



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:07th December 2018

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., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 26th November to 02nd December 2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 26 नवंबर से 02 दिसम्बर 2018, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 26th November to 02nd December 2018, is available at the NLDC website.

Thanking you,

Yours faithfully,

(मुज्य प्रबन्धक, SO)
DGM (SO)

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

साप्ताहिक रिपोर्ट (२६ नवम्बर से 02 दिसम्बर 2018 तक)
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

रिपोर्टिंग तिथि:-06- दिसम्बर-18

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	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
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
26-11-2018	42328	513	49598		39832		18007	215	2416	13	152181
27-11-2018	42322	657	49282		39881		18462	490	2408	19	152355
28-11-2018	42716	496	48491		40620		18217		2426	50	152470
29-11-2018	42519	532	49431		39684		18059		2455	52	152148
30-11-2018	42642	519	48488		40672		18224	290	2439	37	152465
01-12-2018	42644	529	47768		39746		17896	100	2413	85	150467
02-12-2018	40953	510	45822		36767		17790		2308	44	143640

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
	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)
26-11-2018	900	118	1166	22	874	70	348	36	41	8	3328
27-11-2018	898	122	1163	24	884	63	347	36	43	8	3334
28-11-2018	922	122	1147	20	898	60	351	39	44	8	3362
29-11-2018	911	119	1152	23	897	71	349	45	44	8	3354
30-11-2018	919	120	1143	23	899	71	363	37	44	8	3368
01-12-2018	911	115	1128	27	892	67	347	33	43	8	3322
02-12-2018	874	113	1101	18	845	55	337	26	41	7	3198

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
26-11-2018	8.44	8.77	80.23	11.00	49.99	0.035
27-11-2018	12.51	12.96	76.05	10.98	49.97	0.049
28-11-2018	4.06	4.19	81.91	13.90	49.99	0.030
29-11-2018	25.74	27.35	65.72	6.93	49.95	0.078
30-11-2018	21.50	23.52	69.97	6.52	49.95	0.076
01-12-2018	8.75	8.75	82.66	8.59	49.98	0.033
02-12-2018	3.13	3.13	78.98	17.89	50.00	0.032

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 765 kV Angul-Jharsuguda lines-3 & 4 first time charged on 28-11-2018 at 20:54 hrs. & 23:58 hrs respectively.

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

Region	Date	26-11-2018		27-11-2018		28-11-2018		29-11-2018		30-11-2018		01-12-2018		02-12-2018	
	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	25-10-2018	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	5815	0	5550	0	5579	0	5581	0	5542	0	5791	0	5651	0
	Haryana	6256	0	6149	93	6258	25	6207	0	6406	0	6339	0	5682	0
	Rajasthan	11648	0	11624	0	11688	0	11545	0	11741	0	11736	0	11479	0
	Delhi	3318	0	3302	0	3309	0	3394	0	3571	0	3290	0	3311	0
	UP	12117	100	12333	140	12631	0	12429	20	12532	0	12901	0	12685	0
	Uttarakhand	1851	0	1892	0	1897	0	1866	0	1860	0	1860	0	1713	0
	HP	1548	9	1586	9	1585	0	1529	0	1538	0	1486	0	1356	0
	J&K	2188	547	2337	584	2048	512	2318	579	2178	545	2302	576	2039	510
	Chandigarh	183	0	187	0	189	0	182	0	199	0	183	0	174	0
WR	Chhattisgarh	3552	0	3546	0	3568	0	3572	0	3587	0	3507	0	3519	0
	Gujarat	15457	0	15159	0	14803	0	14967	0	15186	0	14883	0	14461	0
	MP	13390	0	13571	0	13177	0	13242	0	13192	0	13192	0	13280	0
	Maharashtra	21438	0	21576	0	21428	0	21771	0	21041	0	21097	0	20502	0
	Goa	501	0	501	0	480	0	480	0	480	0	483	0	484	0
	DD	311	0	320	0	322	0	304	0	317	0	290	0	261	0
	DNH	704	0	702	0	700	0	683	0	683	0	675	0	675	0
	Essar steel	550	0	544	0	525	0	590	0	568	0	519	0	516	0
SR	Andhra Pradesh	7753	0	7764	0	8018	0	8104	0	8137	0	8010	0	7846	0
	Telangana	7828	0	7928	0	8060	0	8035	0	7977	0	7965	0	7495	0
	Karnataka	10426	0	10024	0	10147	0	10384	0	11171	0	11023	0	10088	0
	Kerala	3718	0	3604	0	3606	0	3524	0	3683	0	3595	0	3338	0
	Tamil Nadu	12934	0	12929	0	13395	0	12689	0	13164	0	12939	0	11636	0
	Pondy	336	0	312	0	324	0	326	0	321	0	317	0	276	0
ER	Bihar	4121	0	4012	0	4036	0	4097	0	4026	0	3927	0	4029	0
	DVC	2797	100	2774	0	2667	0	2727	0	2736	0	2740	0	2848	0
	Jharkhand	1216	0	1153	102	1128	0	1037	0	1036	0	1107	100	1195	0
	Odisha	4583	0	4730	0	4581	0	4332	0	4375	150	4217	0	4208	0
	West Bengal	6094	0	6275	0	6558	0	6459	0	6525	0	6396	0	5817	0
	Sikkim	96	0	112	0	100	0	100	0	100	0	100	0	88	0
NER	Arunachal Pradesh	112	2	118	2	115	2	121	2	123	5	120	2	111	3
	Assam	1393	12	1424	15	1426	39	1482	38	1445	26	1430	70	1341	24
	Manipur	170	2	175	3	170	2	163	7	163	3	191	3	168	6
	Meghalaya	332	0	347	0	350	0	352	6	351	7	341	0	340	4
	Mizoram	85	1	87	2	85	4	92	11	92	6	94	2	86	2
	Nagaland	132	2	119	4	116	3	124	4	125	8	122	3	129	7
	Tripura	221	3	211	0	225	1	212	3	224	1	218	1	215	2

6. Energy Consumption in States (MUs)

Region	States	26-11-2018	27-11-2018	28-11-2018	29-11-2018	30-11-2018	01-12-2018	02-12-2018
NR	Punjab	123.3	124.2	126.2	126.2	123.5	126.2	123.3
	Haryana	116.3	121.5	122.7	121.9	124.7	125.4	116.1
	Rajasthan	230.5	230.9	231.5	227.8	230.8	228.9	225.6
	Delhi	60.9	62.0	62.5	62.3	64.2	59.8	56.8
	UP	257.2	244.4	267.5	259.6	263.5	260.4	249.9
	Uttarakhand	34.9	36.4	36.0	35.0	35.5	35.2	32.7
	HP	27.1	28.2	28.9	28.2	28.6	27.1	25.3
	J&K	46.6	46.7	43.5	47.3	45.2	45.0	41.4
	Chandigarh	3.2	3.2	3.3	3.2	3.4	3.1	2.9
WR	Chhattisgarh	75.7	75.8	77.3	76.9	76.5	75.6	76.0
	Gujarat	334.2	330.8	326.7	329.5	331.4	327.4	311.8
	MP	265.9	265.8	257.8	258.6	259.0	257.3	257.1
	Maharashtra	445.6	446.2	440.9	442.5	431.3	425.3	414.7
	Goa	10.3	10.4	10.2	9.8	9.9	9.8	9.6
	DD	6.7	6.8	7.0	6.9	7.0	6.6	6.0
	DNH	16.1	15.9	16.1	16.0	16.0	15.3	15.8
	Essar steel	11.7	11.5	11.2	12.3	12.0	11.0	10.5
SR	Andhra Pradesh	167.2	167.7	172.2	172.6	174.7	172.5	169.3
	Telangana	169.3	170.0	169.9	170.2	167.7	166.7	160.6
	Karnataka	199.5	201.0	203.5	206.5	211.3	209.4	195.6
	Kerala	71.8	71.2	70.6	71.7	71.2	71.7	64.7
	Tamil Nadu	259.7	267.6	275.7	269.7	267.2	265.6	248.9
	Pondy	6.3	6.3	6.6	6.6	6.6	6.6	5.8
ER	Bihar	69.6	69.8	69.1	68.5	73.3	72.4	68.4
	DVC	60.3	58.4	55.7	56.7	58.8	57.9	59.9
	Jharkhand	25.0	24.8	25.8	23.0	24.1	23.8	25.1
	Odisha	84.6	87.0	86.4	85.5	85.6	82.8	81.6
	West Bengal	106.7	105.8	112.2	114.3	119.8	108.9	100.7
	Sikkim	1.7	1.6	1.5	1.4	1.4	1.4	1.2
NER	Arunachal Pradesh	2.2	2.2	2.2	2.2	2.1	2.3	2.2
	Assam	23.0	24.1	24.7	24.5	23.7	24.6	22.7
	Manipur	2.4	2.5	2.5	2.7	2.6	2.7	2.7
	Meghalaya	6.1	6.2	6.6	6.6	6.5	6.3	6.4
	Mizoram	1.5	2.0	2.0	1.8	2.0	1.5	1.6
	Nagaland	2.1	2.2	2.2	2.3	2.2	2.1	2.2
	Tripura	3.5	3.6	3.7	3.8	4.4	3.8	3.6
ALL INDIA TOTAL		3328.4	3334.4	3362.3	3354.4	3367.5	3322.2	3198.4

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

साप्ताहिक रिपोर्ट (२६ नवम्बर से 02 दिसम्बर 2018 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	26-11-2018	27-11-2018	28-11-2018	29-11-2018	30-11-2018	01-12-2018	02-12-2018
East to North	-51.5	-44.6	-43.3	-39.8	-37.6	-44.3	-42.2
East to West	31.2	42.9	34.2	25.9	27.9	25.2	27.8
East to South	-71.8	-76.1	-83.0	-83.1	-83.1	-83.3	-81.1
East to North-East	-11.9	-14.9	-16.8	-15.6	-20.1	-14.5	-16.6
North-East to North	-14.0	-15.8	-15.7	-13.4	-13.8	-10.3	-14.1
West to North	-93.0	-97.2	-101.4	-97.1	-97.2	-103.6	-105.8
West to South	-52.5	42.9	-44.5	-47.9	-49.5	-49.6	-48.7

भूटान , नेपाल एव बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH साप्ताहिक रिपोर्ट (२६ नवम्बर से 02 दिसम्बर 2018 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)
26-11-2018	4.5	186	-2.8	-154	-116	-17.3	-825	-721
27-11-2018	4.1	169	-2.8	-138	-117	-17.3	-830	-722
28-11-2018	6.9	286	-2.8	-132	-117	-15.9	-822	-664
29-11-2018	8.9	369	-2.8	-140	-119	-13.4	-814	-556
30-11-2018	4.9	203	-2.9	-140	-120	-11.3	-567	-471
01-12-2018	4.6	190	-3.2	-150	-135	-11.1	-579	-463
02-12-2018	3.2	135	-3.5	-156	-147	-12.3	-588	-513
कुल Total	36.9		-20.9			-98.7		

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	NR	1) 400kV Dadri(NTPC)-G.Noida(UP) 2) 400kV G.Noida(765)-G.Noida(400) ckt-2 3) 400kV Dadri(NTPC)-Panipat(BBMB) ckt-2 4) 500MVA 400/220kV ICT 5 at 400kV Greater Noida(UP) 5) 315MVA 400/220kV ICT 1 at 400kV Greater Noida(UP) 6) 315MVA 400/220kV ICT 2 at 400kV Greater Noida(UP)	UP, POWERGRID & NTPC	26-11-2018	01:56	26-11-2018	02:31	00:35	Due to Y-phase CT blast of Dadri (NTPC) line at 400 kV Greater Noida (UP), 400kV Dadri(NTPC)-400kV Greater Noida(UP) & 400kV Greater Noida(UP)-765kV Greater Noida(UP) ckt-2 tripped along with 500 MVA ICT-5, 315 MVA ICT-1 & 2. At the same time, 400 kV Dadri(NTPC)-Panipat(BBMB) ckt-2 also tripped from Dadri(NTPC) end. As per PMU, R-N fault is observed. In antecedent conditions, 500MVA ICT5, 315 MVA ICT1 & 315 MVA ICT2 carrying 101MW, 62MW & 67MW respectively.	NIL	NIL	GI-2
2	NR	1) 500MVA 400/220kV ICT1 at 400kV Aaur(UP) 2) 500MVA 400/220kV ICT2 at 400kV Aaur(UP) 3) 220kV Aaur(UP)-Mort(UP) ckt-2 4) 220kV Aaur(UP)-Mandola(UP) ckt-1	UP	26-11-2018	15:32	26-11-2018	16:34	01:02	500MVA 400/220kV ICT 1 & ICT 2 at 400kV Aaur(UP) tripped due to Bus bar protection maloperation. As per PMU, No fault is observed in the system. In antecedent conditions, 500MVA ICT 2 carrying 72 MW.	NIL	NIL	GI-2
3	NR	1) 400kV Rajpura(Pun)-Rajpura(TH)(Pun) ckt-2 2) 400kV Rajpura(Pun)-Dhuri(Pun) ckt-1	Punjab	26-11-2018	15:49	26-11-2018	16:57	01:08	400kV Rajpura(Pun)-Rajpura(TH)(Pun) ckt-2 and 400kV Rajpura(Pun)-Dhuri(Pun) ckt-1 tripped while doing testing work. As per PMU, No fault observed in the system. In antecedent condition, 400kV Rajpura(Pun)-Rajpura(TH)(Pun) ckt-2 & 400kV Rajpura(Pun)-Dhuri(Pun) ckt-2 carrying 274 MW & 86 MW respectively.	NIL	NIL	GI-2
4	NR	1) 400kV Banda(UP)-Orai(UP) ckt-1 2) 315 MVA 400/220kV ICT 1 at Orai(UP) 3) 400 kV Bus 2 at 400/220kV Orai(UP)	UP	29-11-2018	02:25	29-11-2018	04:26	02:01	400kV Banda(UP)-Orai(UP) ckt-1 tripped on R-N fault. At the same time, 400 kV Bus 2 and 315 MVA ICT 1 at 400/220kV Orai(UP) also tripped. As per PMU, Y-N fault is observed. In antecedent condition, 315 MVA ICT 1 carrying 123 MW and 400kV Banda(UP)-Orai(UP) ckt-1 carrying 75 MW.	NIL	NIL	GI-2
5	ER	2*110 MW U#5,U#6 160 MVA 220/132 KV ICT I, ICT II 220 KV TTPS-TSTPP 220 KV TTPS-Joda D/c 220 KV TTPS-Rengali 220 KV TTPS-Meramundali II	OPTCL	29-11-2018	07:23	29-11-2018	08:15	00:52	At 07:23 Hrs, 220 KV Bus II tripped alongwith 2*110 MW U#5,U#6, 160 MVA 220/132 KV ICT I, ICT II, 220 KV TTPS-TSTPP S/C, 220 KV TTPS-Joda D/C, 220 KV TTPS-Rengali S/C, 220 KV TTPS-Meramundali II.	200	0	GD-I
6	NER	132 kV Udaipur - Monarchak Line and 132 kV Udaipur-Palatana Line	TSECL	27-11-2018	09:48	27-11-2018	15:15	05:27	Udaipur area of Tripura Power System was connected with rest of NER Grid through 132 kV Udaipur -Monarchak Line and 132 kV Udaipur-Palatana Line. 66 kV Udaipur - Gokulnagar Line, 66 kV Amarapur - Gumti Line and 66 kV Bagafa - Belonia Line kept open for system requirement. At 09:48 Hrs on 27.11.2018, 132 kV Udaipur -Monarchak Line and 132 kV Palatana-Udaipur tripped. Due to tripping of this element, Udaipur area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	110	18	GD-I
7	NER	132 kV Dimapur (PG)-Kohima (DoP, Nagaland) line	POWERGRID & DoP, Nagaland	29-11-2018	10:37	29-11-2018	10:49	00:12	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur (PG)-Kohima (DoP, Nagaland) line. 132 kV Kohima-Karong line & 66 kV Tuensang-Likimro line kept open for system requirement. 132 kV Kohima - Wokha line kept open due to protection co-ordination issue. At 10:37 Hrs on 29.11.2018, 132 kV Dimapur (PG)-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	6	18	GD-I