77	30.2	77	40.8	78	0	78	78	149	310	Scheme implemented at frequency stages 49.2 Hz., 49.0 Hz., & 48.6 Hz.
5	J&K	1817	83	0	84	0	84	0	85	0	0	336	Not yet implemented
6	Punjab	8751	400	435	402	575	406	807	408	415	2232	1616	Scheme implemented at all four stages
7	Rajasthan	8515	390	1657	392	1659	395	0	397	0	3316	1574	Scheme implemented only at frequency stages 49.2 Hz. & 49.0 Hz.
8	UP (Avg.MW Relief)	12048	551	1393	554	987	559	1368	561	799	4548	2225	Scheme implemented at all frequency stages
9	Uttarakhand#	1674	77	90	77	100	78	0	78	0	190	310	Scheme implemented only at frequency stages 49.2 Hz. & 49.0 Hz.
10	Total load Relief (MW) by all NR states at each stage of frequency setting at 49.2 hz, 49.0 hz, 48.8 hz & 48.6 hz.	47184	2160	4267	2170	4132	2190	2604	2200	2341	13344	8720	

Not yet implemented

Partially implemented