



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

(A Govt. of India Enterprise)

CIN No.: U40105DL2009GOI188682

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

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 15<sup>th</sup> December 2017

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. कार्यपालक निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई - 400093  
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006  
Executive Director, 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 4<sup>th</sup> December to 10<sup>th</sup> December 2017.

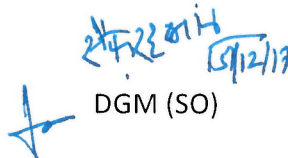
महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 4 दिसम्बर से 10 दिसम्बर 2017, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट 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 4<sup>th</sup> December to 10<sup>th</sup> December 2017, is available at the NLDC website.

Thanking you,

Yours faithfully,

  
DGM (SO)

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

साप्ताहिक रिपोर्ट (04 दिसम्बर से 10 दिसम्बर 2017 तक)  
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 15-Dec-17

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

क्षेत्र	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी	अधिकतम मांग आपूर्ति	अधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
04-12-2017	41439	522	45159		36322		16997		2350	49	142267	571
05-12-2017	41152	543	42159		36756		17318	100	2330	62	139716	705
06-12-2017	40395	706	43570		36988		17576	50	2401	44	140929	800
07-12-2017	41423	858	44966	11	37525	99	17364		2382	53	143660	1021
08-12-2017	41021	756	45542		38076	99	17325		2395	52	144359	907
09-12-2017	40171	1261	45130	58	37530		17533		2357	65	142721	1384
10-12-2017	39351	824	43439		34858		17156	94	2157	49	136961	967

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)
04-12-2017	840	107	1058	21	792	60	316	31	40	13	3046	233
05-12-2017	840	107	981	22	824	59	320	32	41	14	3006	233
06-12-2017	835	106	962	22	840	62	327	27	41	14	3005	231
07-12-2017	845	106	1011	21	857	67	325	30	41	13	3080	238
08-12-2017	902	116	1036	20	868	69	320	30	41	14	3168	249
09-12-2017	851	113	1036	27	865	68	320	31	41	14	3114	252
10-12-2017	837	105	1026	21	828	53	318	28	38	14	3047	221

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
04-12-2017	13.08	13.94	71.75	14.32	49.98	0.053
05-12-2017	8.26	8.45	75.93	15.63	49.99	0.042
06-12-2017	9.98	10.21	75.50	14.29	49.98	0.044
07-12-2017	7.35	7.40	76.09	16.52	49.99	0.039
08-12-2017	7.19	7.33	77.00	15.67	49.99	0.039
09-12-2017	18.63	21.57	70.19	8.24	49.95	0.075
10-12-2017	14.40	16.33	71.79	11.88	49.97	0.060

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 400 kV 63 MVAR Bus Reactor at BNC S/S first time charged on 09-12-2017 at 15:08 hrs.
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### 5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	04-12-2017		05-12-2017		06-12-2017		07-12-2017		08-12-2017		09-12-2017		10-12-2017	
	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	5157	0	5355	0	5468	0	5524	0	5601	0	5495	0	4569	0
	Haryana	6405	0	6381	0	6342	100	6311	0	6407	0	6311	38	6159	0
	Rajasthan	10509	0	10300	0	9578	0	9845	0	10329	0	10224	232	10500	0
	Delhi	3353	0	3457	0	3618	0	3477	0	3565	0	3432	0	3169	0
	UP	12775	0	12655	20	12652	220	12308	90	12600	570	12751	110	12778	310
	Uttarakhand	1843	0	1827	0	1907	0	1886	0	1947	0	1874	0	1804	0
	HP	1354	0	1482	0	1529	0	1477	0	1524	0	1499	0	1411	0
	J&K	2248	562	2272	568	2252	563	2186	547	2268	567	2012	503	2056	514
Chandigarh	187	0	190	0	199	0	194	0	201	0	188	0	178	0	
WR	Chhattisgarh	3299	0	3319	0	3289	0	3218	0	3355	0	3263	0	3187	0
	Gujarat	14259	0	12597	0	12597	0	13167	0	13816	0	13570	19	13321	19
	MP	11913	0	11433	0	10395	0	10902	0	9958	0	11773	0	11738	0
	Maharashtra	20353	0	18823	0	19435	0	19468	0	19287	0	18953	1885	19556	0
	Goa	484	0	479	0	429	0	429	0	426	0	426	0	440	0
	DD	320	0	313	0	325	0	322	0	326	0	311	0	311	0
	DNH	724	0	716	0	746	0	753	0	756	0	744	0	738	0
	Essar steel	467	0	517	0	542	0	550	0	552	0	532	0	433	0
SR	Andhra Pradesh	7534	0	7435	0	7530	0	7680	0	7766	0	7791	0	7914	0
	Telangana	7108	0	7294	0	7447	0	7489	0	7714	0	7438	0	7512	0
	Karnataka	8944	0	9116	0	9086	0	9240	0	9417	0	9501	0	8760	0
	Kerala	3464	0	3460	0	3485	0	3509	0	3523	0	3431	0	3234	0
	Tamil Nadu	12138	0	12767	0	12828	0	13282	0	13249	0	13131	0	11979	0
	Pondy	321	0	323	0	315	0	320	0	310	0	320	0	295	0
ER	Bihar	3714	0	3749	0	3760	0	3775	0	3851	0	3766	0	3809	0
	DVC	2877	0	3011	0	3187	0	3144	0	3157	0	3150	0	2913	0
	Jharkhand	1043	0	1032	90	1071	50	1115	0	1132	0	989	0	1102	0
	Odisha	3723	0	3884	0	3700	0	3817	0	3591	0	3935	0	3689	0
	West Bengal	5987	0	6055	0	6200	0	6284	0	6364	0	6006	0	5803	0
	Sikkim	101	0	102	0	92	0	114	0	108	0	103	0	88	0
NER	Arunachal Pradesh	117	2	116	2	124	4	122	1	116	2	120	4	117	7
	Assam	1389	18	1424	15	1425	14	1448	20	1451	12	1413	36	1343	15
	Manipur	150	11	176	2	178	0	179	0	174	1	170	4	165	6
	Meghalaya	312	1	292	0	327	3	319	0	319	0	321	0	292	0
	Mizoram	86	3	93	1	89	5	86	1	83	1	86	4	83	6
	Nagaland	114	1	113	1	126	4	118	1	114	3	118	5	115	8
	Tripura	209	1	218	1	215	4	215	0	212	2	203	4	178	5

## 6. Energy Consumption in States (MUs)

Region	States	04-12-2017	05-12-2017	06-12-2017	07-12-2017	08-12-2017	09-12-2017	10-12-2017
NR	Punjab	100.2	102.1	103.2	103.6	105.9	103.2	94.6
	Haryana	112.5	114.1	115.6	117.0	118.0	116.9	109.2
	Rajasthan	197.2	191.2	181.7	193.1	196.7	196.9	203.8
	Delhi	60.3	62.2	62.9	61.6	62.3	60.0	56.0
	UP	263.8	262.8	263.5	260.3	271.2	263.4	270.2
	Uttarakhand	33.9	35.3	35.3	35.1	74.3	34.9	32.5
	HP	26.0	26.7	26.9	26.7	27.1	26.9	25.4
	J&K	42.6	42.3	42.2	44.5	43.7	45.8	42.6
Chandigarh	3.2	3.3	3.3	3.3	3.3	3.2	2.9	
WR	Chhattisgarh	69.2	70.4	66.6	69.5	70.9	69.3	68.7
	Gujarat	300.8	258.3	253.0	279.1	293.5	286.9	281.9
	MP	231.6	214.9	199.0	212.3	224.5	226.8	229.4
	Maharashtra	414.8	394.8	399.2	405.0	401.2	409.2	404.0
	Goa	8.8	8.5	9.7	9.7	9.9	9.9	9.3
	DD	7.0	7.0	7.2	7.2	7.3	7.1	6.5
	DNH	16.7	16.4	17.0	17.5	17.4	17.5	17.4
	Essar steel	9.2	10.3	10.3	10.9	11.4	9.8	8.6
SR	Andhra Pradesh	152.9	156.7	158.9	156.8	160.2	156.8	157.8
	Telangana	144.0	147.6	149.8	152.9	154.2	151.6	152.1
	Karnataka	186.3	189.7	192.6	196.1	200.8	201.4	187.6
	Kerala	64.2	65.8	65.8	66.8	68.0	67.7	61.9
	Tamil Nadu	238.4	258.3	266.2	277.9	278.9	280.8	262.2
	Pondy	6.0	6.3	6.3	6.3	6.4	6.6	6.0
ER	Bihar	61.3	63.0	61.0	59.4	62.2	61.9	63.9
	DVC	67.5	67.8	67.0	67.6	67.9	67.2	65.8
	Jharkhand	23.3	22.3	24.2	23.9	23.3	23.6	22.7
	Odisha	65.9	64.7	69.4	66.7	62.5	63.5	65.9
	West Bengal	96.8	101.2	103.8	105.6	102.4	102.4	98.2
	Sikkim	1.5	1.4	1.6	1.9	1.5	1.7	1.7
NER	Arunachal Pradesh	2.2	2.2	2.2	2.2	2.1	2.2	2.3
	Assam	22.2	22.5	22.4	23.7	23.3	23.2	21.9
	Manipur	2.6	2.6	2.7	2.7	2.4	2.3	2.4
	Meghalaya	5.6	5.7	6.1	5.8	6.1	6.0	5.3
	Mizoram	1.5	1.5	1.4	1.5	1.6	1.6	1.5
	Nagaland	2.2	2.3	2.2	2.2	2.5	2.2	2.1
	Tripura	4.0	4.2	4.0	3.3	3.4	3.4	2.9
<b>ALL INDIA TOTAL</b>		<b>3045.9</b>	<b>3006.4</b>	<b>3004.3</b>	<b>3079.9</b>	<b>3167.9</b>	<b>3113.7</b>	<b>3046.9</b>

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

साप्ताहिक रिपोर्ट (04 दिसम्बर से 10 दिसम्बर 2017 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	04-12-2017	05-12-2017	06-12-2017	07-12-2017	08-12-2017	09-12-2017	10-12-2017
East to North	-44.0	-41.2	-42.9	-43.5	-45.2	-48.9	-50.2
East to West	12.4	-17.0	24.1	18.4	17.7	15.0	13.5
East to South	-66.9	-65.2	-67.3	-71.3	-76.3	-78.4	-71.7
East to North-East	-13.9	-13.4	-18.4	-15.5	-17.2	-13.8	-12.8
North-East to North	-16.4	-15.2	-16.5	-16.1	-16.7	-17.0	-17.1
West to North	-81.9	-96.7	-93.9	-106.0	-103.0	-82.8	-78.8
West to South	-45.7	-58.2	-72.9	-64.3	-77.3	-72.8	-61.8

भूटान , नेपाल एव बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (04 दिसम्बर से 10 दिसम्बर 2017 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)
04-12-2017	5.7	236	-6.2	-372	-260	-11.7	-607	-488
05-12-2017	5.4	225	-7.0	-408	-291	-12.4	-613	-516
06-12-2017	5.2	217	-6.7	-401	-278	-11.5	-597	-478
07-12-2017	6.6	275	-4.4	-390	-184	-12.0	-606	-499
08-12-2017	7.6	315	-6.2	-403	-257	-3.8	-305	-159
09-12-2017	5.2	217	-6.2	-298	-258	-1.9	-129	-81
10-12-2017	5.0	207	-7.2	-381	-301	-2.2	-128	-92
कुल Total	40.6		-43.9			-55.5		

## 8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time	Time				
1	WR	1)400kV Varsana-Kansari S/c 2) 400kV Varsana-Bachhua Ckt-2 3) 400/220 kv ICT-1&3 at Varsana S/s	OPGS	05-12-2017	09:44	05-12-2017	09:50	0:06	At 09:44 Hrs, 400 kV Bus-2 at Varsana tripped , resulting in tripping of ICTs and further leading to tripping of generators at OPGS Station (Connected to Varsana at 220 KV side) in Gujarat due to loss of evacuation path	180	0	GD-I
2	NR	1)220KV G.Noida- Gharbara 2) 220KV G.Noida-Sec.20 3) 220KV G.Noida-Sec.62 4)220KV G.Noida-Sector129 ckt-1 5)315Mva ICT-1 at G.Noida 6)500Mva ICT-4 at G.Noida	UPPTCL	06.12.17	17:45	06.12.17	19:04	1:19	Jumper of 220KV G.Noida- Gharbara line Y phase got broken and fell on Bus-bar in G.Noida switchyard causing operation of bus bar protection of 220 KV side and subsequently all 220 KV lines connected to the ICTs got tripped.400/220 KV,500MVA ICT-4 and 315 MVA ICT-1 tripped along with the 220 KV lines. The 220 KV feeders tripped due to this tripping are 220KV G.Noida-Sec.20, 220KV G.Noida-Sec.62, 220KV G.Noida-Sector129 ckt. I. Details are still awaited from G.Noida S/S.No tripping observed in 400 KV lines.	Nil	600	GD-I
3	ER	1)220 KV Madhepura-Purnea D/c	BSPTCL	06.12.17	18:22	06.12.17	18:50	0:28	At around 18:22 hrs, 06.12.17 total power interrupted at 220/132 KV Madhepura S.S. when 220 KV Madhepura-Purnea d/c tripped spuriously. Total power interrupted for 132 KV Supaul, Sonebarsa, Madhepura, Saharsa & Udaikishanganj ( radially fed from Madhepura) . Kusaha(Nepal) load also got interrupted. Kataya/Phorbisgang fed from old Purnea survived.	Nil	170	GD-I
4	ER	1)400KV Gorakhpur-Motihari D/C 2)400/132kv 200MVA ICT-I&II	BSPTCL	09.12.17	10:57	09.12.17	12:24	1:27	At 10:57Hrs 400KV Gorakhpur-Motihari line-1&2 tripped due to Busbar Protection operation for Bus-1&2 at Motihari.Subsequently 174MW load loss occurred in 132kv Motihari,Raxaul and Betiah substation of BSES which are availing from power 400/132kv Motihari S/s.Raxaul was feeding 70 MW to Parwani and Birganj(Nepal) and Betia was feeding 21 Mwto Surajpura via Valmilnagar(Nepal)	Nil	170	GD-I
5	WR	1)400kv Padge-Tarapur D/C 2)400kv Padge-Kalwa D/C 3)400kv Padge-Babhaleswar D/C 4)400kv Padge-NagothaneD/C 5)400kv Padge-Boisar(PG) 6)Padge ICT-1,2,3,4,5 7)HVDC Padge-Chandrapur Bipole	MSETCL	09.12.17	12:59	09.12.17	18:50	5:51	At 12:59hrs , Bus Bar protection operated at PADGHE S/s due to tie bus coupler blasted leading to all elements/emanating feeders to trip from PADGHE S/S . Subsequently load loss of 1700 MW occurred.	Nil	1700	GD-I
6	NR	1) Dadri 400kv Bus-I & II 2) Dadri HVDC 400kv AC Bus-A & Bus-B 3) Dadri Thermal-Unit 1,2,3,4,5,6 4) Dadri Gas-Unit 1,2 3 5) HVDC Rihand-Dadri Pole-I & II 6) Dadri ICT-1,2,3,4,5 7) 400kv Dadri(NTPC)-Maharanibagh(PG) 8) Dadri(NTPC)-Panipat(BBMB) 2 9) 400kv Dadri(NTPC)-Harsh Vihar(DTL) -I & II 10) 220kv Dadri(Gas)-Railway Ckkt&II	NTPC/PGCIL	09.12.17	17:29	09.12.17	18:24	0:55	At 17.29 Hrs, one dropper in 400 KV Switchyard fell down on Bus – I and II resulting into tripping of all breakers connected to 400 kv buses. HVDC Rihand – Dadri both pole tripped. 220 kv Bus too became dead and all 220 kv lines tripped	Nil	1488	GD-I