



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: 18th October 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 नॉग्रह , लापलंग, शिलॉंग - 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 9th October to 15th October 2017.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 9 अक्टूबर से 15 अक्टूबर 2017, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ 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 9th October to 15th October 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 (09 अक्टूबर से 15 अक्टूबर 2017 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:- 18-Oct-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)
09-10-2017	48905	2474	46274	75	38461		18349		2578	131	154567	2680
10-10-2017	49562	2570	45306	96	37670		19656		2703	98	154897	2763
11-10-2017	48354	3189	45708	65	37693		20299		2692	125	154745	3379
12-10-2017	47168	2397	46666	78	36872		20356	994	2637	154	153699	3623
13-10-2017	47304	1704	46666	133	37076	76	20428	1224	2648	145	154122	3282
14-10-2017	46311	1226	46624	286	36513		20862		2656	124	152967	1636
15-10-2017	45320	1291	45166	43	33545		20046	912	2432	187	146509	2433

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)
09-10-2017	1086	196	1065	20	794	99	385	88	46	22	3376	425
10-10-2017	1098	193	1059	20	793	116	374	92	50	23	3374	443
11-10-2017	1077	186	1044	19	794	106	392	99	50	23	3358	433
12-10-2017	1052	179	1052	21	785	106	409	99	50	21	3348	426
13-10-2017	1040	178	1063	22	786	109	420	98	48	22	3357	428
14-10-2017	1041	169	1061	20	770	98	418	95	47	22	3338	405
15-10-2017	1006	165	1050	19	727	93	411	96	47	25	3240	396

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
09-10-2017	6.54	6.70	77.41	15.89	49.99	0.037
10-10-2017	13.32	13.66	77.77	8.58	49.97	0.048
11-10-2017	11.59	12.11	81.91	5.98	49.97	0.045
12-10-2017	15.57	16.19	76.99	6.82	49.96	0.053
13-10-2017	18.55	21.05	76.39	2.56	49.95	0.070
14-10-2017	9.66	10.07	82.53	7.40	49.98	0.039
15-10-2017	4.92	4.92	83.07	12.01	50.00	0.027

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	09-10-2017		10-10-2017		11-10-2017		12-10-2017		13-10-2017		14-10-2017		15-10-2017	
	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	7709	0	7619	0	6991	0	6970	0	6846	0	6457	0	6241	0
	Haryana	7133	0	7478	19	7436	0	7141	25	7186	0	7102	0	6802	0
	Rajasthan	9086	544	9352	573	9575	465	10182	0	9551	316	10069	0	10021	0
	Delhi	4493	0	4521	0	4512	6	4510	0	4441	0	4088	0	3863	0
	UP	16310	0	16373	0	15710	0	15028	2085	15338	0	15781	210	15852	705
	Uttarakhand	1832	0	1872	0	1888	0	1859	0	1858	0	1879	0	1680	0
	HP	1299	0	1305	0	1329	0	1336	0	1343	0	1311	0	1244	11
	J&K	2037	509	1997	499	2222	555	2190	547	1993	498	1926	481	1964	491
Chandigarh	234	0	230	0	229	0	222	0	226	0	214	0	185	0	
WR	Chhattisgarh	3474	0	3552	0	3667	0	3715	0	3832	0	3681	83	3728	0
	Gujarat	17097	0	16889	0	15333	0	15304	0	15927	0	16007	0	15915	0
	MP	8466	0	8253	0	8728	0	9121	0	9182	0	9322	0	9270	0
	Maharashtra	17554	0	17959	0	17564	0	18204	0	17598	0	17885	0	17244	0
	Goa	510	0	515	0	476	0	454	0	454	0	454	0	434	0
	DD	334	0	344	0	335	0	337	0	340	0	338	0	317	0
	DNH	767	0	756	0	754	0	754	0	758	0	764	0	759	0
	Essar steel	250	0	258	0	246	0	328	0	379	0	488	0	441	0
SR	Andhra Pradesh	6776	0	6980	0	6775	0	6785	0	6844	0	6889	0	6499	0
	Telangana	6765	0	6912	0	6913	0	6883	0	7025	0	6689	0	6283	0
	Karnataka	6905	0	7382	0	6961	0	7157	0	7096	0	6849	0	6000	0
	Kerala	3490	0	3620	0	3543	0	3365	0	3353	0	3130	0	2991	0
	Tamil Nadu	13241	0	13715	0	13338	0	13129	0	12886	0	12981	0	12190	0
	Pondy	360	0	351	0	353	0	345	0	335	0	338	0	304	0
ER	Bihar	4693	0	4508	0	4311	0	4454	0	4605	0	4553	0	4453	100
	DVC	2667	0	2806	0	2782	0	2829	0	2806	0	2815	0	2856	0
	Jharkhand	1097	0	1077	0	1057	0	1071	0	1139	0	1234	0	1232	0
	Odisha	4501	0	4326	0	4503	0	4415	0	4371	0	4506	0	4105	100
	West Bengal	6328	0	7550	0	8125	0	8299	0	8184	0	8253	0	7884	0
	Sikkim	100	0	98	0	101	0	91	0	93	0	97	0	92	0
NER	Arunachal Pradesh	112	4	103	5	103	2	111	1	114	2	123	1	122	7
	Assam	1652	88	1745	65	1750	73	1682	134	1688	115	1660	100	1514	142
	Manipur	158	4	156	5	158	4	154	1	164	1	168	2	144	6
	Meghalaya	253	0	263	0	261	0	242	0	245	0	258	0	224	0
	Mizoram	76	4	75	4	75	1	82	0	84	2	85	2	72	3
	Nagaland	106	2	103	6	104	1	108	1	107	3	111	1	109	7
	Tripura	245	5	271	1	284	0	274	0	268	0	269	0	269	0

6. Energy Consumption in States (MUs)

Region	States	09-10-2017	10-10-2017	11-10-2017	12-10-2017	13-10-2017	14-10-2017	15-10-2017
NR	Punjab	164.8	166.7	158.7	151.5	144.3	146.1	134.7
	Haryana	151.7	153.9	155.0	151.1	147.5	148.2	141.4
	Rajasthan	197.7	202.8	205.1	204.5	201.4	203.7	199.3
	Delhi	95.8	96.4	95.7	96.2	93.8	87.4	82.0
	UP	370.1	370.9	355.3	338.9	347.5	350.5	349.5
	Uttarakhand	36.6	37.0	35.9	36.1	35.5	35.5	32.7
	HP	23.6	24.9	25.5	25.3	25.0	25.4	24.1
	J&K	40.8	40.9	41.3	43.8	40.5	40.3	38.8
	Chandigarh	4.7	4.7	4.7	4.6	4.5	4.1	3.6
WR	Chhattisgarh	79.4	79.7	81.7	82.2	84.4	83.7	86.1
	Gujarat	366.6	364.1	349.0	344.0	349.5	348.1	340.6
	MP	188.8	185.1	192.6	196.2	200.5	201.5	203.4
	Maharashtra	390.7	390.5	381.9	389.1	386.1	385.8	378.4
	Goa	10.0	10.4	9.8	9.9	9.9	9.9	8.7
	DD	7.4	7.6	7.6	7.7	7.6	7.6	7.3
	DNH	17.4	17.0	17.0	17.1	17.1	16.5	17.2
	Essar steel	4.6	4.7	4.7	5.9	7.6	8.1	8.8
SR	Andhra Pradesh	146.2	143.0	141.7	142.6	145.2	145.5	143.4
	Telangana	147.4	144.1	148.6	148.4	147.8	146.7	139.4
	Karnataka	139.6	141.5	140.3	138.4	141.8	133.4	120.3
	Kerala	67.2	69.1	68.8	66.9	66.0	62.9	57.0
	Tamil Nadu	286.4	287.5	287.6	281.3	278.0	274.3	259.8
	Pondy	7.4	7.3	7.3	7.3	7.0	7.1	6.6
ER	Bihar	85.6	83.5	77.2	81.5	83.8	82.7	83.7
	DVC	66.3	57.5	62.2	66.0	64.1	66.4	65.7
	Jharkhand	23.6	20.5	22.4	23.5	23.2	23.2	24.6
	Odisha	90.7	89.9	86.9	86.8	91.2	89.3	86.6
	West Bengal	117.6	121.8	142.1	149.7	156.5	155.1	148.3
	Sikkim	1.4	1.2	1.2	1.2	1.2	1.5	1.6
NER	Arunachal Pradesh	2.5	2.4	2.6	2.4	2.3	2.3	2.3
	Assam	28.6	30.5	31.5	32.7	30.5	29.3	28.5
	Manipur	2.1	2.1	2.1	2.2	2.1	2.1	2.3
	Meghalaya	5.2	6.1	5.6	4.5	4.4	5.0	4.6
	Mizoram	1.3	1.3	1.4	1.3	1.3	1.3	1.2
	Nagaland	1.9	2.6	2.5	2.5	2.7	2.5	2.4
	Tripura	4.4	4.6	4.7	4.9	4.7	4.5	5.3
ALL INDIA TOTAL		3375.8	3373.6	3358.2	3348.0	3356.8	3337.6	3240.0

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

साप्ताहिक रिपोर्ट (09 अक्टूबर से 15 अक्टूबर 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	09-10-2017	10-10-2017	11-10-2017	12-10-2017	13-10-2017	14-10-2017	15-10-2017
East to North	-63.0	-68.0	-61.9	-51.1	-45.4	-49.5	-53.7
East to West	27.5	20.1	29.6	32.0	38.9	37.0	34.7
East to South	-29.2	-32.2	-36.3	-31.4	-31.6	-26.9	-28.5
East to North-East	-8.7	-9.7	-14.3	-18.0	-14.1	-12.9	-6.6
North-East to North	-12.2	-10.9	-14.4	-15.4	-15.8	-15.3	-11.8
West to North	-108.1	-122.5	-122.8	-128.3	-130.6	-130.3	-133.5
West to South	9.9	2.8	6.2	7.2	12.8	17.2	14.2

भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (09 अक्टूबर से 15 अक्टूबर 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)
09-10-2017	24.4	1015	-4.6	-323	-190	-12.4	-667	-517
10-10-2017	23.6	982	-5.4	-331	-223	-15.3	-674	-639
11-10-2017	29.6	1234	-5.4	-375	-227	-15.1	-665	-629
12-10-2017	27.0	1123	-5.4	-259	-226	-12.7	-665	-530
13-10-2017	26.3	1097	-5.6	-257	-235	-7.2	-399	-298
14-10-2017	24.6	1027	-4.5	-288	-189	-13.2	-652	-550
15-10-2017	23.9	995	-4.7	-289	-197	-14.8	-645	-615
कुल Total	179.4		-35.7			-90.7		

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					
1	NER	1)400 KV Teesta V –Rangpo –II 2) Teesta V - Rangpo II 3) Teesta V-Unit 3 4) Dikchu - Unit 2	NER/PG	11.10.2017	12:55	11.10.2017	13:00	0:05	At 12:55 hrs , 400 KV Teesta V –Rangpo –II tripped on Y-N fault resulting into opening of 400 KV B/C at Teesta V,Teesta V - Rangpo II and unit -3 were at Bus II . So as the bus coupler tripped and Rangpo line was already opened from Rangpo end , running unit 3 of Teesta V also tripped due to loss of evacuation and bus II became dead.At the same instant running unit 2 of Dikchu tripped when cable differential protection 132 KV cable between Unit-2 GSU transformer & Unit-2 bay of 132 GIS) operated .	230	Nil	
2	NR	1)400kV Muzaffarnagar-Vishnuprayag 2) 400kV Muzaffarnagar-Alaknanda 3) 400kV Muzaffarnagar-Ataur 4) 400kV Muzaffarnagar-Roorkee 5) 400kV Muzaffarnagar-Meerut 6) 3*315MVA ICT's at Muzaffarnagar	NR/PG	09.10.2017	12:02	09.10.2017	13:02	1:00	At 12:02 hrs, Emergency S/D on 400kV Bus-A at Muzaffarnagar was sought by UPPCL to attend hot spot at B-ph pantograph isolator. During availing of the S/D the bus bar protection operated resulting in tripping of all 400kV emanating lines along with 3no's 315MVA ICT at Muzaffarnagar.	500	Nil	
3	ER	1)132 kV Rokhia-Agartala II 2)132 kV Rokhia- Monarchak 3)AGTCCPP GTG-4,STG-2 4)Monarchak STG 5)Rokhia Unit 8 & 9 6)Gumti Unit-All units	NER/PG	14.10.2017	01:15	14.10.2017	01:30	0:15	At 01:15 Hrs 132 kV Rokhia- Agartala line I tripped (Rokhia : E/F, Agartala : E/F) , along with this line following lines tripped.	95	45	
4	ER	1) 400 kV Bawana-Abdullapur 2) 400 kV Bawana-Dipalpur 3) 400 kV Bawana-Mandola-I & II 4)400 kV Bawana- CCGT Bawna-I &II 5) 400 kV Mundka-Bawana-1 & II 6) ICT 1 to 6 at Bawana 7) 400 kV CCGT Bawana-Bhiwani 8) 400 kV CCGT Bawana-Bahadurgarh	NR/PG	14.10.2017	10:19	14.10.2017			As reported at 10.19 Hrs tripping occurred at Bawana. Fire in CCGT Bawana reported by Delhi SLDC. The incident caused generation loss of around 450 MW (2 GT & 1 ST and load loss of around 500 MW (reported by delhi). However since frequency after tripping was slightly high 49.956 Hz to 49.971 Hz so it seems that Load loss was more than generation loss	450	500	
5	ER	1)132/33 KV Jamui S.S 2)132 KV Lakhisarai-Jamui D/C	ER/PG	11.10.2017	09:55				At 09:55 Hrs, Due to flash flood from near by river , entire 132/33 KV Jamui S.S was switched off . 132 KV Lakhisarai-Jamui D/C were switched off. There was load interruption to town of Jamui .	Nil	40	
6	ER	1) 400 kv Teesta - Rangpo 2) Teesta unit- 1,2,3,4,5 & 6 3) Dikchu - Unit - I & II 4) HEP Unit-I & II		13.10.2017	14:39				At 14:39 hrs, 400 kv Teesta III- Rangpo tripped on Y-B fault,resulting in to tripping of all unit 1,2,3,4,5,& 6 at Teesta and unit 1 & 2 Dikchu HEP. Fault current are of the order 7.5 to 8 K.A at Rangpo.	749		