



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: 13th Sept 2019

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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 02nd Sep-2019 to 08th Sep-2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 02 सितम्बर-2019 से 08 सितम्बर-2019, 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 02nd Sep-2019 to 08th Sept-2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

DGM (SO)

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

साप्ताहिक रिपोर्ट (02 सितम्बर से 08 सितम्बर 2019 तक)

रिपोर्टिंग तिथि:- 13-Sep-19

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

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (में०वा०)

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	अधिकतम कमी
	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)	(में०वा०)
02-09-2019	57109	2798	42657		35835		22189		2800	228	160590	3026
03-09-2019	58288	2292	44404		38122		22113		2887	176	165814	2468
04-09-2019	58624	2632	43914		39067		21921		2922	136	166448	2768
05-09-2019	57961	1680	45086	37	40411		22491		2897	114	168846	1831
06-09-2019	58936	2466	44234		40437		22336		2884	160	168827	2626
07-09-2019	56800	2165	43664		39784		21350		2921	157	164519	2322
08-09-2019	55761	504	41076		38239	33	20611		2704	186	158391	723

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)
02-09-2019	1308	362	973	98	840	94	475	136	54	16	3650	706
03-09-2019	1357	360	1008	103	856	103	476	134	55	16	3751	717
04-09-2019	1352	365	1003	100	871	115	466	136	53	19	3745	735
05-09-2019	1333	361	1006	97	894	130	467	138	53	19	3754	746
06-09-2019	1340	375	1015	112	918	154	466	130	55	20	3793	791
07-09-2019	1331	376	1005	121	918	163	461	130	55	22	3770	812
08-09-2019	1293	368	954	119	886	152	444	134	52	20	3629	794

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
02-09-2019	4.24	4.32	70.34	25.35	50.02	0.031
03-09-2019	6.06	6.66	76.78	16.56	50.00	0.033
04-09-2019	2.91	3.06	80.53	16.41	50.01	0.026
05-09-2019	1.91	1.91	81.05	17.04	50.01	0.027
06-09-2019	1.49	1.56	84.71	13.73	50.01	0.022
07-09-2019	2.06	2.06	82.25	15.69	50.01	0.021
08-09-2019	4.05	4.06	72.44	23.50	50.02	0.027

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 400/220 kV 500 MVA ICT-4 at Biharsharif first time charged on 03-09-2019 at 17:30 hrs.

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

Region	Date	02-09-2019		03-09-2019		04-09-2019		05-09-2019		06-09-2019		07-09-2019		08-09-2019	
	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	10454	0	10967	0	10548	0	9825	0	10021	0	10115	0	9914	0
	Haryana	9571	0	9845	0	9881	0	9552	0	9642	0	9536	0	9132	0
	Rajasthan	9304	0	9651	0	10070	0	10058	0	10211	0	9911	0	9735	0
	Delhi	6153	0	6323	0	6251	0	6155	0	6134	0	5838	0	6018	0
	UP	21217	0	21176	0	19892	1730	21419	0	21403	0	20265	590	20254	0
	Uttarakhand	1994	0	1982	0	1933	0	1941	0	1950	0	1855	0	1783	0
	HP	1428	0	1412	0	1456	0	1409	0	1452	0	1464	0	1299	15
	J&K	1993	498	2087	522	1972	493	1935	484	2062	516	2104	526	1974	493
Chandigarh	322	0	331	0	298	0	269	0	301	0	283	0	278	0	
WR	Chhattisgarh	3841	0	3727	0	3817	0	3938	37	3760	0	3649	0	3386	0
	Gujarat	12795	0	13228	0	13327	0	13107	0	13257	0	13454	0	12368	0
	MP	8415	0	8430	0	8374	0	8728	0	8849	0	8677	0	8141	0
	Maharashtra	16614	0	18190	0	18578	0	18309	0	18467	0	17807	0	17237	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	269	0	325	0	329	0	323	0	336	0	336	0	302	0
	DNH	741	0	790	0	797	0	790	0	784	0	793	0	780	0
	Essar steel	5656	0	344	0	312	0	281	0	338	0	318	0	385	0
SR	Andhra Pradesh	7085	0	7005	0	7002	0	7155	6	7465	0	7340	0	7386	0
	Telangana	7636	0	8303	0	8351	0	9308	0	9402	0	9044	0	8835	0
	Karnataka	9258	0	9540	0	8790	0	8654	0	9781	0	9303	0	8473	0
	Kerala	3233	0	3345	0	3352	0	3279	0	3405	0	3352	0	3140	0
	Tamil Nadu	11974	0	13287	0	13887	0	14102	0	14258	0	13793	0	13017	0
	Pondy	327	0	387	0	381	0	381	0	380	0	389	0	355	0
ER	Bihar	5790	0	5972	0	5765	0	5747	0	5774	0	5674	0	5605	0
	DVC	2967	0	2912	0	2838	0	2776	0	2836	0	2885	0	2818	0
	Jharkhand	1259	0	1286	0	1134	0	1287	0	1146	0	1135	0	1285	0
	Odisha	4425	0	4439	0	4560	0	4615	0	4338	0	4404	0	4309	0
	West Bengal	8453	0	8331	0	8455	0	8763	0	9231	0	8274	0	7659	0
	Sikkim	86	0	85	0	94	0	96	0	94	0	100	0	77	0
NER	Arunachal Pradesh	126	2	128	2	128	2	119	1	128	2	128	6	126	5
	Assam	1822	105	1894	92	1906	98	1883	92	1899	134	1876	68	1756	59
	Manipur	156	3	170	2	169	4	166	3	182	1	177	5	172	4
	Meghalaya	302	0	298	0	298	0	314	0	297	0	320	8	295	2
	Mizoram	98	1	96	1	91	1	92	1	89	1	89	4	78	3
	Nagaland	133	1	129	3	125	2	170	2	145	2	138	6	139	5
	Tripura	291	5	280	18	297	3	296	3	288	3	295	15	296	12

6. Energy Consumption in States (MUs)

Region	States	02-09-2019	03-09-2019	04-09-2019	05-09-2019	06-09-2019	07-09-2019	08-09-2019
NR	Punjab	235.3	242.9	246.2	214.3	219.2	228.4	224.1
	Haryana	204.6	215.7	217.8	208.0	209.3	209.1	198.2
	Rajasthan	203.2	212.6	225.5	225.7	228.7	224.7	219.8
	Delhi	122.8	129.2	130.3	128.7	128.5	122.2	116.7
	UP	425.6	434.0	414.1	439.6	435.0	430.1	423.8
	Uttarakhand	41.1	43.9	41.1	42.8	42.7	39.6	38.0
	HP	29.5	30.7	30.7	29.9	30.8	31.1	28.2
	J&K	39.5	41.2	40.3	38.6	39.8	40.2	39.3
	Chandigarh	6.2	6.5	6.1	5.7	5.9	5.9	5.5
WR	Chhattisgarh	90.0	89.7	84.9	88.5	86.8	85.2	74.4
	Gujarat	289.7	297.9	296.8	288.7	292.4	294.3	276.3
	MP	186.4	185.2	186.3	188.2	195.1	192.3	180.0
	Maharashtra	369.2	395.5	395.5	399.6	397.8	390.6	381.2
	Goa	8.8	8.8	8.8	10.2	10.2	10.2	10.2
	DD	6.0	6.4	6.6	6.9	7.5	7.5	6.9
	DNH	17.4	18.3	18.7	18.5	18.6	18.6	18.2
	Essar steel	5.7	5.9	5.7	5.6	6.7	5.8	6.6
SR	Andhra Pradesh	157.2	153.6	159.4	163.6	167.9	169.6	169.7
	Telangana	161.9	168.5	175.3	190.3	193.7	188.3	188.1
	Karnataka	171.9	174.9	172.6	170.5	179.2	177.7	167.9
	Kerala	64.9	65.9	65.2	65.1	65.5	67.0	62.6
	Tamil Nadu	276.8	286.3	291.3	296.9	303.7	307.3	290.2
	Pondy	7.0	7.1	7.1	7.9	7.9	8.2	7.7
ER	Bihar	121.4	117.0	112.6	115.3	116.8	115.6	112.6
	DVC	62.3	62.8	61.4	60.2	60.9	61.5	62.6
	Jharkhand	24.2	25.4	25.1	25.4	25.9	24.5	23.2
	Odisha	94.8	91.1	93.6	93.6	90.3	89.4	91.4
	West Bengal	171.8	178.4	172.2	171.8	170.8	168.4	153.1
	Sikkim	0.9	0.9	1.0	1.0	0.9	1.2	0.8
NER	Arunachal Pradesh	2.5	2.4	2.2	2.4	2.3	2.3	2.1
	Assam	35.5	36.1	34.0	33.3	35.2	36.0	33.3
	Manipur	2.4	2.5	2.6	2.5	2.5	2.6	2.5
	Meghalaya	5.0	4.9	5.1	5.3	5.3	5.3	5.3
	Mizoram	1.7	1.7	1.8	1.9	1.9	1.9	1.8
	Nagaland	2.0	2.4	2.2	2.5	2.3	2.3	2.2
	Tripura	4.7	5.0	5.2	5.2	5.2	4.9	4.8
ALL INDIA TOTAL		3649.7	3751.5	3745.2	3754.0	3793.1	3769.5	3629.0

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

साप्ताहिक रिपोर्ट (02 सितम्बर से 08 सितम्बर 2019 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	02-09-2019	03-09-2019	04-09-2019	05-09-2019	06-09-2019	07-09-2019	08-09-2019
East to North	-62.3	-80.9	-83.1	-89.6	-87.6	-79.6	-78.3
East to West	68.1	54.5	52.4	45.6	38.8	50.2	55.6
East to South	-38.4	-26.7	-36.3	-29.2	-29.3	-31.3	-33.4
East to North-East	-30.1	-27.3	-27.0	-23.4	-22.6	-19.9	-19.8
North-East to North	-9.5	-14.7	-13.9	-13.2	-12.2	-12.1	-12.2
West to North	-173.1	-200.9	-211.1	-193.0	-195.7	-184.4	-184.2
West to South	4.8	15.9	19.6	27.1	23.4	6.8	3.3

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

साप्ताहिक रिपोर्ट (02 सितम्बर से 08 सितम्बर 2019 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)
02-09-2019	41.7	1737	-5.5	-387	-229	-25.9	-1083	-1080
03-09-2019	41.9	1747	-5.7	-416	-238	-25.9	-1118	-1079
04-09-2019	42.5	1770	-6.3	-382	-264	-25.8	-1119	-1076
05-09-2019	44.2	1841	-6.1	-372	-252	-25.9	-1115	-1081
06-09-2019	42.1	1752	-5.7	-374	-235	-25.7	-1099	-1072
07-09-2019	40.4	1685	-5.4	-429	-224	-25.8	-1093	-1074
08-09-2019	40.0	1666	-5.4	-381	-225	-25.4	-1094	-1057
कुल Total	292.7		-40.0			-180.4		

8. Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	WR	400KV Charanka Bus 2 400KV APL – Charanka 400KV Kansari – Charanka ckt 2 400KV Veluda – Charanka ckt 2 400KV Bus Reactor at Charanka 400/220KV ICT 2 at Charanka	GEB	08-Sep-19	11:02	08-Sep-19	14:08	03:06	As reported by SLDC Gujarat at 11:02hrs/08.09.2019, due to LBB operation on Bus-2 at Charanka, the feeders Veluda-2, Adani, Kansari-2, ICT-2 and 125MVAR B/R tripped. Charanka-Adani and CharankaKansari ckt 2 tripped from Charanka end only and there was no tripping at remote end.	Nil	Nil	GI-II
2	NER	132 KV Balipara - Khupi	DOP,Arunchal pradesh	08-Sep-19	12:18	08-Sep-19	12:54	00:36	At 12:18 Hrs of 08/09/2019, 132 KV Balipara - Khupi TL tripped on heavy lightning (Balipara: R-B ph, 35 km. Khupi: U/V) resulting in blackout of 132 KV Khupi S/C. Due to this incident Khupi area of Arunachal Pradesh state was affected. Load loss of around 23 MW is observed. There was no generation loss.	Nil	23	GD-1
3	WR	400/220KV Jabapur ICT-II 220KV Sukha (Jabalpur MP)Jabalpur PG Ckt-II 220KV Sukha (Jabalpur MP)Narsingpur Ckt-II 220KV Sukha (Jabalpur MP)Panagar Ckt-II 220KV Sukha (Jabalpur MP) Bus-II 220KV Sukha (Jabalpur MP) Transfer Bus	MPPCL/PG	07-Sep-19	16:15	07-Sep-19	16:45	00:30	As reported by SLDC Madhya Pradesh at 16:15 hrs/07.09.2019 400/220KV ICT-2, 220KV Narsingpur-II, Jabalpur PG-II, Panagar-II, 220KV Bus-II and Transfer Bus tripped at 220KV Sukha (Jabalpur MP) due to LBB operation, resulting in load loss of around 80 MW at Sukha (Jabalpur MP)	Nil	80	GD-1
4	ER	500 MVA ICT-I at Maithon 500 MVA ICT-II at Maithon 220KV Maithon-Dumka D/C 220KV Maithon-Kalyaneshwari D/C 220KV Maithon-Dhanbad D/C	DVC/ISEB	07-Sep-19	17:32	07-Sep-19	17:53	00:21	At 17:32 Hrs of 07.09.19, 500 MVA, 400/220KV ICT-I & ICT-II at Maithon tripped leading to total power interruption at 220KV Bus. Following lines tripped 220KV Maithon-Dumka D/C (tripped from Maithon end) 220KV Maithon-Kalyaneshwari D/C (tripped from Kalyaneshwari end) 220KV Maithon-Dhanbad D/C (tripped from Dhanbad end) 220KV loads of Dhanbad and Kalyaneshwari(DVC) emanating from said bus got power from alternative sources. Only total power interrupted at radiately fed 220KV Dumka	Nil	180	GD-1
5	WR	220KV Kadana-Godhra S/C 220KV Kadana-Modasa-1 Kadana units 1,2,3 &4	GEB	06-Sep-19	14:44	06-Sep-19	16:07	01:23	14.44hrs 220KV Kadana- Godhra S/c tripped on B-phase fault (FC-B-128KA). Kadana was connected with Modasa S/S only with 220KV Kadana-Modasa-1 (the load at 66KV Modasa understood to be catered radially from Modasa 220KV only). 220KV Kadana-Modasa-1 tripped and resulted in tripping of all 4 running units at Kadana (4x630MW) causing generation loss of 200MW. At Modasa also load was interrupted of about 15MW.	200	15	GD-1
6	ER	132 KV Banka(PG)-Banka D/C	BSPTCL	06-Sep-19	18:39	06-Sep-19	19:02	00:23	At 18:39 Hrs of 06.09.19, 132 KV Banka(PG)-Banka D/C tripped on Y-N leading to a load loss of 60 MW in Banka and some parts of Jamui	Nil	60	GD-1
7	ER	400KV Barh-Mothari D/C	DMTCL/BSPTCL	04-Sep-19	04:36	04-Sep-19	Still out		At 4:36 Hrs of 04.09.19, 400KV Barh-Mothari D/C tripped leading to a load loss of 240 MW in Bettia (traction), Ramnagar, Ravaul, Mothari, Parwanipur load of Nepal also interrupted. TOWER COLLAPSE REPORTED AT TL 26 U - 10KM FROM MOTHARI DUE TO SOIL EROSION AND SHIFTING OF RIVER COURSE OF GANDAK.	Nil	240	GD-1
8	ER	132 KV Banka(PG)-Sultanganj D/c	ISEB	03-Sep-19	20:20	03-Sep-19	20:44	00:24	At 20:20 hrs Hrs of 03.09.19, 132 KV Banka(PG)-Sultanganj D/c tripped on O/c leading to a load loss of 150 MW in Sultanganj,Goradh,Tarapur,New Jamalpur.	Nil	150	GD-1