



National Load Despatch Centre
पाँवर 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:12th May 2017

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 नोंग्रह , लापलंग, शिलोंग - 793006
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. अपर महाप्रबंधक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 1st May to 7th May 2017.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 1 मई से 7 मई 2017, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 1st May to 7th May 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 (01 मई से 07 मई 2017 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 12-May-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)
01-05-2017	45219	793	44304	22	33596		15516		2293	88	140929	903
02-05-2017	46237	1573	47461	83	37086		19108		2173	163	152064	1818
03-05-2017	45349	3569	46132	149	38232		18806		2254	239	150773	3958
04-05-2017	46717	933	47178	88	37880		18553	400	2011	486	152339	1907
05-05-2017	47518	616	46982	105	38781	15	18488		1981	390	153750	1126
06-05-2017	48073	602	45488	53	36183		17613		2125	277	149481	932
07-05-2017	46726	945	41008	116	31427		18360	300	2236	88	139757	1449

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)
01-05-2017	977	223	1067	21	819	27	330	51	33	10	3226	331
02-05-2017	1032	213	1114	28	878	39	366	55	38	11	3428	347
03-05-2017	1001	199	1122	17	915	47	388	60	37	11	3463	333
04-05-2017	1018	205	1118	18	926	62	398	55	39	9	3500	349
05-05-2017	1075	213	1133	26	944	66	392	65	37	9	3581	378
06-05-2017	1078	223	1122	29	916	46	385	56	35	16	3536	369
07-05-2017	1080	241	1058	15	821	31	371	52	34	9	3364	348

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
01-05-2017	3.36	3.36	73.47	23.17	50.00	0.034
02-05-2017	20.20	25.59	69.16	5.25	49.94	0.095
03-05-2017	39.51	50.23	45.32	4.44	49.90	0.165
04-05-2017	16.22	17.20	70.95	11.85	49.97	0.061
05-05-2017	13.13	13.40	76.01	10.59	49.97	0.050
06-05-2017	13.75	14.98	72.82	12.20	49.97	0.058
07-05-2017	49.8-49.9	<49.9	49.9-50.05	> 50.05	50.00	FVI

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	01-05-2017		02-05-2017		03-05-2017		04-05-2017		05-05-2017		06-05-2017		07-05-2017	
	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	5971	0	6243	0	6224	0	6414	0	6671	0	6893	0	6780	0
	Haryana	7180	0	7300	0	6885	0	6936	0	7072	0	7292	0	7134	0
	Rajasthan	9167	0	8871	0	7934	3008	9024	1222	9644	0	9291	0	9129	0
	Delhi	4675	0	4873	26	4839	0	4916	0	5131	0	5157	0	5369	0
	UP	17051	340	16277	465	16605	505	16782	1185	17740	540	17051	190	17607	0
	Uttarakhand	1703	0	1678	190	1749	0	1827	0	1803	0	1915	0	1770	0
	HP	1146	0	1217	0	1267	0	1194	0	1225	0	1273	0	1152	0
	J&K	1952	488	1936	484	1867	467	1918	480	1989	497	1986	497	2081	520
	Chandigarh	243	0	247	0	228	0	249	0	265	0	254	0	261	0
WR	Chhattisgarh	3767	0	3889	0	3889	0	3846	0	3891	0	3738	0	2780	0
	Gujarat	15128	0	14868	0	15100	0	15440	0	15258	0	15211	0	14143	0
	MP	8158	0	8297	0	7911	0	8197	0	8346	0	8157	0	7940	0
	Maharashtra	19031	123	20820	28	20984	953	21465	802	22202	447	21379	967	20202	0
	Goa	421	0	484	0	482	0	484	0	481	0	463	0	400	0
	DD	260	0	312	0	330	0	323	0	330	0	326	0	298	0
	DNH	695	0	753	0	768	0	758	0	754	0	750	0	750	0
	Essar steel	479	0	599	0	344	0	428	0	438	0	455	0	439	0
SR	Andhra Pradesh	7214	0	7097	0	7214	0	7206	0	7407	0	7413	0	6688	0
	Telangana	6130	0	6882	0	6989	0	6947	0	6946	0	6855	0	6241	0
	Karnataka	7931	0	8736	0	9109	0	9225	0	9358	0	9234	0	7911	0
	Kerala	3131	0	3556	0	3662	0	3631	0	3584	0	3547	0	2976	0
	Tamil Nadu	12738	0	14501	0	14796	0	14530	0	14742	0	14357	0	13522	0
	Pondy	302	0	344	0	356	0	344	0	360	0	357	0	348	0
ER	Bihar	3569	0	3857	0	3891	0	3520	300	3680	0	3886	0	3920	100
	DVC	2724	0	2989	0	2813	0	2966	0	3112	0	2921	0	2775	0
	Jharkhand	941	0	998	0	1235	0	1154	0	1065	0	1091	0	1201	0
	Odisha	4375	0	4291	0	3859	0	3864	0	4006	0	3853	0	3935	0
	West Bengal	5898	0	8001	0	8181	0	8309	0	8206	0	7649	0	7821	0
	Sikkim	62	0	78	0	78	0	67	0	71	0	75	0	65	0
NER	Arunachal Pradesh	129	3	133	1	121	4	129	1	135	2	145	1	99	5
	Assam	1358	36	1333	7	1346	140	1351	143	1065	371	1258	213	1362	57
	Manipur	133	2	140	1	148	2	152	1	132	3	153	1	144	1
	Meghalaya	286	0	300	0	293	0	280	0	251	0	213	0	243	0
	Mizoram	75	3	75	0	81	1	82	1	73	1	80	1	73	2
	Nagaland	121	1	117	1	101	1	100	0	91	1	90	3	90	1
	Tripura	230	4	221	6	253	1	255	1	247	2	233	10	236	12

6. Energy Consumption in States (MUs)

Region	States	01-05-2017	02-05-2017	03-05-2017	04-05-2017	05-05-2017	06-05-2017	07-05-2017
NR	Punjab	131.8	139.3	135.6	141.0	150.6	152.8	155.5
	Haryana	140.1	145.3	141.1	141.6	151.4	153.9	150.8
	Rajasthan	191.5	191.1	174.9	198.0	204.1	202.2	194.4
	Delhi	94.2	99.1	100.1	100.5	104.6	104.0	103.1
	UP	318.1	349.6	344.3	332.4	355.8	354.2	367.8
	Uttarakhand	33.9	37.1	36.0	37.5	37.2	40.2	37.6
	HP	22.6	24.8	24.8	24.8	25.5	26.2	24.1
	J&K	39.5	41.3	39.3	37.7	41.0	39.7	42.0
Chandigarh	4.9	5.0	4.9	5.0	5.1	5.2	5.0	
WR	Chhattisgarh	89.0	90.3	90.7	87.2	91.6	84.3	75.1
	Gujarat	331.0	333.6	334.1	340.6	335.5	335.1	319.8
	MP	174.9	177.9	174.7	181.3	181.9	181.6	172.4
	Maharashtra	435.3	471.4	481.5	465.3	480.1	477.9	450.3
	Goa	8.7	10.7	10.3	11.0	10.8	9.8	8.0
	DD	5.1	6.4	7.3	7.3	7.4	7.3	6.7
	DNH	15.8	16.6	17.3	17.4	17.3	17.2	17.2
	Essar steel	7.4	6.6	6.4	8.2	8.9	8.5	8.7
SR	Andhra Pradesh	142.8	154.5	163.3	160.9	166.6	165.3	150.1
	Telangana	130.4	139.8	146.0	148.1	149.1	146.3	136.3
	Karnataka	178.2	192.8	200.4	205.2	207.5	196.7	160.0
	Kerala	67.2	70.3	72.6	74.0	76.9	74.5	65.1
	Tamil Nadu	294.2	313.2	325.4	330.2	336.7	325.5	301.6
	Pondy	6.3	7.1	7.7	7.5	7.6	7.9	7.4
ER	Bihar	55.0	70.4	72.8	72.3	66.8	70.8	71.2
	DVC	60.5	63.1	64.6	67.3	66.5	65.6	65.6
	Jharkhand	20.8	21.4	24.1	24.5	24.7	24.9	25.2
	Odisha	82.4	80.3	81.3	81.2	82.7	76.6	72.6
	West Bengal	110.5	129.9	143.7	151.9	149.8	145.6	135.0
	Sikkim	0.8	0.9	1.1	1.0	1.1	1.1	1.0
NER	Arunachal Pradesh	2.0	2.0	1.9	2.1	2.1	1.9	2.0
	Assam	18.1	22.1	20.2	21.7	18.5	19.2	19.0
	Manipur	2.4	2.2	2.4	2.0	2.5	2.4	2.2
	Meghalaya	4.2	4.9	4.6	4.7	5.2	4.2	3.9
	Mizoram	1.4	1.5	1.3	1.4	1.4	1.4	1.2
	Nagaland	1.7	2.3	2.2	2.5	2.8	2.3	1.8
	Tripura	3.0	2.9	4.2	4.4	4.1	3.6	3.9
ALL INDIA TOTAL		3225.7	3427.6	3463.2	3499.5	3581.0	3535.9	3363.4

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

साप्ताहिक रिपोर्ट (01 मई से 07 मई 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	01-05-2017	02-05-2017	03-05-2017	04-05-2017	05-05-2017	06-05-2017	07-05-2017
East to North	-74.9	-76.9	-74.9	-63.7	-68.8	-58.2	-49.3
East to West	-7.9	-21.9	-6.2	3.9	12.9	7.1	28.0
East to South	-57.3	-45.5	-60.0	-57.5	-61.1	-59.7	-68.0
East to North-East	10.1	-0.7	0.8	4.7	9.2	0.4	-5.9
North-East to North	11.1	2.6	11.0	11.7	11.6	-1.7	-4.3
West to North	-150.8	-160.3	-161.8	-147.4	-143.4	-138.8	-145.3
West to South	-58.2	-69.6	-55.5	-61.6	-66.5	-76.8	-56.7

भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (01 मई से 07 मई 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			बाग्लादेश 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)
01-05-2017	5.6	232	-8.1	-371	-336	-13.8	-654	-574
02-05-2017	2.8	115	-6.1	-275	-256	-8.2	-642	-343
03-05-2017	4.4	184	-7.9	-377	-329	-14.5	-667	-605
04-05-2017	5.7	237	-7.9	-386	-327	-14.6	-638	-607
05-05-2017	8.5	354	-8.3	-345	-346	-10.5	-636	-436
06-05-2017	8.6	360	-7.9	-344	-330	-14.2	-634	-591
07-05-2017	10.2	427	-8.3	-372	-345	-14.3	-627	-596
कुल Total	45.8		-54.5			-90.1		

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	ER/SR	1) HVDC Talcher-Kolar Pole-1 2) Talcher Unit-6	PG/NTPC	01.05.17	15:21	02.05.17	13:18	22:57	Due to transient fault on line, Pole-1 of HVDC Talcher-Kolar went under RVO mode and power order on Pole-1 reduced from 900 MW to 700 MW at 15:21:24 hrs. b. At 15:21:43 hrs, Pole-1 (Carrying 700 MW) blocked due to second transient fault and the Pole-2 went under Metallic Return (MR) mode. The Power order of Pole-2 increased automatically from 900 MW to 1180 MW. c. As the DC line-1 was under faulty condition, Power order of Pole-2 reduces gradually and finally went under Ground Return (GR) Mode at 15:23 hrs SPS of HVDC Talcher-Kolar (Trip Singal-1 & Trip Signal-2) operated resulting in load loss of 694 MW in SR against the desired relief of 1655 MW and the same needs to be reviewed as quantum of relief is approx. 41% of the desired.	850	703	GI-II
2	ER/SR	1) 220 kV Balasore-Baripada-I & II 2) 220 kV Balasore-Bhadrak 3) 220 kV Balasore-N Dubhri	OPTCL	03.05.17	17:15	03.05.17	17:23	00:08	All 220 kV lines tripped from remote end due to fault in 220 kV Balasore-Baripada-I .		120	GD-I
3	WR/SR	1)765 kV Solapur-Raichur-I(TRIPPED FOR 1 sec) 2) 765 kV Solapur-Raichur-II	PG	04.05.17	18:27	04.05.17	20:35	02:08	765 kV Solapur- Raichur Circuit -2 tripped on Y-phase to earth fault . Line has auto reclosed successfully and tripped on persistent fault .Fault current and fault location was 18 kAmp and 0.5 km from Solapur end respectively . Heavy wind , lightning, and rain was reported at the time of fault. At the time of reclosing of Raichur circuit -2 at Solapur end , 765 kV Solapur-Raichur Circuit-1 Main-II relay(MICOM P444 of GE make) mal operated for persisted fault on Circuit-2 . Zone-1, Zone-2 , Zone-3 and reverse zone-4 has picked up in relay . Relay issued tripping to Y-pole on zone-1 operation and within 70 msec R & B poles also tripped.As operation of zone-1 started auto reclosing process, breaker got auto reclosed after 1 sec .	173	800	GI-II
4	WR/SR	1)400kV Kolhapur(PG)-Mapusa-1 2)400kV Kolhapur(PG)-Mapusa-2 3)400kV Kolhapur(PG)-Kolhapur-1 4)400kV Kolhapur(PG)-Kolhapur-2 5)400kV Kolhapur(PG)-Kodghi-1 6)220kV Tillari-Amona 7)220kV Mahalaxmi-Amona	PG	05.05.17	18:37	05.05.17	19:17	00:40	All 400kV lines emanating from Kolhapur(PG) except 400kV Kolhapur(PG)-Kudgi-2 tripped on R-Ph (400kV Kolhapur-Kolhapur(PG)-Mapusa-1 and 400kV Kolhapur(PG)-Kudghi-1) and B-Ph (400kV Kolhapur-Kolhapur(PG)-Mapusa-2). The fault is reportedly in the multi circuit tower carrying 400kV Kolhapur-Kolhapur (PG)-Mapusa-D/C while heavy thunder storm was present. The tripping lines lead to stoppage of power to Mapusa SS-Goa SS.Simultaneously 220kV Tillari-Amona and Mahalxmi-Amona were tripped from Amona end only		400	GD-I
5	ER/BHUTAN	1) 220 KV Chukha-Birpara-I & II 2) 220 KV Chukha-Malbase 3) Chukha Unit-I,II,III	NHPC	06.05.17	15:39	06.05.17	15:58	00:19	Due to phase to phase fault in Bhutan jurisdiction, all lines given tripped and units tripped due to loss of evacuation path.	74		GD-I
6	WR	1)400kV Kolhapur(PG)-Mapusa-1 2)400kV Kolhapur(PG)-Mapusa-2	PG/Goa	06.05.17	19:16	06.05.17	19:38	00:22	Due to R-N and B-N fault in the lines, load loss took place in Goa system.		400	GD-I