



National Load Despatch Centre
पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID)

CIN No.: U40105DL2009GOI188682

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref:POSOCO/NLDC/SO/Weekly Report

Date:16th September 2016

To,

1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई - 400093
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतेिह, लोअर नॉग्रह , लापलंग, शिलोंग - 793006
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 5th September to 11th September 2016.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 05 सितंबर से 11 सितंबर 2016, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट राभाप्रेके की वेबसाइट पर निम्न लिंक पर उपलब्ध है :-

As per article 5.5.1 of the Indian Electricity Grid Code, the weekly status report pertaining power supply position report of All India Power System for the week 5th September to 11th September 2016, is available at the NLDC website, at the following link.

<http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%20050916%20to%20110916.pdf>

Thanking You.

Yours faithfully,

DGM (SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (05 सितंबर से 11 सितंबर - 2016 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 16-Sep-16

1. अधिकतम मांग आपूर्ति और आधिकतम कमी (मे०वा०)

क्षेत्र	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
05-09-2016	48001	874	39879	39	34826		17663		2452	93	142821	1006
06-09-2016	49249	1339	42450	116	38057		17887		2376	108	150020	1563
07-09-2016	48948	1851	43343	119	38105		17199	200	2333	196	149928	2366
08-09-2016	50668	1106	46251	132	39324		17149		2449	181	155841	1419
09-09-2016	51312	1926	45808	23	38622		17907	500	2409	206	156058	2655
10-09-2016	50725	1093	46783		37277		17622	100	2446	129	154853	1322
11-09-2016	49459	1003	44246		34892		17221	150	2373	153	148191	1306

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन
	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)
05-09-2016	1068	324	906	99	800	45	363	82	43	21	3181	572
06-09-2016	1098	329	968	104	866	54	352	78	46	20	3329	585
07-09-2016	1131	324	996	107	897	52	356	80	45	19	3425	583
08-09-2016	1147	317	1033	98	917	53	369	83	46	20	3512	571
09-09-2016	1161	316	1043	91	913	54	376	81	47	21	3539	563
10-09-2016	1164	320	1052	86	901	44	376	79	46	19	3540	549
11-09-2016	1133	315	1017	67	830	34	370	83	45	22	3394	522

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड
05-09-2016	4.88	4.88	80.38	14.73	49.99	0.033
06-09-2016	10.95	11.32	78.36	10.32	49.98	0.042
07-09-2016	22.75	24.93	69.75	5.32	49.95	0.075
08-09-2016	9.44	9.73	78.63	11.63	49.98	0.040
09-09-2016	2.84	2.84	76.31	20.86	50.00	0.031
10-09-2016	0.58	0.58	71.78	27.64	50.02	0.026
11-09-2016	0.72	0.72	74.27	25.01	50.02	0.028

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 400 kV Khandwa-Betul-I first time charged from Khandwa end at 20:16 hrs on 06.09.16
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5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	05-09-2016		06-09-2016		07-09-2016		08-09-2016		09-09-2016		10-09-2016		11-09-2016	
	States	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	9497	0	9566	0	9891	0	9960	0	10182	0	9915	0	9665	0
	Haryana	8310	0	8189	59	8560	62	8772	0	8844	0	8921	0	8286	0
	Rajasthan	7985	0	8329	0	8385	0	8664	0	8880	0	9021	0	9020	0
	Delhi	4798	0	4832	5	4867	0	4962	0	5021	0	4851	0	4828	0
	UP	15271	0	14604	0	15180	105	15401	0	15201	175	15457	500	15211	475
	Uttarakhand	1818	0	1775	0	1836	0	1906	0	1942	0	1915	0	1734	0
	HP	1239	0	1242	20	1258	0	1329	0	1297	0	1312	0	1166	15
	J&K	1818	454	1919	480	1872	468	2064	516	1865	466	1792	448	1866	466
Chandigarh	309	0	306	0	311	0	309	0	307	0	269	0	249	0	
WR	Chhattisgarh	3445	0	3482	0	3559	0	3561	0	3364	0	3197	0	3102	0
	Gujarat	12447	0	12791	0	12920	0	13778	10	13936	0	14336	0	13762	0
	MP	6782	0	7150	0	7444	0	7523	0	7629	0	7773	0	7622	0
	Maharashtra	16777	0	19334	0	19741	0	20129	0	20005	0	20417	0	18954	0
	Goa	298	0	311	0	401	0	383	0	373	0	404	0	373	0
	DD	273	0	317	0	316	0	310	0	307	0	305	0	291	0
	DNH	709	0	737	0	746	0	748	0	743	0	752	0	742	0
	Essar steel	465	0	499	0	521	0	500	0	510	0	522	0	562	0
SR	Andhra Pradesh	6609	0	6825	0	7050	0	7714	0	7439	0	7284	0	6690	0
	Telangana	6974	0	7414	0	7679	0	7915	0	8220	0	7602	0	6593	0
	Karnataka	8153	0	9135	600	9327	0	9490	0	8907	0	9497	0	9074	0
	Kerala	3481	0	3466	0	3463	0	3465	0	3513	0	3428	0	3279	0
	Tamil Nadu	12293	0	13350	0	13304	0	13705	0	13539	0	14187	0	12064	0
	Pondy	277	0	327	0	334	0	331	0	340	0	323	0	293	0
ER	Bihar	3349	0	3370	0	3324	0	3345	0	3325	100	3276	100	3356	0
	DVC	2977	0	2883	0	2893	0	2498	0	2589	0	2689	0	2683	0
	Jharkhand	1049	0	1112	0	1131	0	1053	0	1027	0	1097	0	1065	0
	Odisha	3811	0	3839	0	3770	0	3889	0	3808	0	3713	0	3720	0
	West Bengal	7486	0	7445	0	7618	0	7796	0	7864	0	7835	0	7474	0
	Sikkim	76	0	80	0	91	0	91	0	85	0	86	0	71	0
NER	Arunachal Pradesh	106	5	127	1	110	1	116	2	109	1	100	1	100	2
	Assam	1546	45	1546	20	1470	147	1564	81	1500	124	1537	59	1502	101
	Manipur	129	6	125	2	125	2	143	2	143	2	141	1	136	2
	Meghalaya	272	0	242	0	253	0	291	0	287	0	291	0	262	0
	Mizoram	75	3	68	2	68	2	76	1	76	2	76	2	68	3
	Nagaland	100	6	104	1	104	2	97	3	111	1	107	3	105	5
	Tripura	253	0	246	0	244	1	254	1	259	1	255	1	240	0

6. Energy Consumption in States (MUs)

Region	States	05-09-2016	06-09-2016	07-09-2016	08-09-2016	09-09-2016	10-09-2016	11-09-2016
NR	Punjab	210.2	215.5	230.7	229.4	231.8	227.8	216.6
	Haryana	160.1	168.0	174.4	179.1	180.3	183.3	177.7
	Rajasthan	173.3	184.6	188.5	193.0	203.1	203.8	203.4
	Delhi	100.1	99.5	100.9	102.3	104.9	99.8	95.6
	UP	319.2	324.7	326.1	329.6	329.8	334.0	335.8
	Uttarakhand	37.4	35.0	39.8	40.7	40.4	45.8	38.3
	HP	26.2	26.7	26.9	28.4	27.5	27.7	25.0
	J&K	35.8	37.8	37.3	38.2	36.8	35.9	35.2
Chandigarh	6.0	6.1	6.1	6.0	5.9	5.7	5.2	
WR	Chhattisgarh	79.1	80.8	83.0	83.4	78.8	75.3	73.3
	Gujarat	275.8	286.6	289.4	305.5	313.4	319.0	311.5
	MP	143.3	149.0	155.7	160.5	164.0	169.4	171.4
	Maharashtra	369.4	410.9	425.6	441.6	443.8	445.1	416.4
	Goa	6.5	6.5	7.7	8.4	8.3	8.8	8.1
	DD	6.0	6.7	7.0	7.0	6.9	6.6	6.8
	DNH	16.3	16.7	17.0	17.3	17.2	17.2	17.0
	Essar steel	9.8	10.7	11.0	9.8	10.8	11.0	12.2
SR	Andhra Pradesh	147.4	154.9	160.8	167.4	169.9	160.8	150.0
	Telangana	154.2	163.8	169.9	173.3	173.8	161.2	141.5
	Karnataka	170.7	190.0	197.4	203.5	192.5	203.4	194.6
	Kerala	63.6	65.6	65.6	65.4	65.8	65.8	62.0
	Tamil Nadu	257.8	285.4	296.7	300.6	303.8	302.9	275.9
	Pondy	5.8	6.6	6.9	7.0	7.2	6.9	6.3
ER	Bihar	71.5	66.3	67.0	67.3	71.8	68.1	68.8
	DVC	60.9	58.2	58.8	61.5	62.1	61.9	62.0
	Jharkhand	20.6	21.0	24.0	20.9	21.3	22.5	21.7
	Odisha	70.6	71.4	72.3	74.0	72.3	73.9	73.9
	West Bengal	138.7	134.1	132.7	144.0	147.0	148.9	142.6
	Sikkim	1.1	1.1	1.1	1.3	1.2	1.2	1.0
NER	Arunachal Pradesh	2.0	2.2	2.0	1.9	2.0	2.0	1.9
	Assam	27.5	30.0	29.3	29.8	31.0	29.8	29.1
	Manipur	1.8	2.0	2.0	1.9	1.9	2.0	1.9
	Meghalaya	4.9	4.6	4.4	5.6	4.7	4.9	5.0
	Mizoram	1.1	1.2	1.2	1.2	1.3	1.3	1.2
	Nagaland	2.0	1.8	1.9	1.6	1.7	2.0	2.0
	Tripura	4.1	4.1	4.1	3.9	4.0	3.9	4.0
ALL INDIA TOTAL		3180.7	3329.7	3425.2	3512.2	3538.7	3539.5	3394.5

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (05 सितंबर से 11 सितंबर - 2016 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)]

दिनांक	05-09-2016	06-09-2016	07-09-2016	08-09-2016	09-09-2016	10-09-2016	11-09-2016
East to North	-52.9	-46.5	-53.0	-55.0	-54.0	-50.0	-49.0
East to West	12.9	11.7	6.0	2.0	11.0	26.0	15.0
East to South	-43.8	-54.0	-58.0	-58.0	-60.0	-58.0	-51.0
East to North-East	-14.3	-16.9	-17.0	-17.0	-17.0	-17.0	-13.0
North to North-East	16.1	16.1	15.9	16.1	16.1	16.1	15.9
West to North	-147.7	-142.0	-132.6	-156.0	-137.2	-147.3	-124.7
West to South	-58.6	-57.4	-66.0	-63.0	-68.0	-58.0	-51.0

**भूटान , नेपाल एव बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL
EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH**

साप्ताहिक रिपोर्ट (05 सितंबर से 11 सितंबर - 2016 तक)

अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-)] Transnational Exchange from India (Import=(+ve) /Export =(-ve))

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange (In MU)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)
05-09-2016	34.2	1427	-4.6	-187	-193	-12.2	-555	-509
06-09-2016	33.1	1378	-5.2	-200	-217	-12.5	-557	-521
07-09-2016	32.9	1372	-5.1	-195	-212	-13.3	-566	-554
08-09-2016	34.0	1415	-5.1	-201	-211	-13.3	-578	-556
09-09-2016	34.6	1442	-5.0	-192	-208	-13.2	-574	-550
10-09-2016	34.2	1424	-4.3	-183	-180	-12.9	-560	-538
11-09-2016	34.4	1435	-4.7	-196	-195	-13.0	-558	-540
कुल Total	237.4		-34.0			-90.4		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time					
1	NR	1)400 kV Panki-Rewa Road 2)400 kV Rewa Road -Obra 3) Unit-I & II , Bara Generation	UP/JP	05.09.2016	17:11	05.09.2016	19:22	02:11	Due to Y-N fault in 220 kv lines from Rewa Road station, the lines given in column C tripped with generating units tripping on loss of evacuation paths.	850		GD-I
2	SR	1) 400kV Kalpakka-Gazuwaka line-1&2 2) 400kV Simhadiri-Kalpakka line-1,2&4 3)400kV Vijayawada-Gazuwaka line 4) 400/220 kV ICT-1 at Gazuwaka 5) HNPCL U#2 6) 400kV Kalpakka-Simhadiri line-2,3&4	PG	06.09.2016	16:43	06.09.2016	17:33	00:50	Triggering incident was failure of circuit breaker of bus reactor. This resulted in a bus fault in 400kV bus-1 resulting in tripping of 400kV elements connected to Bus-1 i.e. ICT-1, Hinduja-1, Vemagiri-1 & Simhadiri-3. Fault was cleared by operation of Bus-bar protection.400kV Kalpakka-Gazuwaka line-1&2, 400kV Simhadiri-Kalpakka line-1,2&4, 400kV Vijayawada-Gazuwaka line, ICT-1 at Gazuwaka, HNPCL U#2 also got tripped during the incident. Delayed clearance of fault was observed from PMU data plots i.e. fault cleared in 480ms. Generation loss due to tripping of Unit-1 at HNPCL was 350MW and load loss in AP system was 300 MW.HVDC Gajuwaka flow was reduced from 250MW to 165 MW (each) and flow on HVDC Talcher-Kolar ploe- 1 & 2 was ramped up to 1250 MW (each) from 1000MW (each). 400kV Kalpakka-Simhadiri line-2,3&4 tripped on operation of Over-voltage stage-2 protection.	600		GD-I
3	NR	1) 220 kV Samaypur(BBMB)-Ballabgarh-I,II,III 2) 220 kV Samaypur(BBMB)-Faridabad(NTPC)-I 3) 220 kV Samaypur(BBMB)-Palli(HVNL)-I 4) 220 kV Samaypur(BBMB)-Badshahpur(HVNL)-I 5) 220 kV Samaypur(BBMB)-Palwal-II 6) 400 kV Ballabgarh-Bamnauli 7) 400 kV Ballabgarh-Maharanibagh 8) 400 kV Dadri-G.Noida 9) Faridabad Unit-I,II & III	BBMB	06.09.2016	19:44	06.09.2016	20:02	00:18	Due to Bus Fault at 220 kV Samaypur(BBMB) station, elements given in column C tripped.	300	800	GD-I
4	ER	1) 220 kV Biharsharif-Begusrai D/C 2) 315 MVA ICT-2,3 at Biharshariff	PG/BSEB	07.09.2016	03:57	07.09.2016	04:45	00:48	220 kV Biharsharif-Begusrai D/C tripped on R-N fault causing power failure at Begusarai, Darbhanga and Samastipur. Inclement weather reported around Begusarai. Darbhanga was being fed radially from Begusarai via 220 kV transfer bus of Muzaffarpur (BSEB) as reported. At the same time 315 MVA ICT-2,3 at Biharshariff tripped on back up overcurrent protection . Traction load of 3-4 MW (approx.) at Samastipur also lost. Traction Load at Samastipur restored at 04:17 hrs from 132kV Jandaha S/S. 315MVA ICT-2 &3 at BSF also restored by 04:32 hrs.		300	GD-I
5	WR	1) 220 kV Shivpuri-Bina(MP) 2) 220 kV Shivpuri-Sabalgarh-I & II 3) 160 MVA ICT-I & II at Shivpuri 4) 160 MVA ICT-I & II at Sabalgarh	MPPTCL	06.09.2016	21:17	06.09.2016	22:33	01:16	Due to jumper opening at 220 kV Shivpuri-Bina(MP), busbar protection operated at 220 kV Shivpuri station.		228	GD-I