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: 11th Sep 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., 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 31st Aug-2020 to 06th Sep-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 31 अगस्त-2020 से 06 सितंबर-2020, 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 31st Aug-2020 to 06th Sep-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr.DGM (SO)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (31 अगस्त 2020 से 06 सितंबर 2020 तक) **रिपोर्टिंग तिथि:-** **11-Sep-20**

(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)
31-08-2020	55477		42045		39002		22599	289	2841	114	161964	403
01-09-2020	58040	340	42270		37931		20920		2919	9	162080	349
02-09-2020	57628	756	42289		37062		21659		2896	10	161534	766
03-09-2020	56535	768	44109		38086		22301		2978	117	164009	885
04-09-2020	56975	738	45981		38490		22808		2911	143	167165	881
05-09-2020	55027	368	46364		39091		22282		2719	254	165483	622
06-09-2020	55391	153	43710		34800		21600		2643	137	158144	290

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)
31-08-2020	1189	356	945	90	932	93	479	143	51	21	3596	703
01-09-2020	1251	356	968	99	929	86	460	137	51	18	3659	696
02-09-2020	1275	354	993	120	896	92	440	141	56	20	3660	727
03-09-2020	1296	350	1009	114	881	92	469	145	57	20	3712	722
04-09-2020	1269	348	1053	109	915	103	488	139	57	19	3781	717
05-09-2020	1249	332	1079	116	923	104	486	136	54	19	3791	706
06-09-2020	1173	333	1058	86	882	87	469	145	49	24	3631	675

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
31-08-2020	11.34	15.07	74.55	10.38	49.97	0.068
01-09-2020	5.35	5.35	83.41	11.24	49.99	0.027
02-09-2020	11.19	13.25	81.11	5.64	49.97	0.051
03-09-2020	5.32	7.27	83.48	9.25	49.99	0.039
04-09-2020	2.55	3.22	83.73	13.06	50.00	0.026
05-09-2020	1.19	1.19	81.63	17.18	50.01	0.021
06-09-2020	1.04	1.04	79.02	19.94	50.02	0.021

***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	31-08-2020		01-09-2020		02-09-2020		03-09-2020		04-09-2020		05-09-2020		06-09-2020	
	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	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	9754	0	10224	0	10468	0	10933	0	8800	0	8948	0	8850	0
	Haryana	8134	0	8413	0	9052	63	9018	0	8881	0	9231	0	7789	0
	Rajasthan	7899	0	8295	0	8875	0	9071	0	8539	0	8406	0	8334	0
	Delhi	4430	0	4785	0	5140	0	5240	0	5294	0	5151	0	4932	0
	UP	21824	0	22661	0	21578	0	33137	0	22549	0	22163	0	22266	0
	Uttarakhand	1831	0	1912	0	1927	0	1921	0	1948	0	1895	0	1695	0
	HP	1387	0	1375	0	1409	0	1352	0	1418	33	1405	33	1259	0
	J&K	2236	0	2301	0	2262	0	2149	0	2218	0	2330	0	2231	0
	Chandigarh	263	0	270	0	297	0	278	0	276	0	268	0	245	0
WR	Chhattisgarh	3625	0	3769	0	3438	0	3598	0	3875	0	3775	0	3825	0
	Gujarat	12108	0	11728	0	12168	0	12168	0	13241	0	13789	0	12988	0
	MP	8255	0	8491	0	8533	0	8609	0	8893	0	9149	0	9284	0
	Maharashtra	17378	0	17527	0	18724	0	19049	0	18887	0	19326	0	19043	0
	Goa	519	0	433	0	413	0	424	0	431	0	442	0	406	0
	DD	291	0	281	0	306	0	304	0	310	0	312	0	284	0
	DNH	710	0	708	0	724	0	746	0	747	0	746	0	723	0
	Essar steel	743	0	749	0	705	0	781	0	717	0	760	0	772	0
SR	Andhra Pradesh	8717	0	8420	0	8091	0	8045	0	8266	0	8600	0	8782	0
	Telangana	10138	0	10670	0	10570	0	9980	0	11014	0	10858	0	10621	0
	Karnataka	9814	0	9137	0	9216	0	7735	0	8424	0	8226	0	7931	0
	Kerala	3203	0	3170	0	3010	0	3288	0	3348	0	3340	0	2658	0
	Tamil Nadu	13101	0	13318	0	12971	0	13051	0	13190	0	13415	0	11343	0
	Pondy	394	0	351	0	368	0	368	0	372	0	375	0	352	0
ER	Bihar	6094	70	5984	0	5736	0	5822	0	5721	0	5704	0	5643	0
	DVC	2969	0	2995	0	2973	0	2989	0	3069	0	2982	0	3053	0
	Jharkhand	1517	219	1459	0	1509	0	1567	0	1609	0	1582	0	1489	0
	Odisha	4286	0	4064	0	4459	0	4520	0	4516	0	4272	0	4139	0
	West Bengal	8663	0	8518	0	7585	0	8077	0	8899	0	8602	0	8261	0
	Sikkim	84	0	90	0	91	0	91	0	91	0	93	0	79	0
NER	Arunachal Pradesh	119	1	118	1	116	1	118	1	115	1	104	1	103	1
	Assam	1834	80	1925	20	1994	20	1981	92	1920	125	1728	0	1710	8
	Manipur	186	2	179	1	207	1	201	1	199	1	198	0	190	2
	Meghalaya	303	0	303	0	353	0	296	0	302	0	312	0	308	0
	Mizoram	94	1	97	2	93	1	96	1	96	1	88	3	86	2
	Nagaland	126	1	129	1	122	2	128	2	128	1	127	2	124	1
	Tripura	279	1	273	2	293	1	298	1	317	0	295	2	303	4

6. Energy Consumption in States (MUs)

Region	States	31-08-2020	01-09-2020	02-09-2020	03-09-2020	04-09-2020	05-09-2020	06-09-2020
NR	Punjab	211.5	226.3	236.9	234.4	201.3	194.7	190.5
	Haryana	173.3	185.2	194.5	201.5	196.4	185.7	162.4
	Rajasthan	174.7	180.8	190.8	194.4	185.8	185.8	173.1
	Delhi	93.3	97.5	102.1	108.4	110.7	104.4	96.3
	UP	413.8	439.9	428.5	434.8	451.6	455.9	438.6
	Uttarakhand	39.7	41.6	41.5	42.6	42.9	42.3	37.7
	HP	30.4	30.8	31.8	30.8	31.4	31.3	27.9
	J&K	46.6	43.2	43.2	43.7	43.2	43.5	41.9
	Chandigarh	5.4	5.5	5.9	5.8	5.7	5.6	4.9
WR	Chhattisgarh	82.9	87.6	80.0	84.4	89.6	89.9	90.5
	Gujarat	256.8	261.4	272.4	272.4	294.7	305.3	293.6
	MP	178.2	188.6	191.1	192.9	201.6	208.5	210.0
	Maharashtra	378.1	382.3	401.1	408.6	417.5	425.1	415.0
	Goa	9.5	10.2	9.2	9.1	9.4	9.5	8.8
	DD	6.3	6.3	6.6	6.7	6.8	6.9	6.3
	DNH	16.4	16.3	16.7	17.1	17.1	17.2	16.9
	Essar steel	16.7	14.8	15.5	17.4	15.8	16.7	17.1
SR	Andhra Pradesh	183.4	178.5	171.7	172.7	177.8	182.6	184.7
	Telangana	197.5	209.2	203.7	197.7	210.9	217.4	217.2
	Karnataka	183.5	179.2	171.6	155.2	164.5	167.5	158.7
	Kerala	64.1	65.6	65.3	67.2	69.5	68.9	58.5
	Tamil Nadu	296.1	289.0	275.8	280.4	284.4	278.4	255.4
	Pondy	7.8	7.7	7.7	7.8	8.0	8.0	7.6
ER	Bihar	121.6	120.1	106.9	117.1	121.5	124.7	122.0
	DVC	64.9	64.1	63.8	64.3	65.7	64.4	64.1
	Jharkhand	29.1	28.8	27.2	27.8	28.7	29.0	28.8
	Odisha	90.1	86.4	86.9	94.1	94.8	87.8	87.1
	West Bengal	172.1	159.6	154.5	164.5	175.9	178.5	165.6
	Sikkim	1.0	1.1	1.1	1.1	1.2	1.1	1.0
NER	Arunachal Pradesh	2.0	2.2	2.2	2.2	2.1	2.1	2.2
	Assam	32.3	32.5	37.8	37.1	36.8	34.5	30.1
	Manipur	2.8	2.5	2.4	2.9	2.8	2.5	2.5
	Meghalaya	5.2	5.2	5.3	5.5	5.5	5.5	5.4
	Mizoram	1.7	1.7	1.6	1.6	1.6	1.6	1.5
	Nagaland	2.3	2.3	2.1	2.3	2.3	2.3	2.3
	Tripura	4.8	4.7	5.0	5.2	5.5	5.7	5.3
ALL INDIA TOTAL		**3595.5**	**3658.6**	**3660.1**	**3711.7**	**3781.2**	**3790.8**	**3631.5**

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (31 अगस्त 2020 से 06 सितंबर 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	31-08-2020	01-09-2020	02-09-2020	03-09-2020	04-09-2020	05-09-2020	06-09-2020
East to North	-61.4	-82.4	-92.8	-88.9	-93.2	-93.0	-89.6
East to West	71.3	48.9	39.7	47.5	49.5	48.5	64.8
East to South	-92.0	-93.3	-99.9	-89.7	-87.4	-86.2	-87.2
East to North-East	-15.1	-18.3	-26.5	-25.1	-23.6	-21.1	-9.7
North-East to North	-14.4	-14.3	-13.2	-13.4	-13.4	-13.3	-13.4
West to North	-191.0	-188.8	-200.7	-221.4	-207.1	-209.1	-163.7
West to South	-83.6	-74.0	-91.2	-58.3	-74.5	-75.2	-57.0

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

साप्ताहिक रिपोर्ट (31 अगस्त 2020 से 06 सितंबर 2020 तक)

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)
31-08-2020	47.1	1962	-2.0	-252	-85	-26.0	-1106	-1082
01-09-2020	43.1	1795	-3.1	-331	-129	-26.9	-1152	-1119
02-09-2020	47.0	1959	-2.0	-233	-83	-25.9	-1124	-1078
03-09-2020	49.5	2061	-2.5	-257	-103	-25.5	-1088	-1062
04-09-2020	47.7	1988	-3.1	-329	-130	-25.1	-1103	-1046
05-09-2020	48.9	2038	-2.3	-285	-96	-25.9	-1109	-1080
06-09-2020	54.2	2257	-2.3	-192	-94	-26.2	-1133	-1093
कुल Total	**337.4**		**-17.3**			**-181.4**		

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	NER	132 kV Along-Pasighat T/L	MoP Arunachal Pradesh	01-Sep-20	11:07	01-Sep-20	11:41	00:34	At 11:07 Hrs of 01/09/2020, 132 kV Along-Pasighat T/L tripped causing blackout of 132 kV Pasighat and radially connected 132 kV Roing, Tezu and Namsai buses. Due to the disturbance, estimated load loss of around 11 MW was observed at Pasighat-Roing-Tezu-Namsai area of Arunachal Pradesh. No generation loss was observed.	Nil	11	GD-1
2	ER	400 kV Barh Motihari-2	DMTCL/PG	02-Sep-20	00:20	02-Sep-20	00:59	00:39	At 00:20 hrs, 400 kV Barh Motihari-2 tripped due to R-N fault. Fault distance-23 km, Fault current- 0.6 kA from Motihari. Inclement weather reported at Motihari.	Nil	280	GI-I
3	NER	132 kV Along-Pasighat T/L	MoP Arunachal Pradesh	02-Sep-20	11:27	01-Sep-20	12:02	00:35	At 11:27 Hrs of 01/09/2020, 132 kV Along-Pasighat T/L tripped causing blackout of 132 kV Pasighat and radially connected 132 kV Roing, Tezu and Namsai buses. Due to the disturbance, estimated load loss of around 14 MW was observed at Pasighat-Roing-Tezu-Namsai area of Arunachal Pradesh. No generation loss was observed.	Nil	14	GI-1
4	NR	400 kV Banda- Rewa Road (UP) 1 400 KV Meja TPS(MUN)-Rewa Road(UP) (UP) Ckt-1 400 KV Rewa Road-Panki (UP) Ckt-1 125 MVAR Bus Reactor No 1 at 400KV Rewa Road(UP) 400/220 kV 315 MVA ICT 1 at Rewa Road(UP)	UP	02-Sep-20	10:56	02-Sep-20	13:36	02:40	Due to fault in 400 kV Banda-Allahabad Rewa road 1, Bus bar protection of Bus-1 operated at Allahabad Rewa road resulting in tripping of all the associated elements of Bus-1.	Nil	Nil	GI-II
5	WR	Vav(Radhanesda) - 400KV B/R 1 400KV/220KV Vav(Radhanesda)-ICT-1 400KV/220KV Vav(Radhanesda)-ICT-2 400KV-Vav(Radhanesda)-Banaskantha I 400KV-Vav(Radhanesda)-Banaskantha II Vav(Radhanesda) - 400KV - Bus 1 Vav(Radhanesda) - 400KV - Bus 2 Vav(Radhanesda) - 220KV - Bus 1 Vav(Radhanesda) - 220KV - Bus 2	Gujrat	03-Sep-20	11:27	03-Sep-20	15:21	03:54	At 11:27 Hrs/03.09.2020 400KV Banaskantha-Vav-1&2 got tripped due to earth fault in DC source 2 at Radhanesda (Vav) S/S and DT receipt at Banaskantha S/S end. All the element at Radhanesda restored.	Nil	Nil	GI-II
6	NER	132 kV Melriat-Zuangtui	Mizoram	04-Sep-20	11:58	04-Sep-20	12:14	00:16	132 kV Zuangtai S/S is radially fed from 132 kV Melriat S/S. At 11:58 Hrs, 132 kV Melriat-Zuangtui tripped with indication Melriat: DP, R-Ph ,Z-3, 50.33 km ; Zuangtui : O/C, resulting in power loss in Zuangtui area of Mizoram state.Due to this incident, Zuangtui area of Mizoram state was affected. Load loss of 40 MW is observed in Mizoram. There was no generation loss.	Nil	40	**GI-II**
7	ER	220 kV MTPS –Gopalganj -2 220 kV MTPS –Ujiarpur -1 220 kV MTPS –Ujiarpur -2	MTPS,DMTCL,BSEB	04-Sep-20	11:02	04-Sep-20	17:59	06:57	At 11:02 220 KV 220 kV MTPS –Gopalganj -2 tripped (tripped in zone 1 ,B-n, from mtps and o/c e/f from gopalganj(CKT-1 was under shutdown) along with tripping of 220 KV MTPS- Samastipur new ckt 1 with r/i: 1.197 kA at Mtps end;At this moment 220 KV Samastipur new ckt 2 was hand tripped at MTPs and later by samastipur new as smoke was noticed around vegetation near pump house of MTPS.This led to voltage loss at 220 KV Gopalganj S/s.	Nil	202	GD-1
8	SR	230 kV HOSUR-HOSUR -1 230 kV HOSUR-HOSUR -2 230 kV HOSUR-YERANDANAHALLI 230 kV HOSUR-METTUR	Tamil Nadu	05-Sep-20	01:19	05-Sep-20	02:47	01:28	As reported, At 01:19 Hrs Y PH CT BLAST of 230 kV HOSUR-HOSUR -2 and resulted in failure of power supply at 230KV HOSUR SS station(s)	Nil	150	GD-1
9	WR	400 KV SSP-Asoj SSP tripped Unit-2 at SSP CHPH (50 MW) Unit-3 at SSP CHPH (50 MW)	Gujrat	05-Sep-20	12:51	05-Sep-20	13:25	00:34	At 12:51 hrs/05.09.2020 at SSP, 400 KV SSP-Asoj tripped on B phase fault. During the above tripping Unit-2 and Unit-3 at CHPH, SSP tripped due to jerk resulting in generation loss of 100 MW. Both the tripped units synchronized.	100	Nil	GD-1
10	WR	220kV Solapur(Lamboti)- Pandharpur	Maharastra	05-Sep-20	13:32	05-Sep-20	15:16	01:44	At 13:32hrs 220kV Solapur(Lamboti)-Pandharpur line tripped due to B phase fault. As intimated by SLDC Maharashtra load loss of 237 MW occurred due to tripping .	Nil	237	GD-1
11	WR	220 kV Solapur(Lamboti)-Karkambh 220 BUS-2 at Solapur(Lamboti) 220 kV Solapur(Lamboti)-Solapur(MH) Ckt-1 400/220 KV ICT-2 at Solapur(Lamboti).	Maharastra	05-Sep-20	13:41	05-Sep-20	14:15	00:34	At 13:41 hrs/05.09.2020 220 kV Solapur(Lamboti)-Karkambh line tripped on B phase fault. Also at the same time 220 KV Bus-2 at Solapur(Lamboti) tripped as LBB protection operated resulting in tripping of 220 kV Solapur(Lamboti)-Solapur(MH) Ckt-1 and 400/220 KV ICT-2 at Solapur(Lamboti). As intimated by SLDC Maharashtra, load loss of 153 MW occurred .	Nil	153	GD-1