



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: 30th Sept 2019

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, उ. 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, उ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह, लापालंग, 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 16th Sep-2019 to 22nd Sep-2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 16 सितम्बर-2019 से 22 सितम्बर-2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 16th Sep-2019 to 22nd Sept-2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

JGM (SO)

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

साप्ताहिक रिपोर्ट (16 सितम्बर से 22 सितम्बर 2019 तक)

रिपोर्टिंग तिथि:- 30-Sep-19

(आई० ई० जॉ० सी० को धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति आर अधिकतम कमी (मि०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति (मि०वा०)	अधिकतम कमी (मि०वा०)	अधिकतम मांग आपूर्ति (मि०वा०)	अधिकतम कमी (मि०वा०)	अधिकतम मांग आपूर्ति (मि०वा०)	अधिकतम कमी (मि०वा०)	अधिकतम मांग आपूर्ति (मि०वा०)	अधिकतम कमी (मि०वा०)	अधिकतम मांग आपूर्ति (मि०वा०)	अधिकतम कमी (मि०वा०)	अधिकतम मांग आपूर्ति (मि०वा०)	अधिकतम कमी (मि०वा०)
16-09-2019	58896	2826	45195		39574		22771		2729	184	169165	3010
17-09-2019	58759	2346	44408		39308		21679		2759	115	166913	2461
18-09-2019	58521	1136	44953		39955		21509	150	2766	80	167704	1366
19-09-2019	56749	1662	45099		38283		22766	100	2917	90	165814	1852
20-09-2019	56477	2268	45505		39016		22635	101	2917	153	166550	2522
21-09-2019	54594	2265	45517		38700	70	21696	55	2864	139	163371	2529
22-09-2019	51633	541	43492		36783		20900		2487	234	155295	775

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)
16-09-2019	1341	327	1022	126	913	169	479	144	51	27	3806	794
17-09-2019	1328	322	1024	116	888	149	459	135	50	27	3749	750
18-09-2019	1287	306	1019	118	856	156	437	127	52	26	3651	734
19-09-2019	1245	296	1017	124	846	154	469	140	56	24	3633	738
20-09-2019	1276	296	1020	115	860	155	485	140	55	20	3695	727
21-09-2019	1269	292	1022	110	867	156	460	135	55	21	3674	714
22-09-2019	1125	268	989	117	834	155	434	134	50	21	3432	695

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
16-09-2019	6.46	6.90	80.58	12.52	50.00	0.032
17-09-2019	2.63	2.63	75.69	21.68	50.02	0.025
18-09-2019	6.03	8.63	76.67	14.70	49.99	0.051
19-09-2019	2.43	3.26	81.76	14.98	50.01	0.027
20-09-2019	8.46	9.27	82.36	8.37	49.98	0.037
21-09-2019	5.01	6.85	78.81	14.34	49.99	0.042
22-09-2019	2.59	2.66	74.75	22.59	50.02	0.028

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

NIL

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

Region	Date	16-09-2019		17-09-2019		18-09-2019		19-09-2019		20-09-2019		21-09-2019		22-09-2019	
	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	10814	0	10776	0	10612	0	9875	0	10168	0	10163	0	9530	0
	Haryana	9925	0	9614	0	9543	0	9151	0	9443	0	9191	0	8136	0
	Rajasthan	10995	0	10977	0	11097	0	10827	0	10630	0	10729	0	9779	0
	Delhi	6155	0	6027	0	5829	0	5526	0	5365	0	5244	0	4623	0
	UP	19141	1410	18980	0	17764	0	17849	0	18375	900	18337	0	17201	0
	Uttarakhand	1973	0	1841	0	1871	0	1915	0	1947	0	1963	0	1631	0
	HP	1423	0	1394	0	1517	0	1467	0	1498	0	1458	0	1340	0
	J&K	2249	562	2226	556	2928	586	2155	539	1927	482	2018	505	2163	541
Chandigarh	328	0	297	0	279	0	259	0	262	0	245	0	245	0	
WR	Chhattisgarh	4240	0	3970	0	4023	0	4232	0	4366	0	4360	0	4385	0
	Gujarat	13692	0	13896	0	14370	0	14427	0	14490	0	14085	0	12883	0
	MP	8107	0	7743	0	8213	0	8141	0	8047	0	7915	0	7778	0
	Maharashtra	18579	0	18793	0	18468	0	17627	0	17897	0	18218	0	17598	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	321	0	317	0	337	0	305	0	333	0	322	0	303	0
	DNH	797	0	771	0	811	0	783	0	777	0	792	0	765	0
	Essar steel	315	0	299	0	363	0	267	0	327	0	5808	0	314	0
SR	Andhra Pradesh	7768	0	7360	0	7445	0	7289	0	7314	0	7311	0	7128	0
	Telangana	9384	0	9526	0	8043	0	7869	0	7807	0	7959	0	7646	0
	Karnataka	10069	0	9084	0	9343	0	8714	0	9106	0	9289	0	8258	0
	Kerala	3457	0	3455	0	3398	0	3419	0	3439	0	3472	0	3315	0
	Tamil Nadu	13019	0	12874	0	13510	0	13540	0	13857	0	13250	0	11809	0
	Pondy	351	0	330	0	371	0	352	0	355	0	364	0	331	0
ER	Bihar	5512	0	5125	0	5039	0	5372	0	5540	0	5242	0	5099	0
	DVC	2998	0	2820	0	2816	0	2900	0	2971	0	2968	0	3017	0
	Jharkhand	1190	0	1313	0	1220	0	1302	0	1255	0	1211	0	1233	0
	Odisha	4946	0	4842	0	5147	0	5136	0	4740	0	4542	0	4297	0
	West Bengal	8680	0	8463	0	8214	0	8929	0	8913	0	8606	0	8022	0
	Sikkim	100	0	90	0	100	0	98	0	88	0	93	0	80	0
NER	Arunachal Pradesh	129	7	130	1	129	1	128	2	125	2	118	1	105	2
	Assam	1722	64	1794	110	1788	88	1917	75	1890	86	1853	80	1646	169
	Manipur	159	8	144	2	165	1	149	1	161	3	154	1	140	4
	Meghalaya	310	4	313	0	308	0	302	0	368	0	352	0	311	0
	Mizoram	81	6	69	1	91	1	89	1	92	1	85	2	82	2
	Nagaland	127	7	129	1	133	1	132	2	129	2	138	1	121	2
	Tripura	297	18	295	1	289	2	298	1	340	10	295	2	221	10

6. Energy Consumption in States (MUs)

Region	States	16-09-2019	17-09-2019	18-09-2019	19-09-2019	20-09-2019	21-09-2019	22-09-2019
NR	Punjab	238.1	239.6	243.0	224.0	225.2	227.9	216.8
	Haryana	212.7	209.7	208.4	200.4	200.8	196.3	169.5
	Rajasthan	243.9	245.4	245.5	240.5	242.4	237.8	222.2
	Delhi	124.6	125.1	121.0	113.9	113.4	108.1	94.0
	UP	405.3	393.2	351.9	350.6	375.3	378.5	316.7
	Uttarakhand	41.0	38.2	37.7	40.2	40.8	41.0	33.6
	HP	29.6	30.0	31.5	30.5	29.8	31.0	27.0
	J&K	39.7	41.2	42.2	39.1	42.7	43.0	40.0
	Chandigarh	6.0	5.9	5.8	5.4	5.2	5.2	5.2
WR	Chhattisgarh	97.0	89.8	90.6	95.8	100.0	101.4	103.6
	Gujarat	301.1	311.6	316.1	320.2	321.0	314.9	294.1
	MP	172.7	167.7	169.8	174.1	173.2	172.9	162.8
	Maharashtra	407.9	412.2	399.2	386.2	383.2	389.6	386.6
	Goa	11.8	11.3	11.5	11.5	11.5	11.8	11.0
	DD	7.1	7.2	7.4	6.2	7.4	7.4	7.0
	DNH	18.6	18.1	18.7	18.4	18.1	18.4	18.1
	Essar steel	5.5	5.7	5.6	5.0	6.0	5.8	6.1
SR	Andhra Pradesh	172.8	162.7	159.2	153.8	152.4	159.3	156.6
	Telangana	199.8	194.5	161.5	167.1	165.1	167.0	169.4
	Karnataka	188.3	179.8	177.7	171.9	177.6	180.1	169.8
	Kerala	67.7	69.2	68.4	68.6	70.0	70.3	66.3
	Tamil Nadu	276.8	274.6	282.1	277.0	287.2	282.9	264.6
	Pondy	7.4	6.9	7.5	7.4	7.4	7.5	7.0
ER	Bihar	108.4	93.4	79.2	96.1	104.5	98.8	93.1
	DVC	64.1	61.8	61.1	63.1	64.4	65.3	63.9
	Jharkhand	25.1	25.1	25.4	26.2	26.6	25.7	26.4
	Odisha	105.3	103.0	105.7	109.6	105.0	93.3	86.8
	West Bengal	175.3	174.9	164.1	172.8	183.4	176.2	162.8
	Sikkim	1.0	1.1	1.2	1.1	1.0	1.1	0.8
NER	Arunachal Pradesh	2.2	2.1	2.3	2.3	2.2	2.1	2.0
	Assam	31.6	31.4	33.1	36.1	35.5	36.2	31.4
	Manipur	2.6	2.4	2.4	2.4	2.5	2.5	2.3
	Meghalaya	5.4	5.3	5.3	5.5	5.7	5.8	5.9
	Mizoram	1.6	1.6	1.6	1.7	1.8	1.6	1.7
	Nagaland	2.1	2.1	2.3	2.4	2.2	2.2	2.1
	Tripura	5.9	5.3	5.2	5.8	5.0	5.1	4.8
ALL INDIA TOTAL		3805.8	3748.9	3650.9	3632.8	3695.5	3673.8	3431.8

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

साप्ताहिक रिपोर्ट (16 सितम्बर से 22 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	16-09-2019	17-09-2019	18-09-2019	19-09-2019	20-09-2019	21-09-2019	22-09-2019
East to North	-99.0	-104.9	-180.0	-89.9	-86.6	-93.1	-87.9
East to West	41.6	36.8	36.7	29.7	41.8	31.7	35.1
East to South	-23.3	-29.7	-38.9	-30.9	-26.2	-30.0	-44.1
East to North-East	-1.1	-4.6	-6.0	-8.1	-15.2	-14.1	-11.0
North-East to North	-9.2	-14.2	-14.5	-12.6	-14.5	-14.6	-15.9
West to North	-203.4	-187.2	-162.9	-161.6	-196.7	-191.0	-151.9
West to South	1.0	-13.0	-15.4	-6.5	6.7	7.4	-10.9

**भूटान , नेपाल एव बाग्लादेश के साथ अतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL
EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH**

साप्ताहिक रिपोर्ट (16 सितम्बर से 22 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			बाग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
16-09-2019	43.7	1820	-5.3	-342	-219	-25.7	-1096	-1073
17-09-2019	43.1	1795	-4.6	-215	-191	-25.9	-1106	-1080
18-09-2019	45.2	1883	-3.9	-301	-161	-25.9	-1111	-1079
19-09-2019	44.1	1838	-3.0	-264	-125	-25.6	-1116	-1068
20-09-2019	42.3	1761	-5.9	-344	-247	-25.6	-1109	-1068
21-09-2019	45.3	1885	-4.3	-314	-177	-25.8	-1125	-1076
22-09-2019	45.2	1885	-5.2	-332	-218	-26.1	-1159	-1089
कुल Total	308.8		-32.1			-180.8		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revised		Outage Duration Time	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	WR	400/220kV 500 MVA ICT-5 400kV Padghe-Boisar line 220kV Padghe Bus-2 220/100kV 200 MVA ICT-1 220/100kV 200 MVA ICT-3 220kV Padghe-Jambhul-2 220kV Padghe-Jinda line	MSETCL	18-Sep-19	11:50	18-Sep-19	13:19	01:29	As reported by SLDC Maharashtra at 11:50hrs/18.09.2019, 220kV Bus-2, Half section of Bus-1 along with 400/220kV ICT-5, 400kV Boisar line, 220kV Jambhul Ckt-2, 220kV Jinda line, 220/100kV ICT-1 and ICT-3 tripped. Due to Busbar protection operation at Padghe Substation, where sparking observed at 220kV Side of ICT-5 before tripping.	0	100	GD-1
2	WR	400kV Koyna Stage IV-Lonikhand 400 KV Koyna StageV- Jejuri S/C 400kV Koyna Stage IV-New Koyna-I 400kV Koyna Stage IV-New Koyna-II 400kV New Koyna-Dabhol-I 400kV New Koyna-Dabhol-II 400/220kV 315 MVA ICT-1 at New Koyna 400/220kV 315 MVA ICT-2 at New Koyna Koyna Stage IV unit-2 Koyna Stage IV unit-3 Koyna Stage IV unit-4	MSEB	21-Sep-19	18:29	21-Sep-19	18:53	00:24	As reported by SLDC Kalka, at 18:29hrs while taking 400kV Koyna Stage IV- Lonikhand into service(which was opened in the night hours to control high voltage) all feeders from Stage IV tripped and also two ICTs at New Koyna tripped on back up protection. 400kV New Koyna-Dabhol-1 & 2 also tripped on Z-3 protection only at Dabhol end. The running units 2,3 & 4 at Koyna Stage-IV tripped resulting in about 600MW generation loss	600	0	GD-1
3	NER	132 KV Dimapur-Bokajan (Assam) 132 KV Golaghat-Bokajan (Assam)	AEGCL	21-Sep-19	22:53	21-Sep-19	23:03	00:10	At 22:53 Hrs of 21/09/2019, 132 KV Dimapur-Bokajan (Dimapur:Yph.-Z-1, 2.9 KM:Bokajan : E/F) & 132 KV Golaghat-Bokajan (Dimapur: E/F, Bokajan : E/F) TL tripped resulting in blackout of 132 KV Bokajan S/S. Due to this incident Bokajan area of Assam was affected. Load loss of around 20 MW was observed. No generation loss.	0	20	GD-1
4	WR	400/220kV 315 MVA ICT-1 at Astha 400/220kV 315 MVA ICT-2 at Astha 220kV Astha Bus-1 220kV Astha Bus-2 220kV Astha-Maghyachap S/C 220kV Astha-Bhopal S/C 220kV Astha-Dewas-1 220kV Astha-Dewas-2 220kV Astha-Indore(Jetpura)-1 220kV Astha-Indore(Jetpura)-2 220kV Astha-Shajapur-1 220kV Astha-Shajapur-2 220/132kV 160 MVA ICT-1 220/132kV 160 MVA ICT-2 220/132kV 100MVA Transformer	MPPTCL	21-Sep-19	14:58	21-Sep-19	15:51	00:53	As reported by SLDC, Madhya Pradesh, at 14:58hrs R-phase PT of 220kV Main Bus-1 at Astha S/S burst resulting in tripping of both the buses at 220kV and all associated feeders	0	20	GD-1
5	WR	400/220kV 315 MVA ICT-1 at Julwania 220kV Julwania(400/220kV) Bus-1 220kV Julwania(400/220kV)-Julwania Interconnector-1 220kV Julwania(400/220kV)-Nirmani S/C 220kV Julwania(400/220kV) - Semdwa-1 220kV Julwania(400/220kV) - Semdwa-2 220/132kV 160 MVA ICT-1 at Julwania(400/220kV) S/S	MPPTCL	22-Sep-19	18:28	22-Sep-19	19:55	01:27	As reported by SLDC, Madhya Pradesh, at 18:28hrs B-phase CT of 220kV Julwania(400/220kV)-Julwania(220/132kV) interconnector-1 at Julwania(400/220kV) S/S burst resulting in tripping of the bus-1 at 220kV and all associated feeders. 220kV Julwania(400/220kV)-Onkashwar feeder had been out prior to the event on Voltage control.	0	0	GI-1
6	ER	400 KV Haldia-Subhasgram II	WBSETCL	21-Sep-19	12:43	21-Sep-19	13:04	00:21	At 12:43 Hrs, 400 KV Haldia-Subhasgram II tripped due to R_Y_N fault (400 KV Haldia-Subhasgram I under shutdown). Consequently, both running units(2*300 MW) at HEL tripped due to loss of evacuation path. Generation loss of 536 MW occurred.	536	0	GD-1