



**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: 20th 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, 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 09th Sep-2019 to 15th Sep-2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 09 सितम्बर-2019 से 15 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 09th Sep-2019 to 15th Sept-2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

JGM (SO)

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

साप्ताहिक रिपोर्ट (09 सितम्बर से 15 सितम्बर 2019 तक)

रिपोर्टिंग तिथि:- 20-Sep-19

(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	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)
09-09-2019	59790	1181	43711		42190		22631	500	2770	160	171092	1841
10-09-2019	60284	1273	43010		41016		20605		2791	182	167706	1455
11-09-2019	60701	4030	43327		40247	49	22369		2911	112	169555	4191
12-09-2019	60384	1592	39703		39181		21863	92	2695	148	163826	1832
13-09-2019	60107	1680	43067		40188		22434		2667	153	168463	1833
14-09-2019	59141	1388	43494		39879		22414		2691	186	167619	1574
15-09-2019	56669	2340	42455		37711		22327		2650	209	161812	2549

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)
09-09-2019	1352	363	976	114	963	176	463	143	53	20	3807	816
10-09-2019	1407	367	982	109	988	178	463	137	54	23	3893	814
11-09-2019	1416	355	986	106	963	170	473	139	54	23	3892	792
12-09-2019	1429	355	941	100	935	169	452	143	53	27	3810	795
13-09-2019	1378	345	957	106	941	171	450	144	51	24	3777	790
14-09-2019	1357	332	974	104	935	171	461	143	51	24	3778	773
15-09-2019	1308	328	965	113	882	163	466	145	50	23	3672	773

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० इ० गिड	ऑ० इ० गिड	ऑ० इ० गिड	ऑ० इ० गिड	ऑ० इ० गिड	ऑ० इ० गिड
09-09-2019	12.86	15.28	77.87	6.85	49.97	0.059
10-09-2019	7.37	8.01	77.91	14.09	50.00	0.032
11-09-2019	8.30	9.03	78.22	12.75	49.99	0.037
12-09-2019	5.36	5.37	80.88	13.75	50.00	0.029
13-09-2019	4.10	4.16	76.15	19.70	50.01	0.029
14-09-2019	1.56	1.56	79.50	18.94	50.01	0.023
15-09-2019	3.61	3.61	78.82	17.57	50.01	0.027

*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	09-09-2019		10-09-2019		11-09-2019		12-09-2019		13-09-2019		14-09-2019		15-09-2019	
	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	10712	0	11045	0	11147	0	11564	0	11188	0	11491	0	11020	0
	Haryana	9924	0	10090	0	10360	0	10360	0	10294	0	9804	0	9412	0
	Rajasthan	10504	0	11035	0	11444	0	11275	0	10937	0	10687	0	10476	0
	Delhi	6231	0	6348	0	6575	0	6502	0	6334	0	6157	0	5795	0
	UP	20146	0	19965	1930	20240	220	19847	710	18727	0	18817	0	19252	880
	Uttarakhand	1965	0	1997	0	2048	0	1938	0	1981	0	1905	0	1802	0
	HP	1434	0	1502	2	1503	0	1479	12	1475	0	1441	0	1345	0
	J&K	2051	513	2210	553	2166	541	2067	517	2120	530	2100	525	2141	535
Chandigarh	321	0	320	0	348	0	337	0	326	0	284	0	275	0	
WR	Chhattisgarh	3603	0	3816	0	3891	0	3733	0	3869	0	3987	0	4159	0
	Gujarat	12960	0	12375	0	12358	0	11939	0	12930	0	12884	0	12361	0
	MP	8174	0	8149	0	8177	0	7657	0	7696	0	7696	0	7733	0
	Maharashtra	18265	0	18130	0	18313	0	17711	0	17701	0	17718	0	17012	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	323	0	332	0	330	0	324	0	330	0	323	0	294	0
	DNH	800	0	794	0	800	0	782	0	783	0	787	0	765	0
	Essar steel	321	0	308	0	271	0	272	0	310	0	342	0	320	0
SR	Andhra Pradesh	8028	0	8672	0	8569	0	8255	0	8230	0	8401	0	7753	0
	Telangana	9271	0	9683	0	9749	0	9312	0	9431	0	9397	0	8685	0
	Karnataka	9657	0	10466	0	10184	0	10392	0	10212	0	9981	0	10095	0
	Kerala	3282	0	3188	0	2812	-50	3186	0	3180	0	3273	0	3180	0
	Tamil Nadu	15133	0	15017	0	13680	0	13082	0	13262	0	13237	0	11955	0
	Pondy	401	0	407	0	390	0	346	0	370	0	371	-1	327	0
ER	Bihar	5656	0	5701	0	5564	0	5542	0	5490	0	5372	0	5644	0
	DVC	2934	0	2861	0	2965	0	2925	0	2909	0	2922	0	2918	0
	Jharkhand	1285	0	1000	0	1194	0	1194	0	1274	0	1232	0	1245	0
	Odisha	4632	0	4696	0	4605	0	4636	0	4787	0	4934	0	5094	0
	West Bengal	8699	0	8560	0	8707	0	8248	0	8582	0	8531	0	8356	0
	Sikkim	100	0	97	0	97	0	87	0	95	0	95	0	75	0
NER	Arunachal Pradesh	113	1	114	1	128	1	117	2	116	1	118	1	109	8
	Assam	1780	110	1814	130	1912	88	1796	74	1719	133	1750	147	1673	87
	Manipur	160	2	171	2	169	2	161	2	163	2	166	1	162	11
	Meghalaya	307	0	310	0	321	0	327	0	325	0	327	0	307	9
	Mizoram	92	1	94	1	88	1	86	1	76	1	92	3	81	7
	Nagaland	136	2	132	1	126	2	119	1	123	2	137	1	119	7
	Tripura	276	4	285	3	278	1	303	1	302	3	300	2	298	19

6. Energy Consumption in States (MUs)

Region	States	09-09-2019	10-09-2019	11-09-2019	12-09-2019	13-09-2019	14-09-2019	15-09-2019
NR	Punjab	237.2	251.9	255.0	264.6	259.7	259.0	248.8
	Haryana	214.1	220.1	223.2	222.6	224.4	218.5	200.9
	Rajasthan	232.7	246.5	253.5	253.0	247.4	243.3	237.1
	Delhi	128.5	126.9	134.9	137.2	132.6	125.3	116.2
	UP	421.3	437.4	424.0	426.5	393.0	390.4	393.1
	Uttarakhand	42.0	43.3	44.3	42.1	42.9	41.3	38.5
	HP	29.9	31.6	31.6	31.7	30.6	31.0	28.7
	J&K	40.0	42.8	42.9	44.9	41.3	42.2	39.7
	Chandigarh	6.4	6.4	6.7	6.7	6.4	6.0	5.5
WR	Chhattisgarh	78.9	83.8	86.5	84.7	85.4	89.1	93.9
	Gujarat	284.7	278.2	277.2	267.2	282.3	287.7	280.1
	MP	174.7	180.4	179.5	167.9	162.6	162.8	166.2
	Maharashtra	395.1	395.6	400.3	377.8	383.5	390.7	382.4
	Goa	11.0	11.8	11.8	11.8	11.9	11.8	11.8
	DD	7.1	7.4	7.3	7.3	7.4	7.3	6.8
	DNH	18.6	18.7	18.7	18.5	18.4	18.4	18.2
	Essar steel	6.0	5.7	5.0	5.5	5.5	5.8	5.8
SR	Andhra Pradesh	181.9	186.9	186.6	183.0	184.5	180.5	175.6
	Telangana	200.5	205.9	206.8	199.1	199.1	199.8	189.3
	Karnataka	187.0	191.6	189.5	194.7	193.9	190.9	185.5
	Kerala	67.1	64.5	58.9	61.2	65.2	67.2	63.1
	Tamil Nadu	318.2	329.9	313.2	289.2	291.4	288.8	262.3
	Pondy	8.3	8.8	7.9	7.4	7.3	7.4	6.8
ER	Bihar	113.0	103.6	109.1	106.4	102.7	104.2	108.6
	DVC	61.0	61.1	64.4	62.2	61.3	63.5	63.1
	Jharkhand	25.3	23.6	25.5	23.4	24.9	25.8	26.2
	Odisha	95.7	99.2	98.5	96.5	98.9	100.1	102.8
	West Bengal	166.9	173.9	174.3	162.9	160.9	166.7	164.9
	Sikkim	1.0	1.1	1.0	1.0	0.9	1.0	0.7
NER	Arunachal Pradesh	2.0	2.3	2.2	2.1	2.2	2.2	2.1
	Assam	34.2	35.0	34.7	34.1	32.3	31.5	30.8
	Manipur	2.4	2.4	2.5	2.4	2.5	2.4	2.5
	Meghalaya	5.3	5.6	5.7	5.5	5.6	5.7	5.5
	Mizoram	1.7	1.8	1.7	1.8	1.2	1.8	1.7
	Nagaland	2.1	2.1	2.2	2.2	2.3	2.5	2.2
	Tripura	4.9	4.9	5.0	4.8	4.7	4.8	4.8
ALL INDIA TOTAL		3806.5	3892.9	3892.3	3809.7	3777.2	3777.5	3671.8

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

साप्ताहिक रिपोर्ट (09 सितम्बर से 15 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	09-09-2019	10-09-2019	11-09-2019	12-09-2019	13-09-2019	14-09-2019	15-09-2019
East to North	-90.2	-100.1	-92.8	-89.3	-72.8	-80.7	-79.7
East to West	59.6	56.5	52.7	42.6	46.2	44.2	47.7
East to South	-33.2	-43.6	-36.5	-24.2	-30.0	-35.5	-19.8
East to North-East	-20.5	-17.2	-18.3	19.1	-18.6	-14.5	-9.2
North-East to North	-13.4	-10.6	-11.3	-13.7	-14.1	-15.6	-15.1
West to North	-186.0	-178.0	-184.1	-205.3	-201.3	-202.9	-195.0
West to South	-4.2	-8.0	-3.5	-8.0	-18.5	-14.2	6.4

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

साप्ताहिक रिपोर्ट (09 सितम्बर से 15 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)
09-09-2019	41.9	1744	-6.3	-401	-262	-25.5	-1105	-1060
10-09-2019	34.2	1423	-6.5	-370	-273	-25.8	-1106	-1077
11-09-2019	33.7	1403	-6.9	-385	-290	-25.7	-1108	-1072
12-09-2019	40.9	1703	-6.4	-433	-266	-25.5	-1087	-1063
13-09-2019	41.3	1721	-5.5	-367	-230	-23.9	-1083	-995
14-09-2019	41.4	1725	-4.6	-194	-190	-21.9	-1106	-911
15-09-2019	41.4	1726	-5.3	-363	-222	-25.8	-1115	-1075
कुल Total	274.7		-41.6			-174.1		

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	NER	132 kV Balpara - Khupi	DOP Arunachal	09-Sep-19	12:02	09-Sep-19	12:43	00:41	At 12:02 Hrs, 132 kV Balpara - Khupi T/L tripped (Balpara: B-ph, 50.25 km; Khupi: UV) resulting in blackout of 132 kV Khupi S/S. Load loss of 18 MW reported. No generation loss	0	18	GD-1
2	NER	132 kV Ranganadi - Itanagar 132 kV Pare - Itanagar	DOP Arunachal	11-Sep-19	00:22	11-Sep-19	00:57	00:35	Itanagar area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ranganadi - Itanagar Line and 132 kV Pare - Itanagar Line. 132 kV Lekhi - Itanagar Line was kept open due to low CT ratio at Lekhi end. At 00:22 Hrs on 11.09.19, 132 kV Ranganadi - Itanagar Line and 132 kV Pare - Itanagar Line tripped. Due to tripping of these elements, Itanagar area of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	14	GD-1
3	NER	132 kV Badarpur - Kolasib 132 kV Aizawl - Kolasib	Dop Mizoram	13-Sep-19	02:52	13-Sep-19	03:07	00:15	Kolasib area of Mizoram Power System and Tutial Power Station were connected with rest of NER Grid through 132 kV Badarpur - Kolasib line and 132 kV Aizawl - Kolasib line. At 02:52 hrs on 13.09.19, 132 kV Badarpur - Kolasib line and 132 kV Aizawl - Kolasib line tripped. Due to tripping of these elements, Kolasib area of Mizoram Power System and Tutial Power Station were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area	59	4	GD-1
4	ER	400 KV Teesta V - Rangpo II 400KV Rangpo-Kishenganj 400/220 KV ICT 1 at Rangpo 400/220 KV ICT 2 at Rangpo 400/220 KV ICT 3 at Rangpo 400/220 KV ICT 4 at Rangpo 400/220 KV ICT 5 at Rangpo 400KV Bus-1 at Rangpo Units 1,2,3 at Teesta V Unit 1,2 at Sorthing Unit 1,2 at Tashding Unit 1,2 at Chuzachec	TUL	13-Sep-19	21:42	13-Sep-19	23:13	01:31	At 21:42 hrs, 400 KV Bus 1 at Rangpo became dead due to suspected LBB operation associated with 315 MVA 400/220 KV ICT 3 at Rangpo. 400 KV Rangpo is having double main bus scheme, and all elements except 400 KV Binaguri Rangpo II and 400 KV Dikchu Rangpo were on Bus 1 and tripped. Load loss was 30 MW in Gangtok, Generation loss 504 MW in Teesta V, 117 in Chuzachen, 105 MW in Tashding and 104 MW in Jomrang (net 630 MW)	830	30	GD-1
5	NER	132 kV Monarchak-Rokhia Monarchak GTG & STG	Neepeo	15-Sep-19	11:49	15-Sep-19	12:58	01:09	At 11:49hrs 132kV Monarchak-Rokhia tripped (132kV Monarchak-Udaipur was under planned outage) resulted generation loss of 48MW at Monarchak and 6 MW load loss in Rabindra nagar (Tripura). 132kV Monarchak-Rokhia restored at 12:58hrs	48	6	GD-1