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: 15th Nov 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., डोंगतिएह, 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 04th Nov-2019 to 10th Nov-2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 04 नवम्बर-2019 से 10 नवम्बर-2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक पर उप्लब्ध 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 04th Nov-2019 to 10th Nov-2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

GM (SO/II)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (04 नवम्बर से 10 नवम्बर 2019 तक) **रिपोर्टिंग तिथि:- 15-Nov-19**

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

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

क्षेत्र	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
दिनांक	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
04-11-2019	44188	566	44465		37837		19864		2451	69	148805	635
05-11-2019	43366	564	45008		38626		19444		2404	94	148848	658
06-11-2019	42092	509	45455		38818		18945		2452	55	147762	564
07-11-2019	41044	275	44573		38584		18158		2450	46	144809	321
08-11-2019	41751	375	44237		38398		18288		2354	39	145028	414
09-11-2019	43137	294	44864		37406		16734		2335	74	144476	368
10-11-2019	40302	481	43114		34692		17601		2184	97	137893	578

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)
04-11-2019	882	138	981	55	819	164	369	70	43	12	3093	438
05-11-2019	886	139	1001	51	852	151	365	67	44	12	3147	420
06-11-2019	891	134	1018	47	881	138	360	60	43	13	3193	392
07-11-2019	829	138	1002	39	877	116	350	58	43	12	3101	363
08-11-2019	838	137	988	34	870	122	345	54	43	12	3085	360
09-11-2019	853	139	998	38	848	153	323	54	43	12	3064	397
10-11-2019	820	127	985	34	808	131	326	58	39	12	2978	362

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड	ऑ० इं० ग्रिड
04-11-2019	9.25	9.64	73.14	17.22	49.99	0.040
05-11-2019	7.65	8.73	75.10	16.17	49.99	0.042
06-11-2019	2.13	2.13	74.61	23.26	50.01	0.028
07-11-2019	0.00	0.00	61.03	38.97	50.04	0.038
08-11-2019	2.00	2.00	70.56	27.44	50.02	0.027
09-11-2019	1.40	1.40	79.63	18.97	50.01	0.021
10-11-2019	1.76	1.76	78.18	20.06	50.01	0.024

***NEW & SR grid running in synchronisation.**

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	04-11-2019		05-11-2019		06-11-2019		07-11-2019		08-11-2019		09-11-2019		10-11-2019	
	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	5300	0	5141	0	5185	0	4669	0	5305	0	5136	0	4584	0
	Haryana	5925	0	5861	0	6004	0	5778	0	5857	0	5819	0	5058	0
	Rajasthan	10620	0	10864	0	11284	0	10053	0	10914	0	10957	0	10916	0
	Delhi	3512	0	3476	0	3560	0	3399	0	3393	0	3142	0	3083	0
	UP	15069	0	14547	0	14540	0	14367	0	14260	0	15271	0	14316	0
	Uttarakhand	1695	0	1738	0	1719	0	1752	0	1707	0	1694	0	1629	0
	HP	1471	0	1557	0	1566	0	1423	0	1451	0	1494	0	1378	0
	J&K	2336	584	2255	564	2038	509	1101	275	1090	192	1571	393	1925	481
	Chandigarh	191	0	189	0	190	0	187	0	188	0	179	0	163	0
WR	Chhattisgarh	3494	0	3520	0	3530	0	3533	0	3388	0	3296	0	3364	0
	Gujarat	13043	0	13039	0	13592	0	13195	0	13204	0	13664	0	13134	0
	MP	8972	0	9394	0	9771	0	10062	0	9318	0	9756	0	9931	0
	Maharashtra	18150	0	18637	0	18567	0	18486	0	17899	0	18251	0	17117	0
	Goa	541	0	541	0	541	0	541	0	541	0	541	0	541	0
	DD	302	0	321	0	327	0	323	0	331	0	327	0	293	0
	DNH	767	0	766	0	771	0	782	0	766	0	764	0	742	0
	Essar steel	323	0	359	0	336	0	6946	0	428	0	336	0	288	0
SR	Andhra Pradesh	7603	0	7709	0	7924	0	7942	0	7823	0	7740	0	7787	0
	Telangana	7460	0	7448	0	7867	0	7713	0	7673	0	7423	0	7235	0
	Karnataka	8115	0	8312	0	8809	0	8606	0	8507	0	8506	0	7699	0
	Kerala	3472	0	3548	0	3624	0	3645	0	3521	0	3362	0	3046	0
	Tamil Nadu	13611	0	14085	0	14123	0	13971	0	13922	0	13299	0	11720	0
	Pondy	356	0	360	0	374	0	358	0	382	0	367	0	335	0
ER	Bihar	4534	0	4362	0	4217	0	4351	0	4355	0	4451	0	4282	0
	DVC	2912	0	2897	0	2834	0	2960	0	2958	0	2928	0	2856	0
	Jharkhand	1295	0	1191	0	1187	0	1144	0	1261	0	1106	0	1118	0
	Odisha	4338	0	4082	0	3812	0	3584	0	3567	0	3269	0	3794	0
	West Bengal	7169	0	7263	0	7046	0	6781	0	6535	0	5244	0	5616	0
	Sikkim	95	0	100	0	101	0	100	0	100	0	100	0	88	0
NER	Arunachal Pradesh	110	1	115	1	111	1	111	2	113	2	114	2	106	6
	Assam	1552	50	1506	70	1490	26	1521	36	1523	26	1430	41	1283	57
	Manipur	156	1	151	1	157	2	158	3	155	3	161	3	172	2
	Meghalaya	315	0	356	0	332	0	334	0	335	0	353	0	334	3
	Mizoram	97	1	95	1	94	1	92	1	97	1	98	1	76	4
	Nagaland	126	1	121	1	122	2	118	2	127	2	122	2	101	1
	Tripura	245	1	253	1	250	0	244	2	227	4	220	4	228	13

6. Energy Consumption in States (MUs)

Region	States	04-11-2019	05-11-2019	06-11-2019	07-11-2019	08-11-2019	09-11-2019	10-11-2019
NR	Punjab	106.4	106.4	106.7	95.3	99.0	101.7	94.2
	Haryana	115.6	118.0	119.6	112.8	114.7	114.3	102.6
	Rajasthan	212.7	215.9	218.6	207.9	210.7	215.6	211.3
	Delhi	66.3	66.4	67.6	65.5	64.9	61.4	59.6
	UP	274.4	270.5	272.9	265.5	265.7	270.7	260.4
	Uttarakhand	32.6	34.4	34.2	34.8	34.0	34.5	31.5
	HP	26.4	27.2	27.9	26.5	27.2	27.4	25.9
	J&K	43.6	43.3	40.1	17.8	18.9	24.5	31.3
	Chandigarh	3.5	3.5	3.5	3.5	3.4	3.3	3.0
WR	Chhattisgarh	75.7	75.0	75.9	74.8	73.8	70.9	72.5
	Gujarat	284.8	289.3	293.8	285.2	285.4	292.8	287.8
	MP	189.7	196.9	203.4	199.3	196.2	202.3	204.4
	Maharashtra	388.4	395.1	400.2	397.7	387.1	389.0	378.3
	Goa	12.1	12.7	12.7	12.7	12.6	12.2	12.2
	DD	6.7	7.2	7.4	7.2	7.4	7.3	6.6
	DNH	17.7	17.6	18.0	18.1	17.9	17.9	17.5
	Essar steel	6.0	6.7	6.3	7.0	7.5	5.7	5.2
SR	Andhra Pradesh	164.0	167.9	173.5	173.5	171.0	164.9	165.1
	Telangana	156.4	159.5	162.4	159.2	161.8	157.3	155.8
	Karnataka	159.9	165.2	171.6	171.4	168.5	166.9	155.8
	Kerala	66.9	69.4	71.0	70.7	71.5	69.6	62.4
	Tamil Nadu	264.6	283.1	295.3	295.0	289.9	281.2	262.4
	Pondy	6.9	7.1	7.0	7.2	7.6	7.6	7.0
ER	Bihar	79.4	75.1	74.0	74.4	74.6	75.7	75.8
	DVC	60.7	61.1	61.4	60.7	62.1	62.3	62.7
	Jharkhand	23.6	24.0	24.0	23.7	23.9	23.4	23.4
	Odisha	78.9	75.9	74.4	71.2	66.3	60.4	72.0
	West Bengal	125.0	128.1	125.3	118.6	117.2	99.6	91.1
	Sikkim	1.0	1.2	1.3	1.1	1.3	1.3	1.0
NER	Arunachal Pradesh	2.1	2.0	2.2	2.0	2.1	2.0	2.0
	Assam	24.3	25.4	24.5	24.9	24.8	24.2	22.5
	Manipur	2.5	2.6	2.5	2.5	2.4	2.3	2.3
	Meghalaya	5.8	5.8	6.0	5.7	6.0	6.4	6.3
	Mizoram	1.6	1.6	1.7	1.7	2.0	2.1	1.6
	Nagaland	2.3	2.3	2.1	2.0	2.2	2.2	2.0
	Tripura	4.1	4.0	4.1	4.2	3.8	3.4	2.8
ALL INDIA TOTAL		**3092.8**	**3147.2**	**3192.8**	**3101.0**	**3085.1**	**3064.3**	**2978.1**

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (04 नवम्बर से 10 नवम्बर 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	04-11-2019	05-11-2019	06-11-2019	07-11-2019	08-11-2019	09-11-2019	10-11-2019
East to North	-56.3	-60.1	-70.9	-58.8	-56.1	-60.8	-59.7
East to West	18.3	13.5	16.2	23.9	24.0	26.6	25.2
East to South	-78.3	-81.0	-86.6	-89.0	-85.7	-87.8	-88.8
East to North-East	-2.7	0.5	-0.1	-1.9	-2.4	-7.5	3.0
North-East to North	-3.5	0.0	0.0	0.0	-0.7	-6.8	0.6
West to North	-130.1	-138.4	-134.9	-111.9	-106.4	-121.3	-116.9
West to South	-41.7	-40.3	-44.4	-60.4	-61.7	-49.9	-43.5

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

साप्ताहिक रिपोर्ट (04 नवम्बर से 10 नवम्बर 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)
04-11-2019	15.3	635	-0.4	-21	-17	-19.0	-851	-790
05-11-2019	17.2	718	-1.9	-162	-81	-18.7	-881	-779
06-11-2019	15.0	626	-2.2	-213	-91	-19.2	-1100	-798
07-11-2019	14.7	612	-1.2	-193	-52	-23.7	-1096	-988
08-11-2019	13.6	566	-0.3	-110	-12	-17.9	-903	-745
09-11-2019	12.9	537	-0.2	-101	-7	-13.8	-587	-575
10-11-2019	13.6	565	-0.4	-142	-16	-12.6	-546	-524
कुल Total	**102.2**		**-6.6**			**-124.8**		

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	NR	315MVA ICT-1,2,3 at Akal 500MVA ICT-4 at Akal 220kv Akal-Giral 220kv Akal-Mada 220kv Akal-Amarsagar 400KV Akal-Ramgarh ckt-2	RVPNL	01-Nov-19	11:16	01-Nov-19	12:13	00:57	As reported by SLDC Rajasthan, at 11:16hrs, jumper of R-phase of 220kv Giral line at Akal snapped & dropped at 220kv structure leading to tripping of all ICTs and associated below 220 kV lines at Akal S/S. Due to the tripping, appx. 1200MW Wind generation loss was reported at 400/220KV Akal S/S & at same time 400KV Akal-Ramgarh ckt-2 also tripped	1644	Nil	**GD-I**
2	WR	220 KV Bus-1 at Korba(E) 220 KV Bus-2 at korba(E) 220 KV Korba(E)-Korba(W)-1 220 KV Korba(E)-Korba(W)-2 220 KV Korba(E)-DSPM 220 KV Korba(E)-Churi-1 220 KV Korba(E)-Churi-2 220 KV Korba(E)-Raigarh 220 KV Korba(E)-Dhardehi 220 KV Korba(E)-Bhudipadar-2 220 KV Korba(E)-Bhudipadar-3 Korba(E) Unit-5 (120 MW) Korba(E) Unit-6 (120 MW) DSPM Unit-2 (250 MW)	Chattisgarh	01-Nov-19	13:14	01-Nov-19	13:59	00:45	As per preliminary report received from SLDC / Chhattishgarh, at 13:14 hrs/01.11.19 due to failure of bus coupler bay at 220 KV Korba(E), Chhattishgarh sub station 220 KV Bus-1 and 220 KV Bus-2 at Korba(E) tripped resulting in tripping of all connected elements to 220 KV Bus-1 & Bus-2. The above tripping resulted in total generation loss of around 490 MW approx. No load loss reported	490	Nil	**GD-1**
3	NR	315MVA ICT-1,2,3 at 400KV Muzaffarnagar Sub station UP 400KV Bus I & II of Muzaffarnagar 400KV Muzaffarnagar Ataur 400KV Muzaffarnagar Roorkee PG 400KV Muzaffarnagar Meerut PG 400KV Muzaffarnagar Vishnuprayag 400KV Muzaffarnagar Alaknanda 400KV Vishnuprayag Alaknanda 400KV Srinagar Alaknanda I 400KV Srinagar Alaknanda II Unit 3, 4 of Alaknanda Unit 1, 3 of Vishnuprayag	UPPCL	05-Nov-19	03:16	05-Nov-19	04:44	01:28	400 kV Bus Bar protection operated at 03.16 Hrs. 400 kV bus 1&2 tripped along with 5 nos. 400kV lines at Muzaffarnagar. However, power supply in 400/220 kV Muzaffarnagar Substation was uninterrupted through 220 kV networks. Total Generation loss is around 220MW at Alaknanda (82MW) & Vishnuprayag (140 MW). As reported by SLDC, UP tripping occurred due to Y-N fault in 400 kV Muzaffarnagar-Ataur line.	220	Nil	**GD-I**
4	NR	Unit #1,2,3&4 of URI-1 Unit #1,2,3,4 of URI-II 400kV URI-1-Amargarh ckt 2 400kv URI-2-Wagoora line	POWERGRID /NHPC/Sterlite	07-Nov-19	04:36	07-Nov-19	06:40	02:04	Due to inclement weather conditions, Major 220kV Load connectivity lines were in tripped conditions. Entire Uri generation was being evacuated through URIAMARGARAH-WAGOORA-KISHENPUR path. At 01:52hrs, 400kV URI-1-Amargarh ckt 2 tripped, entire URI generation (URI1+URI2 540MW) generation was evacuated through URI-II-Wagoora Kishnepur path only. At 04:36hrs, the only connected line 400kv URI-2-Wagoora line tripped on Phase to phase fault (inclement weather condition). Due to loss of evacuation path entire URI generating units tripped on over speed	540	0	**GD-1**
5	WR	400kV Akola-Wardha-1 400kV Wardha Bus-1	Mahatransco/PG	08-Nov-19	14:26	08-Nov-19	15:33	01:07	As per preliminary report received from RTAMC (N) & SLDC Maharashtra, at 14:26 hrs/08.11.19, 400kV Wardha-Akola-1 tripped on R-phase fault. During A/R attempt, R-phase pole was stuck up and 400 kV Bus-1 at Wardha (PG) tripped on LBB. The following relay indications were intimated - At Akola end: SOTF operated, R-E fault, 114.5 km and 2.99 kA. At Wardha (PG) end: 42.05km, 9.0029 kA	Nil	Nil	**GI-II**
6	NER	132 kV Monarchak - Udaipur T/L 132 kV Palatana-Udaipur T/L	Tripura	09-Nov-19	20:58	09-Nov-19	22:41	01:43	At 20:58 hrs , 132 kV Palatana -Udaipur and 132 kV Monarchak - Udaipur tripped leads to blackout of 132 kV Udaipur substation. Due to the disturbance 132 kV Udaipur area of Tripura got affected . There was a load loss of around 21 MW in Tripura system. No generation loss was observed.	Nil	21	**GD-1**