



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:25th 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., डोंगतेिह, लोअर नॉग्रह , 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 15th May to 21st May 2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 15 मई से 21 मई 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 15th May to 21st 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 (15 मई से 21 मई 2017 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 25-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)
15-05-2017	48636	2252	46119	21	38272		17791	100	2277	191	153096	2564
16-05-2017	48880	1243	47119	70	38934		18134	250	2354	119	155421	1681
17-05-2017	47081	729	46006	103	38197	92	15540		2400	87	149223	1011
18-05-2017	48772	2493	46293	69	35948		17815		2389	78	151217	2639
19-05-2017	45991	369	45365	78	38487	199	18962	100	2401	91	151207	837
20-05-2017	48255	1054	45882	57	36911		18017		2415	127	151481	1237
21-05-2017	38015	472	43525	22	35731	43	18214		2361	44	137845	581

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)
15-05-2017	1170	308	1114	22	857	31	395	63	40	11	3576	434
16-05-2017	1140	309	1126	30	906	35	367	80	36	13	3575	466
17-05-2017	1081	304	1126	27	899	31	377	76	42	10	3525	449
18-05-2017	1097	294	1124	27	888	35	374	74	43	11	3526	440
19-05-2017	1105	300	1124	24	881	28	392	73	42	11	3543	437
20-05-2017	1079	301	1113	31	871	31	402	67	41	10	3506	440
21-05-2017	1011	294	1079	8	830	27	380	67	39	10	3339	406

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
15-05-2017	1.74	1.82	70.57	27.62	50.02	0.030
16-05-2017	3.92	3.92	72.88	23.19	50.01	0.032
17-05-2017	4.18	4.18	78.17	17.65	50.00	0.033
18-05-2017	9.54	9.56	74.11	16.33	49.99	0.041
19-05-2017	4.81	4.81	69.20	25.98	50.01	0.038
20-05-2017	4.92	4.95	79.61	15.44	49.99	0.031
21-05-2017	1.19	1.19	63.25	35.56	50.03	0.054

*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	15-05-2017		16-05-2017		17-05-2017		18-05-2017		19-05-2017		20-05-2017		21-05-2017	
	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	7727	0	7068	0	7085	0	7227	0	7431	0	6915	0	6965	0
	Haryana	7565	0	7563	0	7481	0	7670	0	7627	0	7146	0	7640	0
	Rajasthan	10155	0	9849	0	9305	0	9109	0	9025	0	8824	0	8349	128
	Delhi	5912	0	5957	0	5756	0	5769	0	5733	0	5383	0	5076	0
	UP	16942	390	17416	800	16305	0	16865	800	16954	680	17242	1345	16734	0
	Uttarakhand	1951	0	1869	0	1774	0	1839	225	1885	0	1941	0	1875	0
	HP	1253	0	1243	0	1204	0	1329	0	1318	0	1268	0	1204	0
	J&K	1823	456	1883	471	1939	-485	1923	481	1870	468	1976	494	1906	477
Chandigarh	333	0	320	0	302	0	303	0	299	0	274	0	254	0	
WR	Chhattisgarh	3571	0	3653	0	3512	0	3618	0	3618	0	3505	0	3446	0
	Gujarat	15253	0	15262	0	14969	0	15083	0	15083	0	15002	0	14073	0
	MP	8235	0	8425	0	8174	0	8047	0	8047	0	8174	0	7952	0
	Maharashtra	21408	0	21671	0	22151	0	21644	0	21644	0	21546	0	20247	0
	Goa	428	0	443	0	457	0	466	0	465	0	466	0	449	0
	DD	317	0	321	0	321	0	319	0	322	0	320	0	290	0
	DNH	737	0	714	0	747	0	747	0	747	0	725	0	731	0
	Essar steel	478	0	449	0	495	0	430	0	430	0	466	0	472	0
SR	Andhra Pradesh	7723	0	7821	0	7844	0	7640	0	7882	0	7563	0	7508	0
	Telangana	6713	0	7048	0	6731	0	6960	0	7191	0	6923	0	6534	0
	Karnataka	8024	0	8464	0	8224	0	8273	0	8288	0	8176	0	7359	0
	Kerala	3798	0	3843	0	3795	0	3566	0	3774	0	3256	0	3473	0
	Tamil Nadu	14599	0	15035	0	14531	0	13921	0	14274	0	13953	0	13111	0
	Pondy	349	0	370	0	369	0	357	0	361	0	359	0	352	0
ER	Bihar	3924	0	3945	0	3843	0	3775	0	3984	100	3950	0	3960	0
	DVC	2723	0	2835	0	2801	0	2795	0	2799	0	2786	0	2762	0
	Jharkhand	1129	0	1129	0	1165	0	1125	0	1112	0	1231	0	1216	0
	Odisha	4257	0	4359	0	4311	0	4086	0	4145	0	3965	0	4169	0
	West Bengal	8178	0	7296	0	7016	0	7457	0	7939	0	7704	0	7659	0
	Sikkim	73	0	62	0	73	0	75	0	66	0	75	0	61	0
NER	Arunachal Pradesh	94	6	111	2	98	5	97	1	86	5	91	2	97	0
	Assam	1365	161	1502	60	1527	32	1523	29	1543	57	1511	105	1495	9
	Manipur	154	2	133	3	132	2	132	7	141	10	134	1	136	1
	Meghalaya	252	0	266	0	268	0	259	0	245	0	261	0	230	0
	Mizoram	79	2	78	1	78	1	77	1	72	1	75	1	75	2
	Nagaland	106	2	99	5	100	6	93	2	93	3	104	1	107	2
	Tripura	239	5	210	3	231	7	239	12	227	9	250	7	248	3

6. Energy Consumption in States (MUs)

Region	States	15-05-2017	16-05-2017	17-05-2017	18-05-2017	19-05-2017	20-05-2017	21-05-2017
NR	Punjab	173.5	156.6	161.8	163.4	168.1	151.7	150.3
	Haryana	163.8	158.7	157.9	160.9	156.4	149.4	135.5
	Rajasthan	225.9	208.2	193.2	195.5	194.6	192.5	179.8
	Delhi	120.2	122.8	115.1	117.1	114.9	107.4	98.0
	UP	372.2	382.0	347.2	351.3	360.7	369.5	346.0
	Uttarakhand	42.0	42.5	36.2	39.7	40.5	41.2	34.9
	HP	26.1	26.5	25.3	26.9	27.7	26.0	23.9
	J&K	40.6	36.6	38.4	36.9	36.6	35.4	37.5
Chandigarh	6.2	6.1	5.8	5.6	5.9	5.6	4.9	
WR	Chhattisgarh	83.1	84.2	84.2	85.1	85.1	82.8	81.8
	Gujarat	337.1	339.7	334.6	335.0	335.0	331.7	312.1
	MP	182.0	184.4	181.9	179.5	179.5	180.6	178.6
	Maharashtra	470.0	476.8	481.1	480.1	480.1	475.6	463.7
	Goa	8.7	9.4	9.8	9.9	9.9	10.8	9.8
	DD	7.0	7.2	7.2	7.1	7.1	7.2	6.6
	DNH	16.7	14.8	16.7	16.7	16.7	15.3	16.4
	Essar steel	9.1	9.4	10.3	10.6	10.6	9.0	9.6
SR	Andhra Pradesh	161.6	167.6	166.9	168.7	174.4	165.4	160.5
	Telangana	141.6	145.4	145.7	148.4	152.3	149.7	141.2
	Karnataka	161.2	182.6	177.1	178.2	163.9	172.9	156.4
	Kerala	73.2	75.5	76.4	73.6	71.5	70.7	74.5
	Tamil Nadu	312.2	326.5	325.4	311.2	311.0	304.9	290.0
	Pondy	7.4	7.9	7.7	7.8	7.5	7.8	7.6
ER	Bihar	72.2	68.5	61.0	68.1	79.5	80.5	82.7
	DVC	66.3	58.3	63.4	64.2	65.1	68.2	62.5
	Jharkhand	24.3	22.5	23.5	22.3	23.0	23.6	22.8
	Odisha	84.2	85.6	87.2	85.5	79.3	81.8	79.2
	West Bengal	147.3	131.0	140.5	133.0	143.5	146.7	131.9
	Sikkim	1.0	1.0	1.2	1.2	1.2	1.0	0.7
NER	Arunachal Pradesh	1.9	2.0	2.1	2.3	2.0	1.7	1.8
	Assam	24.7	21.7	26.5	26.8	25.2	25.6	23.9
	Manipur	2.2	2.4	2.3	2.3	2.4	2.4	2.4
	Meghalaya	4.0	4.1	4.1	4.1	4.1	4.3	3.6
	Mizoram	1.3	1.4	1.5	1.3	1.3	1.4	1.2
	Nagaland	2.1	2.2	2.1	2.1	2.1	2.1	2.4
	Tripura	3.8	2.6	3.7	3.8	4.6	4.0	4.0
ALL INDIA TOTAL		3576.5	3574.4	3525.0	3526.0	3543.0	3506.3	3338.7

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

साप्ताहिक रिपोर्ट (15 मई से 21 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	15-05-2017	16-05-2017	17-05-2017	18-05-2017	19-05-2017	20-05-2017	21-05-2017
East to North	-60.4	-61.8	-62.0	-55.1	-49.5	-48.4	-54.9
East to West	28.2	12.8	23.6	23.3	20.3	27.9	9.2
East to South	-58.0	-62.4	-65.8	-67.9	-65.5	-68.1	-65.8
East to North-East	-10.3	-5.1	-10.0	-10.1	-11.5	-13.4	-12.2
North-East to North	-3.3	0.1	-1.3	-3.1	-5.3	-4.6	-5.3
West to North	-136.0	-135.2	-134.4	-142.3	-142.9	-133.8	-113.0
West to South	-49.7	-65.8	-65.5	193.0	-48.2	76.4	-47.6

भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (15 मई से 21 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)
15-05-2017	17.6	734	-6.6	-355	-276	-14.8	-645	-618
16-05-2017	24.4	1015	-7.4	-318	-309	-13.9	-629	-577
17-05-2017	20.0	833	-7.6	-394	-315	-14.5	-630	-606
18-05-2017	17.0	708	-8.7	-379	-361	-13.5	-635	-564
19-05-2017	15.1	629	-6.8	-352	-285	-14.2	-662	-592
20-05-2017	11.8	493	-7.9	-364	-328	-14.9	-651	-621
21-05-2017	10.8	451	-6.4	-219	-267	-14.7	-647	-613
कुल Total	116.7		-51.4			-100.6		

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) 220kV Kishenpur-Salal I to IV 2) 220kV Kishenpur-Sarna I & II 3) 220kV Kishenpur-Barn I & II 4) 220kV Kishenpur-Udhampur I & II 5) 220kV Kishenpur-Ramban 6) 220kV Salal-Gladani I & II 7) 315MVA ICT I,II,III AT KISHENPUR 8) Salal units I to VI	NHPC/PGCIL /JKSEB	42870	18:06	42870	18:45	00:39	220 kV Bus 1 was already under S/D at Kishenpur for isolator retrofitting work. Changeover of 220 KV Sarna II bay over TBC bay CB was done. Direct trip command received at Kishenpur PGCIL end .This caused operation of 220 kV LBB protection and all the 220 kV feeders including 3 ICTs tripped at kishenpur at 18.06 Hrs.	675	780	GD-I
2	ER	1) 400kV Rangpo-Teeta III 2) Teesta-III unit-1,3,4,5,6	PGCIL/TUL	42870	16:10	42870	16:23	00:13	At 16:10 Hrs 400kV Rangpo-Teeta III Tripped on R-N fault(Indication at Teesta) Direct trip received at rangpo end.Teesta-III unit-1,3,4,5,6 with total generation of 800MW tripped due to loss of Evacuation Path .	800	NIL	GD-I
3	ER	1) 400kV Silchar-Palatana II 2) 132 kV AGTPP – AGARTALA I & II 3) 132 kV AGTPP – Kumarghat 4) 132 kV Palatana – Udaipur 5) 132 kV Palatana – SM Nagar 6) 132 kV Silchar-Srikona D/C 7) 132 kV Silchar –Panchgram	PGCIL/Neep co/Tsecl	42871	08:27	42871	08:48	00:21	At 08:27 hrs Silchar-Palatana I was under shut down and Silchar-Palatana II line got tripped (Silchar: Zone 4 , Palatana:DP operated,z-1,197 km ,RYB). Generation of Palatana, AGTPP, Rokhia & Monarchak tripped. Due to the above tripping of lines the Load loss was 236 MW (Tripura - 156 MW, Assam – 80 MW respectively). Bangladesh was drawing 84MW through Surajmani-Comilla Line, which also got interrupted. Generation Loss was 638 MW (Palatana – 396 MW, AGTPP – 86 MW, Tripura 156 MW) respectively.	638	Assam-80,Tripura-156	GD-II
4	NR	1) Gurgaon ICT II & I	UPPCL	42871	14:37	42871	16:16	01:39	400/220 kV ICT-2 tripped on differential protection (fault in 220 kV R-phase Cable) & 400/220 kV ICT-1 tripped on overcurrent .All other 220 kV feeders were connected at Gurgaon S/S. Details are still awaited from Gurgaon S/S.	NIL	450	GD-I
5	ER	1) 220 KV Subhasgram-Subhasgram D/C 2) 220 KV Kasba-Subhasgram (WB) D/C 3) 220 KV Subhasgram-Subhasgram D/C	PGCIL/WBSE TCL	42872	06:28	42872	06:45	00:17	At 06:28 Hrs 220 KV Subhasgram-Subhasgram D/C tripped on Y-N . due to Y ph LA failure for ckt -II at Powergrid end . 220 KV Kasba-Subhasgram (WB) D/C overreached the fault from Kasba end and tripped in Z2/3.Total power (around 300 MW) failed at Subhasgram S.S (WB) including traction.	NIL	300	GD-I
6	NR	1) 400kV Rihand-Singrauli I & II 2) 400 kV Rihand-Allahbad I & II 3) HVDC Rihand-Dadri Pole-I & II 4) Rihand unit 1 to 6	NTPC/PGCIL	42873	08:01	42873	09:05	01:04	Rihand substation went dark . Event initiated at 08:01 Hrs with the tripping of 400kV Rihand-Singrauli D/c and both poles of HVDC . Subsequently, 400kV Rihand-Allahabad tripped. and three running units 1,2,4 tripped. Subsequently, rest of the running units(3,5,6) tripped at 08:03 hrs resulted in generation loss of 2740 MW	2760		GD-I

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	Time				
7	WR	1) 400kV Aurangabad Bus-II 2) 400kV ICT I & II Aurangabad 3) 400 kV Aurangabad –Bhusawal S/C 4) 400 kV Aurangabad –Bableshtar S/C 5) 400 kV Aurangabad–Aurangabad(PG)-II 6) 400 kV Aurangabad –Pune(PG)-I 7) 400 kV Aurangabad –Taptitanda 8) 400 kV Aurangabad –Deepnagar	MSETCL/PG CIL	42874	10:56	42868	11:53	00:57	Bus bar protection of Main Bus-II optd at 400kV Aurangabad(MSETCL) S/S and all the connecting elements tripped. SLDC Kalwa/CPCC(N) intimated that blasting of Y-Phase Circuit Breaker of 400kV feeder Aurangabad(MSETCL) –Bhusawal (MSETCL) S/C occurred.	NIL	NIL	GI-2
8	NR	1) 765 kV Antah-Pahgi Ckt-1 2) 400 kV Chhabra-Antah I&II 3) 400 kV Chhabra-Kawai 4) 400 kV Antah-Kawai I & II 5) 400 kV Antah-Kalisindh I & II 6) 765/400 kV ICT I,II,III Antah 7) Chahbra I & IV 8) Kawai Unit I & II 9) Kalisindh Unit II 10) 400kV Bhilawara-Chahbra 11) 400kV Hindaun-Chahbra	PGCIL/RRVN L/ADANI	20-05-2017	20:06	20-05-2017	20:50	00:44	At 20:06 Hrs 765 kV Antah-Pahgi Ckt-1 tripped, leading to loss of evacuation path for generation at KAWAI, Kalisindh, Chahbra Complex. this further lead to tripping of all 400kv Lines and ICT's.		2200	GD-I