



National Load Despatch Centre
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)
CIN No.: U40105DL2009GOI188682
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 14th Feb 2020

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. 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 3rd Feb-2020 to 09th Feb-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स-5.5.1 के प्रावधान के अनुसार, 03 फरवरी-2020 से 09 फरवरी-2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक 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 3rd Jan-2020 to 09th Feb-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr. DGM (SO-I)

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

साप्ताहिक रिपोर्ट (03 फरवरी 2019 से 09 फरवरी 2020 तक)

रिपोर्टिंग तिथि:- 14-Feb-20

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)
03-02-2020	47975	539	49234		42415		18407		2463	20	160494	559
04-02-2020	47447	534	48660		41794		18300		2438	20	158639	554
05-02-2020	48072	582	48888		41918		18179		2443	40	159500	622
06-02-2020	47595	543	48590		43633		18638		2458	48	160914	591
07-02-2020	48077	627	47958		41389		18810		2413	43	158647	670
08-02-2020	47681	632	48184		40929		18738		2406	46	157938	678
09-02-2020	43924	630	45532		38522		17884		2291	47	148153	677

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)
03-02-2020	959	121	1183	62	1006	84	359	30	41	5	3548	301
04-02-2020	983	128	1182	50	1023	80	361	29	41	4	3590	292
05-02-2020	989	125	1175	38	1047	85	357	38	42	5	3609	291
06-02-2020	993	126	1185	44	1051	89	360	35	42	5	3632	299
07-02-2020	1004	125	1171	43	1051	90	368	34	42	5	3636	298
08-02-2020	988	125	1164	37	1034	88	370	31	42	5	3596	286
09-02-2020	963	123	1116	36	958	68	363	29	39	9	3439	264

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड	ऑ० ई० गिड
03-02-2020	14.17	17.26	72.71	10.03	49.97	0.067
04-02-2020	13.32	15.80	73.40	10.80	49.97	0.064
05-02-2020	5.53	6.12	74.46	19.42	50.00	0.040
06-02-2020	6.52	6.52	75.76	17.72	50.00	0.037
07-02-2020	6.69	7.03	72.92	20.06	50.00	0.040
08-02-2020	6.93	7.44	72.69	19.87	50.00	0.041
09-02-2020	4.49	4.57	71.03	24.40	50.01	0.041

*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	03-02-2020		04-02-2020		05-02-2020		06-02-2020		07-02-2020		08-02-2020		09-02-2020	
	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	03-01-2020	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	5912	0	5918	0	6274	0	6298	0	6280	0	6434	0	5872	0
	Haryana	6338	0	6478	0	6700	0	6744	0	6895	0	6643	0	6567	0
	Rajasthan	13830	0	14088	0	13913	484	14209	0	14198	0	14085	0	13831	0
	Delhi	4223	0	4083	0	4129	0	4193	0	4434	0	3687	0	4323	0
	UP	15964	0	15903	0	16241	245	16597	60	16191	150	16627	150	15709	0
	Uttarakhand	2097	0	2151	0	2183	0	2178	0	2233	0	2127	0	2003	0
	HP	1712	0	1737	0	1702	0	1702	0	1732	0	1741	0	1593	0
	J&K	2349	587	2626	656	2646	661	2696	674	2508	627	2572	643	2520	630
	Chandigarh	262	0	263	0	269	0	259	0	267	0	241	0	210	0
WR	Chhattisgarh	3788	0	3753	0	3477	0	3594	0	3313	0	3238	0	3282	0
	Gujarat	15921	0	15786	0	15541	0	15857	0	15885	0	15853	0	15204	0
	MP	14785	0	14329	0	14324	0	14555	0	14555	0	14592	0	14510	0
	Maharashtra	22649	0	22722	0	22638	0	22853	0	22086	0	21792	0	21379	0
	Goa	482	0	481	0	482	0	490	0	458	0	463	0	407	0
	DD	320	0	327	0	332	0	315	0	329	0	322	0	288	0
	DNH	794	0	766	0	774	0	782	0	761	0	769	0	754	0
	Essar steel	759	0	809	0	757	0	793	0	786	0	811	0	773	0
	Andhra Pradesh	9225	0	8953	0	9268	0	9336	0	9304	0	9226	0	9077	0
SR	Telangana	10767	0	11110	0	11455	0	11449	0	11527	0	11278	0	9007	0
	Karnataka	12381	0	12369	0	12389	0	12732	0	12618	0	12615	0	11302	0
	Kerala	3618	0	3660	0	3719	0	3777	0	3676	0	3497	0	3373	0
	Tamil Nadu	14383	0	14330	0	14415	0	14474	0	14746	0	14557	0	13092	0
	Pondy	358	0	370	0	369	0	373	0	368	0	364	0	330	0
	Bihar	4415	0	4423	0	4450	0	4485	0	4435	0	4412	0	4227	0
ER	DVC	3084	0	3057	0	3213	0	3161	0	3166	0	3124	0	3105	0
	Jharkhand	1251	0	1342	0	1299	0	1326	0	1287	0	1319	0	1284	0
	Odisha	4009	0	3841	0	3643	0	3893	0	3911	0	4235	0	4476	0
	West Bengal	6348	0	6444	0	6339	0	6489	0	6389	0	6292	0	5766	0
	Sikkim	136	0	124	0	145	0	137	0	135	0	140	0	120	0
NER	Arunachal Pradesh	121	3	125	1	129	1	125	5	124	3	120	1	119	1
	Assam	1382	5	1383	7	1405	22	1378	38	1359	37	1385	41	1290	40
	Manipur	210	3	216	1	214	1	195	3	194	4	207	1	138	1
	Meghalaya	385	0	378	0	386	0	385	2	386	2	386	0	355	0
	Mizoram	105	1	108	0	106	2	111	3	108	4	106	2	107	1
	Nagaland	127	2	122	1	120	1	121	2	116	3	125	1	125	1
Tripura	223	0	226	0	225	0	224	10	223	11	229	1	215	1	

6. Energy Consumption in States (MUs)

Region	States	03-02-2020	04-02-2020	05-02-2020	06-02-2020	07-02-2020	08-02-2020	09-02-2020
NR	Punjab	113.0	120.2	120.5	123.8	126.0	127.2	121.6
	Haryana	123.6	128.5	131.6	131.6	133.0	131.6	122.9
	Rajasthan	245.1	249.0	250.3	251.7	249.7	247.4	243.3
	Delhi	70.7	69.8	71.7	70.7	73.4	62.0	72.1
	UP	283.5	287.4	290.9	292.0	295.5	295.4	286.3
	Uttarakhand	38.3	39.3	39.3	39.4	40.1	39.2	35.6
	HP	30.2	30.7	30.1	30.5	31.1	30.3	27.5
	J&K	50.2	53.6	50.2	49.7	51.1	50.7	49.9
	Chandigarh	4.1	4.2	4.1	4.1	4.2	3.9	3.5
WR	Chhattisgarh	80.9	77.7	74.1	75.6	71.8	72.8	69.3
	Gujarat	332.1	333.9	332.6	337.0	337.3	333.9	318.9
	MP	270.1	265.0	262.7	267.7	267.7	266.9	261.6
	Maharashtra	459.1	464.5	464.8	463.7	452.7	449.6	428.1
	Goa	9.5	10.0	10.0	9.8	9.6	9.6	8.3
	DD	7.0	7.3	7.4	7.1	7.3	7.3	6.6
	DNH	18.4	18.0	18.1	18.2	17.9	18.0	17.7
	Essar steel	5.4	5.7	5.4	5.7	6.2	5.4	5.3
SR	Andhra Pradesh	184.4	180.6	184.6	189.5	188.1	187.4	180.5
	Telangana	208.6	215.2	228.9	226.2	226.7	220.6	192.9
	Karnataka	233.6	233.9	239.1	239.5	238.3	230.7	214.3
	Kerala	73.3	74.3	75.6	75.4	75.4	73.4	67.0
	Tamil Nadu	298.9	311.3	311.0	312.9	314.7	314.6	295.9
	Pondy	7.2	7.3	7.5	7.5	7.5	7.6	6.9
ER	Bihar	77.3	77.8	77.4	77.0	79.6	76.4	75.9
	DVC	65.0	65.3	63.6	64.7	67.0	68.6	65.6
	Jharkhand	25.8	25.2	25.2	25.1	25.7	25.4	25.4
	Odisha	76.0	69.9	68.9	71.0	72.0	77.0	84.3
	West Bengal	113.4	121.4	119.9	120.7	121.4	120.2	111.2
	Sikkim	2.0	1.9	2.0	2.0	2.1	1.9	1.0
NER	Arunachal Pradesh	2.2	2.2	2.3	2.3	2.2	2.0	2.7
	Assam	22.4	22.3	22.7	22.8	23.9	23.0	20.9
	Manipur	2.7	2.7	2.7	2.7	2.3	2.4	2.1
	Meghalaya	6.7	6.5	6.6	6.9	6.7	6.7	6.4
	Mizoram	1.7	1.7	1.8	1.6	1.6	1.7	1.6
	Nagaland	2.3	2.3	2.4	2.3	2.1	2.2	2.2
	Tripura	3.4	3.5	3.1	3.6	3.7	3.4	3.4
ALL INDIA TOTAL		3548.0	3589.8	3609.3	3631.8	3635.5	3596.5	3438.8

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

साप्ताहिक रिपोर्ट (03 फरवरी 2019 से 09 फरवरी 2020 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	03-02-2020	04-02-2020	05-02-2020	06-02-2020	07-02-2020	08-02-2020	09-02-2020
East to North	-57.4	-76.6	-73.4	-69.3	-64.7	-55.4	-55.6
East to West	24.4	9.5	20.9	34.8	39.4	56.4	52.2
East to South	-89.1	-91.6	-102.3	-107.8	-114.0	-114.9	-98.1
East to North-East	6.7	7.4	5.3	-9.0	-17.6	-23.1	-16.9
North-East to North	11.2	10.9	11.0	-2.2	-13.0	-15.4	-11.2
West to North	-168.6	-183.8	-171.9	-161.9	-162.8	-155.3	-154.0
West to South	-63.2	-82.2	-58.7	-87.5	-94.6	-100.5	-82.7

भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH

साप्ताहिक रिपोर्ट (03 फरवरी 2019 से 09 फरवरी 2020 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	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
03-02-2020	1.9	78	-10.7	-552	-444	-11.4	-860	-475
04-02-2020	1.7	70	-10.8	-576	-451	-10.9	-673	-453
05-02-2020	1.9	80	-10.7	-569	-447	-11.3	-859	-470
06-02-2020	1.8	75	-11.5	-586	-479	-11.6	-854	-484
07-02-2020	1.7	71	-11.2	-531	-465	-7.5	-571	-312
08-02-2020	1.5	64	-10.0	-462	-418	-11.0	-860	-460
09-02-2020	0.3	14	-10.5	-572	-436	-12.9	-909	-537
कुल Total	10.9		-75.4			-76.6		

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	ER	All 220kV feeders from Bidhannagar 400/220kV ICTs 2*315MVA Bidhaannagar 220/132kV ICTs 3*160MVA Bidhaannagar DPL unit -7 DPL unit -8	DVC/WBSEB	01-Feb-20	21:05	01-Feb-20	21:35	00:30	At 21:05 hrs both 220kV Bus at Bidhannagar SS tripped on Bus differential protection due to failure of 220kV Bus Coupler CT. This resulted into tripping of all 220kV outgoing feeders, 2*315MVA 400/220kV ICTs, 3*160MVA 220/132kV ICTs and two running units of DPL unit #7 (IC 300 MW) & unit#8 (IC 200MW) due to loss of evacuation path. There is a load loss of approx. 300 MW around Bidhannagar.	350	300	GD-1
2	WR	400kV Bus-1 at Ranchodpura 400 kV Ranchodpura- Dehgam 1 400 kV Ranchodpura- Dehgam 2 400 kV Ranchodpura- Bachau 1 4400 kV Ranchodpura- Choriania 1 400 kV Ranchodpura- Choriania 2 400 kV Ranchodpura - Kansari 400 kV Ranchodpura - Veluda 400 kV/ 220 kV 315 MVA ICT 2 400 kV/ 220 kV 315 MVA ICT 3 400 kV/ 220 kV 315 MVA ICT 4 400kV Bus Reactor 1 (50 MVA)	Gujrat	5-Feb-20	14:32	5-Feb-20	14:49	00:17	At 14:32 Hrs, 400 kV Bus-1 of Ranchodpura tripped. 400kV/220kV ICT -1 was being taken into service after completion of isolator alignment works, incidentally at the same time a kite thread stuck on 400kV Bus -1 B phase and bus bar protection operated resulting in tripping of all elements	Nil	Nil	GI-II
3	WR	400 kV Chhegaon -Julwania 400/220 kV ICT-1 Chhegaon 400/220 kV ICT-2 Chhegaon 220 kV Chhegaon -Khandwa-2 220 kV Chhegaon -Nimrani -2 220 kV Nepanagr- Chhegaon 220 kV Chhegaon -Omkareshwar 220/132 kV Transformer - 2	NTPC/PG	7-Feb-20	06:40	7-Feb-20	07:01	00:21	At 06:40 Hrs, 400kV Khandwa Chhegaon -2 tripped on R-ph fault. Fault location was 8.6 km from Chhegaon and later reason reported as conductor snapping. Because of this elements on 220kV side at Chhegaon also tripped as per the following table including 400 kV Chhegaon -Julwania (DT recieved) & 400/220 kV ICT-1 (Tripped on BEF protection), 400/220 kV ICT-2 (Tripped on Diff. protection).	Nil	Nil	GI-II
4	WR	220kV /132kV 40 MVA Transformer 1 at Jetpura 220kV /132kV 160 MVA Transformer 2 at Jetpura Jetpura – Indore North Zone(Tap) Jetpura – Ashtha-1 Jetpura – Ashtha-2 Jetpura – Indore PG -1 Jetpura – Indore PG -2	MPPTCL	7-Feb-20	09:25	7-Feb-20	10:23	00:58	At 09:25 Hrs, Fire caught on 220/132kV 40MVA Transformer at 220kV Indore MP (Jetpura) SS and all feeders emanating from 220kV Indore MP (JETPURA) SS Tripped.	0	400	GD-1
5	ER	220 KV Muzaffarpur-Hajipur d/c 220kV Bus at Hajipur All lines emanating from 220kV Hajipur	BSES	9-Feb-20	12:53	9-Feb-20	13:38	00:45	At 12:53 hrs, 220 KV Muzaffarpur-Hajipur d/c tripped due to bus bar protection operation at Hazipur leading to tripping of all lines emanating from 220 KV Hajipur, causing load loss at Hajipur, Amnour, Siwan, Chhapra, Hathua, New Siwean (Raghnathpur) & Gopalganj (traction load loss of approx. 25MW at Hajipur, Siwan, Chhaara).	Nil	183	GD-1