



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:23rd 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., डोंगतिह, 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 12th September to 18th September 2016.

महोदय/Dear Sir,


आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 12 सितंबर से 18 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 12th September to 18th September 2016, is available at the NLDC website, at the following link.

<http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%20120916%20to%20180916.pdf>

Thanking You.

Yours faithfully,


DGM (SO)

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

साप्ताहिक रिपोर्ट (12 सितंबर से 18 सितंबर - 2016 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 23-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)
12-09-2016	49927	2372	47371	12	37404		17948	100	2384	153	155034	2637
13-09-2016	51314	581	46470	23	35914		17350		2435	94	153483	698
14-09-2016	51816	956	44621		34820		17837		2348	196	151441	1152
15-09-2016	51197	1229	39880	30	35109		18003		2366	147	146555	1406
16-09-2016	50720	1715	42189	30	35484		18086		2395	117	148874	1862
17-09-2016	50771	1002	41296		35566		17303	250	2344	43	147280	1295
18-09-2016	49171	1030	39533	29	34579		17309	318	2366	86	142958	1463

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)
12-09-2016	1146	317	1069	76	856	37	373	83	45	22	3490	535
13-09-2016	1143	308	1064	76	842	33	371	87	44	19	3463	523
14-09-2016	1136	302	1027	36	808	25	373	88	46	20	3390	472
15-09-2016	1143	298	962	34	796	30	381	87	46	20	3328	468
16-09-2016	1138	292	954	39	799	36	383	90	45	18	3319	474
17-09-2016	1126	280	919	30	794	44	359	88	44	18	3242	459
18-09-2016	1102	276	894	34	791	36	357	90	42	18	3185	453

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
12-09-2016	2.87	2.91	72.22	24.87	50.01	0.032
13-09-2016	2.87	2.91	72.22	24.87	49.99	0.030
14-09-2016	2.71	2.71	77.69	19.61	50.00	0.029
15-09-2016	0.42	0.42	73.41	26.17	50.02	0.025
16-09-2016	3.10	3.10	79.00	17.89	50.00	0.027
17-09-2016	2.67	2.67	75.22	22.11	50.01	0.031
18-09-2016	2.91	2.91	80.13	16.97	50.00	0.028

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 400/220 kV 500 MVA ICT first time charged from 400 kV end at Ballabgarh in place of 315 MVA ICT-II on 13.09.16.
2. 765/400 kV ICT-II at Anta first time charged from 765 kV side on 17.09.16 at 1552 hrs.

5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	12-09-2016		13-09-2016		14-09-2016		15-09-2016		16-09-2016		17-09-2016		18-09-2016	
	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	9647	0	9598	0	9552	0	9393	0	9470	0	9479	0	9360	0
	Haryana	8490	109	8720	0	8789	0	8828	0	8794	0	8729	0	8285	0
	Rajasthan	9081	259	9347	340	9174	612	8982	309	8974	606	9274	0	9048	335
	Delhi	4937	0	5006	0	5029	0	4996	0	5059	5	4932	0	4926	0
	UP	15398	0	14785	0	15182	100	15281	0	15382	0	14331	0	14284	0
	Uttarakhand	1832	0	1737	0	1867	0	1854	0	1908	0	1797	0	1721	0
	HP	1244	16	1308	0	1259	0	1299	0	1314	0	1254	0	1174	0
	J&K	1838	459	1900	475	1851	463	1876	469	1897	474	1790	447	1872	468
Chandigarh	313	0	265	0	284	0	276	0	283	0	268	0	258	0	
WR	Chhattisgarh	3133	0	3219	0	3173	0	3372	0	3425	0	3229	0	3178	0
	Gujarat	14617	0	14786	0	14992	0	13965	0	14502	0	14235	5	13569	0
	MP	7997	0	7970	0	7599	0	7311	0	7464	0	6820	2	6920	0
	Maharashtra	20714	0	19953	0	18536	0	16362	0	16833	0	16285	0	15961	0
	Goa	398	0	409	0	415	0	395	0	469	0	386	0	393	0
	DD	307	0	311	0	318	0	311	0	318	0	300	0	296	0
	DNH	763	0	740	0	746	0	748	0	737	0	725	0	739	0
	Essar steel	577	0	604	0	555	0	556	0	559	0	438	0	526	0
SR	Andhra Pradesh	6651	0	6578	0	6105	0	6095	0	6240	0	6445	0	6452	0
	Telangana	6925	0	6358	0	5917	0	5909	0	6020	0	6196	0	6116	0
	Karnataka	9072	0	8675	0	8702	300	7889	300	7913	0	7872	0	7626	0
	Kerala	3326	0	3151	0	2804	0	3103	0	3169	0	3249	0	3051	0
	Tamil Nadu	13839	0	13530	0	13716	0	13760	0	13419	0	13337	0	12915	0
	Pondy	315	0	317	0	322	0	330	0	353	0	310	0	304	0
ER	Bihar	3440	100	3265	0	3399	0	3387	0	3274	0	3225	0	3291	0
	DVC	2643	0	2670	0	2699	0	2614	0	2584	0	2569	0	2597	0
	Jharkhand	1130	0	1093	0	1069	0	1015	0	1051	0	1001	0	1076	0
	Odisha	3831	0	3821	0	3840	0	3796	0	3810	0	3903	0	3885	0
	West Bengal	7784	0	7392	0	7694	0	7809	0	7679	0	7089	0	7303	0
	Sikkim	89	0	85	0	77	0	93	0	76	0	75	0	69	0
NER	Arunachal Pradesh	101	5	101	5	92	4	89	1	91	6	105	0	104	1
	Assam	1523	91	1569	17	1465	164	1531	79	1527	93	1502	7	1532	1
	Manipur	141	3	144	3	118	2	118	2	121	1	117	0	127	0
	Meghalaya	250	0	269	0	276	0	265	0	245	0	242	0	256	0
	Mizoram	76	2	74	2	68	1	63	2	63	0	65	3	68	0
	Nagaland	100	6	94	7	101	2	102	1	102	3	102	5	106	1
	Tripura	239	1	245	0	251	0	260	0	260	0	238	0	256	0

6. Energy Consumption in States (MUs)

Region	States	12-09-2016	13-09-2016	14-09-2016	15-09-2016	16-09-2016	17-09-2016	18-09-2016
NR	Punjab	221.0	222.4	211.5	210.8	215.1	211.8	210.1
	Haryana	178.6	180.3	179.8	179.2	179.6	176.2	170.7
	Rajasthan	206.9	198.4	209.0	205.6	204.1	210.1	203.2
	Delhi	102.3	105.6	104.6	106.6	105.6	103.7	99.2
	UP	333.0	331.3	326.6	331.4	323.0	319.8	315.9
	Uttarakhand	38.2	35.0	37.8	40.0	40.3	37.7	36.7
	HP	26.9	27.6	27.5	28.7	27.1	24.6	24.8
	J&K	33.5	36.4	33.4	35.4	37.2	36.4	35.8
Chandigarh	5.9	5.5	5.6	5.6	5.7	5.4	5.1	
WR	Chhattisgarh	70.9	73.3	71.4	77.1	79.4	73.5	76.9
	Gujarat	325.3	329.0	333.6	317.0	318.2	317.5	293.8
	MP	178.1	180.5	173.2	168.1	163.5	152.5	151.2
	Maharashtra	450.7	436.2	404.8	355.7	347.8	336.5	330.5
	Goa	8.2	8.9	9.0	8.8	9.8	7.0	7.7
	DD	6.7	7.1	7.0	7.0	7.1	6.7	6.5
	DNH	17.4	17.0	17.1	17.1	16.9	16.6	16.9
	Essar steel	12.0	12.3	11.3	11.5	11.3	8.2	10.3
SR	Andhra Pradesh	151.3	146.8	140.8	135.8	138.1	138.2	141.2
	Telangana	146.6	137.2	129.7	126.3	130.0	130.8	134.8
	Karnataka	196.8	193.6	177.5	169.8	171.4	171.4	169.8
	Kerala	62.8	61.6	56.0	58.8	60.8	62.2	58.2
	Tamil Nadu	292.0	300.6	297.3	298.0	292.2	284.6	280.6
	Pondy	6.5	6.8	6.7	6.8	6.8	6.7	6.5
ER	Bihar	63.9	71.7	71.3	72.0	70.9	65.9	68.0
	DVC	62.4	62.0	63.0	62.7	62.8	57.9	57.9
	Jharkhand	21.0	21.5	20.4	21.3	21.9	21.6	21.0
	Odisha	73.3	74.2	75.3	75.4	75.0	76.0	77.1
	West Bengal	151.3	140.1	141.9	148.2	151.2	136.4	131.5
	Sikkim	1.2	1.4	1.1	1.2	1.3	1.3	1.3
NER	Arunachal Pradesh	2.0	2.1	1.9	1.9	1.9	1.8	1.9
	Assam	29.5	28.4	28.9	29.7	29.1	28.8	27.3
	Manipur	1.9	2.0	1.9	1.9	2.1	1.8	1.8
	Meghalaya	4.1	4.1	5.6	5.0	5.1	4.9	4.3
	Mizoram	1.2	1.2	1.4	1.1	1.1	1.1	1.1
	Nagaland	2.0	1.8	1.9	1.8	1.8	1.8	1.8
	Tripura	4.1	4.2	4.3	4.1	3.9	4.1	4.1
ALL INDIA TOTAL		3489.5	3467.8	3390.0	3327.7	3319.1	3241.5	3185.2

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

साप्ताहिक रिपोर्ट (12 सितंबर से 18 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	12-09-2016	13-09-2016	14-09-2016	15-09-2016	16-09-2016	17-09-2016	18-09-2016
East to North	-59.0	-59.0	-60.6	-62.3	-59.0	-60.0	-64.0
East to West	5.0	-1.0	7.9	17.7	16.0	13.0	11.0
East to South	-41.0	-38.0	-42.8	-38.4	-37.0	-33.0	-27.0
East to North-East	-14.0	-15.0	-17.5	-17.9	-19.0	-18.0	-14.0
North to North-East	16.3	15.5	16.1	15.9	15.9	17.2	16.0
West to North	-140.5	-146.7	-146.7	-149.4	-142.9	-149.3	-148.6
West to South	-56.0	-58.0	-31.0	-35.0	-46.0	-43.2	-56.0

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

साप्ताहिक रिपोर्ट (12 सितंबर से 18 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)
12-09-2016	34.4	1431	-4.1	-173	-171	-12.8	-554	-534
13-09-2016	34.4	1432	-4.5	-187	-186	-12.0	-555	-501
14-09-2016	34.4	1433	-4.7	-192	-198	-12.4	-561	-519
15-09-2016	31.7	1322	-5.2	-218	-215	-12.9	-554	-539
16-09-2016	33.6	1400	-4.2	-156	-173	-13.3	-568	-554
17-09-2016	34.2	1424	-2.8	-112	-116	-12.7	-550	-527
18-09-2016	34.1	1419	-3.7	-141	-153	-13.0	-558	-541
कुल Total	236.6		-29.1			-89.1		

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	SR	1) 220kV LowerPeriyar-Madakkathara#1 2) LowerPeriyar-Madakkathara#2 3) 220 kV Pallom-Ambalamugal 4) Idukki Unit-I,II & III	KSEB	12.09.2016	14:47	12.09.2016	15:21	00:34	Due to tripping of 220kV LowerPeriyar-Madakkathara#1 , 2LowerPeriyar-Madakkathara#2 and 2Pallom-Ambalamugal feeders and tripping of 3 machines at Idukki GS resulting a demand loss of 690 MW.220kV Substations at Kalamassery,Brahmapuram,Amabalamugal,Pallom and NewPallom and nearby 110kV Substations are affected.Machines at Idukki,Neriamangalam,Panniar,Chengulam,Pallivasal Generating stations were tripped .220kV Sabarigiri-Pallom,220kV Sabarigiri-Ambalamugal,220kVPunnapra-NewPallom ,220Kayamkulam-NewPallom and 220kV Idukki-Udumalpet feeders were out of service	690	GD-I	
2	ER	1) 132kv Purnea(BSPHCL)-Purnea ckt-III. 2)132 KV Purnea-Phorbisganj 3)132 KV Purnea(PG)-Kishanganj 4) 132 KV Madhepura-Supaul D/c 5) 220kv Purnea(PG)-Madhepura D/c	BSPHCL	12.09.2016	22:40	12.09.2016	22:55	00:15	All 132 KV lines emanating from 132 kv Purnea (BSPHCL) S/S got tripped due to Y-phase jumper snapped in 132kv Purnea(BSPHCL)-Purnea ckt-III. Consiquently, 132 KV Purnea-Phorbisganj, 132 KV Purnea(PG)-Kishanganj, 132 KV Madhepura-Supaul D/c and 220kv Purnea(PG)-Madhepura D/c also tripped due to over current protection. Power flow to Nepal got interrupted (approx. 110MW) through supoul and Kataiya.	380	GD-I	
3	NR	1) 400kv Baglihar-Kishanpur-II 2) Baglihar Unit-I,II & III	JKSEB	14.09.2016	20:45	14.09.2016	23:30	02:45	400kv Baglihar-Kishanpur-2 tripped due to thunderstorm which led to (jerk) tripping of Baglihar machines and gen loss of 450MW reported.	450	GD-I	
4	NR	1) 400KV Bamnauli-Ballabgarh-1 & 2	DTL	16.09.2016	04:53	16.09.2016	07:02	02:09	Due to fault lines given in column C tripped.Load loss of 500-600MW also occurred in Delhi for 10-15 minutes as reported by NRLDC.	500	GD-I	
5	NER	1) 315 MVA, 400/220 KV ICT 2) 2x50MVA , 220/132 KV ICT at Salakati 3) 220 KV Birpara - Salakati D/C 4) 220 KV Salakati-BTPS D/C 5) 132 KV Salakati-Gelephu.	PG/NER	16.09.2016	18:00	16.09.2016	19:17	01:17	Due to bus fault at 220 kv Salakati S/S resulted in tripping 315 MVA, 400/220 KV ICT and 2x50MVA , 220/132 KV ICT at Salakati along with 220 KV Birpara - Salakati D/C, 220 KV Salakati-BTPS D/C and 132 KV Salakati-Gelephu.	170	GD-I	
6	NER	1) 315 MVA, 400/220 KV ICT 2) 2x50MVA , 220/132 KV ICT at Salakati 3) 220 KV Salakati-BTPS D/C	PG/NER	16.09.2016	21:07	16.09.2016	22:12	01:05	220 kv Bus coupler at Salakathi alongwith 50 MVA ICTs at Salakathi and 220 kv Salakathi-BTPS # I tripped at 2107 hrs while attempted to charge 220 kv BTPS - Salakathi # II feeder from Salakathi end.	170	GD-I	
7	NR	1)400 kv Ballabgarh-Bamnauli- I &II 2) 220 kv BTPS –Mehrauli-II	DTL	17.09.2016	18:12	17.09.2016	18:23	00:11	400 kv Ballabgarh-Bamnauli- I &II tripped .At the same time 220 kv BTPS –Mehrauli-II also tripped.	740	GD-I	
8	ER	220 kv Biharsharif-Begusarai –I and II	BSPHCL	18.09.2016	09:28	18.09.2016	10:10	00:42	220 KV Biharsharif-Begusari D/c tripped on Y_B_N fault(as per PMU observation) causing power failure at Begusarai and Darbhanga.Darbhanga is being fed from 220 kv Begusarai via transfer bus of Muzaffarpur(BSPHCL) .No traction loss reported.	130	GD-I	