National Load Despatch Centre
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
POWER SYSTEM OPERATION CORPORATION LIMITED
(A wholly owned subsidiary of POWERGRID)
CIN No.: U40105DL2009GOI188682
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref:POSOCO/NLDC/SO/Weekly Report Date: 13th May 2016

To,

1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
   General Manager, 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. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई - 400093
   General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलौंग - 793006
   General Manager, 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 2nd May to 8th May 2016.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 2 मई से 8 मई 2016, 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 2nd May to 8th May 2016, is available at the NLDC website, at the following link.

http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%20020516%20to%20080516.pdf

Thanking You.

Yours faithfully,

DGM (SO)

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

साप्ताहिक रिपोर्ट (02 मई से 08 मई - 2016 तक)

रिपोर्टिंग तिथि:- 13-May-16

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

1. अधिकतम मांग आपूर्ति और आधिकतम 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)
02-05-2016	42353	542	44194	64	37146		18226	200	1873	338	143792	1144
03-05-2016	43179	506	43841	82	36092	125	17469		2096	188	142677	901
04-05-2016	41879	2354	41474		34184	300	16242		2092	187	135871	2841
05-05-2016	40126	2705	40823		35516	738	17433	300	2163	144	136061	3887
06-05-2016	42558	2357	40526		33598		17748	150	2156	177	136586	2684
07-05-2016	43241	2794	41613	20	35486	125	16458		2126	158	138924	3097
08-05-2016	42199	543	39145		32363		17407	174	2167	114	133282	831

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)
02-05-2016	999	196	1045	30	911	57	390	27	28	11	3373	321
03-05-2016	1016	210	1050	31	915	54	391	22	35	10	3407	327
04-05-2016	986	194	1027	27	889	45	344	21	35	10	3281	296
05-05-2016	920	191	1023	24	881	46	360	23	37	9	3221	292
06-05-2016	952	188	995	23	829	36	378	22	36	10	3190	278
07-05-2016	981	308	1017	27	834	32	372	22	37	9	3242	398
08-05-2016	988	225	991	27	794	25	347	20	38	9	3159	306

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
02-05-2016	3.14	3.24	72.01	24.75	50.01	0.039
03-05-2016	5.36	5.96	74.35	19.69	50.00	0.041
04-05-2016	3.91	3.91	68.13	27.96	50.02	0.052
05-05-2016	2.55	2.55	71.10	26.35	50.01	0.034
06-05-2016	2.22	2.22	66.74	31.04	50.02	0.039
07-05-2016	2.73	2.73	73.38	23.89	50.01	0.031
08-05-2016	0.75	0.79	60.69	38.52	50.04	0.059

***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	02-05-2016		03-05-2016		04-05-2016		05-05-2016		06-05-2016		07-05-2016		08-05-2016	
	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	6281	0	6206	0	6389	0	6402	0	6438	0	6597	0	6735	0
	Haryana	7389	0	7454	0	7384	0	6977	0	7296	0	7477	0	7221	0
	Rajasthan	9027	0	9343	0	9082	0	8538	0	8819	0	9337	0	9022	0
	Delhi	4955	6	5137	0	4925	0	4672	0	4605	0	4589	0	4744	15
	UP	14275	0	14697	0	13092	1830	13123	1950	12940	1830	12872	3645	13672	1215
	Uttarakhand	1841	40	1773	40	1739	0	1709	40	1765	40	1771	0	1706	0
	HP	1124	0	1256	6	1216	0	1148	0	1136	0	1177	0	1170	0
	J&K	1911	478	1925	481	1956	489	1988	497	2063	516	2010	503	1981	495
	Chandigarh	295	0	281	0	301	0	273	0	275	0	255	0	255	0
WR	Chhattisgarh	3443	0	3392	0	3145	0	3291	0	3355	0	3292	0	3229	0
	Gujarat	14177	15	14337	0	14137	0	14260	0	14258	0	14183	0	13353	0
	MP	8015	0	7643	0	7365	0	7009	0	6869	0	7812	0	7546	0
	Maharashtra	19728	0	19862	0	20274	10	19568	0	18461	0	18886	0	17944	0
	Goa	486	0	497	60	463	0	452	0	450	0	433	0	418	0
	DD	301	0	278	0	310	0	302	0	277	0	316	0	287	0
	DNH	717	0	737	0	735	0	745	0	737	0	741	0	732	0
	Essar steel	550	0	507	0	477	0	490	0	433	0	572	0	505	0
SR	Andhra Pradesh	7361	0	7361	0	6780	0	6795	0	6236	0	6516	0	6384	0
	Telangana	6119	0	6079	0	5617	0	5793	0	5474	0	5089	0	5298	0
	Karnataka	9293	700	9032	270	8952	300	8983	600	8622	0	8404	0	7666	0
	Kerala	3939	150	3861	125	3761	0	3499	125	3828	0	3722	125	3549	0
	Tamil Nadu	14754	0	14901	0	14972	0	15015	0	14742	0	14250	0	12963	0
	Pondy	339	0	355	0	352	0	352	0	353	0	360	0	326	0
ER	Bihar	3358	150	3513	0	3230	0	3330	0	3629	150	3436	0	3586	150
	DVC	2889	0	2674	0	2545	0	2761	0	2916	0	2847	0	2804	0
	Jharkhand	1128	0	1069	0	935	0	1011	0	1011	0	995	0	1007	0
	Odisha	3924	0	3811	0	3518	0	3951	0	3638	0	3924	0	3503	0
	West Bengal	7878	0	8106	0	7303	0	7269	0	7611	0	7026	0	7168	0
	Sikkim	82	0	85	0	95	0	86	0	89	0	93	0	75	0
NER	Arunachal Pradesh	87	21	106	5	109	4	102	1	106	6	105	3	107	2
	Assam	1209	156	1272	136	1263	127	1412	8	1310	121	1310	90	1343	34
	Manipur	112	15	120	1	114	3	133	0	123	2	127	2	127	1
	Meghalaya	249	0	259	0	257	0	268	0	271	0	249	0	249	0
	Mizoram	58	7	69	1	67	4	79	1	76	4	81	1	76	2
	Nagaland	75	25	101	4	107	5	102	0	103	5	99	5	98	6
	Tripura	184	12	191	19	208	11	201	0	178	28	207	5	213	23

6. Energy Consumption in States (MUs)

Region	States	02-05-2016	03-05-2016	04-05-2016	05-05-2016	06-05-2016	07-05-2016	08-05-2016
NR	Punjab	140.4	142.6	142.9	139.4	143.2	149.7	156.6
	Haryana	140.7	142.7	143.0	126.6	136.9	144.4	139.3
	Rajasthan	196.5	196.4	201.9	178.2	181.7	197.5	194.8
	Delhi	95.8	104.9	102.0	96.6	94.7	89.6	92.6
	UP	315.7	314.6	288.0	273.3	284.6	286.7	306.5
	Uttarakhand	37.9	39.7	35.4	33.3	37.7	38.6	36.3
	HP	23.5	25.9	24.3	23.1	23.4	25.2	14.9
	J&K	42.5	43.3	42.8	44.0	44.7	44.2	42.6
	Chandigarh	5.6	5.7	5.6	5.4	5.4	5.3	4.9
WR	Chhattisgarh	85.1	81.7	66.0	72.4	72.8	76.0	77.9
	Gujarat	311.6	315.6	313.6	316.2	314.8	313.7	301.3
	MP	175.1	171.5	164.7	157.0	151.6	162.2	161.5
	Maharashtra	430.1	439.6	440.2	432.6	414.0	421.6	408.2
	Goa	10.1	10.2	9.9	10.2	10.0	9.8	8.8
	DD	6.0	6.2	6.9	6.7	5.9	6.8	6.4
	DNH	16.1	16.7	16.4	17.1	17.0	17.2	16.6
	Essar steel	11.0	9.0	8.9	10.7	8.7	10.2	10.7
SR	Andhra Pradesh	158.4	153.0	143.4	145.0	133.3	139.9	140.7
	Telangana	132.1	129.2	113.3	115.3	97.9	114.3	107.6
	Karnataka	203.7	204.4	203.1	196.7	183.2	183.1	170.5
	Kerala	79.1	79.3	77.2	75.0	75.4	71.8	68.9
	Tamil Nadu	330.2	341.1	344.3	341.7	332.0	317.2	298.8
	Pondy	7.4	7.6	7.7	7.5	7.5	7.8	7.3
ER	Bihar	68.7	69.1	62.9	68.8	70.2	62.7	70.3
	DVC	64.2	62.5	58.0	59.0	62.0	62.7	59.5
	Jharkhand	24.4	22.1	19.6	20.9	21.2	21.3	19.0
	Odisha	79.4	80.1	76.5	73.1	74.0	77.8	74.1
	West Bengal	152.8	155.7	125.4	136.9	149.6	146.5	123.3
	Sikkim	1.0	1.3	1.5	1.3	1.2	1.3	1.1
NER	Arunachal Pradesh	1.3	1.7	1.7	1.8	2.1	1.8	1.8
	Assam	16.0	22.1	21.4	23.0	21.1	22.5	22.9
	Manipur	1.1	1.7	1.8	2.0	2.0	2.0	2.0
	Meghalaya	3.7	4.4	4.2	3.8	4.2	4.6	4.1
	Mizoram	1.1	0.4	1.1	1.4	1.3	1.3	1.2
	Nagaland	1.7	1.9	1.8	1.9	2.2	1.8	2.0
	Tripura	3.2	2.4	3.4	3.1	2.8	3.2	3.5
ALL INDIA TOTAL		**3373.1**	**3406.3**	**3280.7**	**3221.1**	**3190.3**	**3242.3**	**3158.6**

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (02 मई से 08 मई - 2016 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	02-05-2016	03-05-2016	04-05-2016	05-05-2016	06-05-2016	07-05-2016	08-05-2016
East to North	-26.4	-31.3	-36.0	-24.0	-26.0	-34.0	-29.5
East to West	1.6	2.9	-5.0	2.0	-8.0	-10.0	-7.8
East to South	-39.8	-54.1	-55.0	-57.0	-47.0	-54.0	-50.4
East to North-East	-10.5	-12.1	-13.0	-13.0	-12.0	-12.0	-12.7
North to North-East	11.7	11.6	11.7	11.6	11.9	11.1	10.1
West to North	-127.0	-122.8	-120.3	-111.5	-117.5	-114.5	-108.7
West to South	-65.3	-63.7	-64.5	-48.3	-51.1	-62.5	-62.6

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

साप्ताहिक रिपोर्ट (02 मई से 08 मई - 2016 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 (In MU)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)
02-05-2016	3.1	128	-6.5	-325	-271	-10.7	-499	-447
03-05-2016	2.8	117	-6.8	-322	-285	-12.6	-528	-525
04-05-2016	3.4	142	-3.9	-256	-163	-12.2	-536	-510
05-05-2016	3.3	138	-6.3	-293	-264	-12.5	-533	-520
06-05-2016	3.8	156	-6.3	-309	-263	-12.3	-539	-512
07-05-2016	4.7	194	-5.4	-314	-223	-12.3	-522	-513
08-05-2016	6.6	275	-6.9	-315	-288	-11.0	-550	-458
कुल Total	**27.6**		**-42.2**			**-83.7**		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time	Time				
1	WR	1) 400 kV JP Nigrie –Satna-D/c 2) JP Nigrie Unit-I &II	JP Nigrie	03.05.2016	21:07	04.05.2016	02:48	05:39	R phase to earth fault occurred 400 kV JP Nigrie –Satna 2 circuit. Both ends have issued the single phase trip for A/R. With this the flow in other circuit has increased and from Satna end the Zone 3 has picked up. After 1 second the circuit 1 got tripped from Satna end on Zone 3 protection. While A/R operated successfully at JP Nigrie end after 1.2 second while no reclosure occurred at Satna end. With this generator at JP Nigrie was connected with only two phases with the grid resulting in power swing and after 300 ms fault reappeared and circuit tripped. With tripping of both lines, JP Nigrie generator isolated from the system and tripped causing loss of 1211 MW of generation	1210		GD-I
2	ER	1)220 kv Purnea(PG)- Madehepura(BSEB)-II 2)220 kv Purnea(PG)- Madehepura(BSEB)-I 3)132 KV Madhepura – Supol D/C 4)132 KV Madhepura – Sharsha S/C 5)132 KV Purnea(BSEB)-Forbisganj	BSEB	04.05.2016	06:08	04.05.2016	06:35	00:27	Due to disturbance in Purnea and Madehpura area of Bihar, load loss observed in Nepal.132 KV Purnea(BSEB)-Forbisganj normalized & power extended to Nepal through -132 KV Purnea(BSEB)-Forbisganj-Kataiya-Nepal(Rajbirat).		110	GD-I
3	WR/SR	1)400 kV Ramagundam -Bhadrawathi I 2)400 kV Ramagundam -Bhadrawathi I 3)HVDC Bhadrawati B/B	PG	04.05.2016	19:16	04.05.2016	20:20	01:04	400 kV Ramagundam -Bhadrawathi I tripped on B-N fault. Thereafter, at 19:36 Hrs Ckt-II is also tripped on B-N fault resulted in tripping of both HVDC Bhadrawathi blocks 1&2.			GI-II
4	WR	1) 400kV Mouda-Wardha-D/c 2) Mauda Unit-I & II	NTPC	05.05.2016	19:01	05.05.2016	19:26	00:25	Due to tripping of 400kV Mouda-Wardha-2 on B-N fault,11.5Km from warhda S/s. later 400kV Mouda-Wardha-2 also tripped on R-N fault from Warhda S/s. Due to loss of evacuating lines from Mouda both the running units-1&2 got tripped.	580		GD-I
5	ER	1) 400KV Meeramunadali-Mendhasal 2) 400KV New Dubri-Mendhasal 3) 400KV Baripada-Mendhasal 4) 315MVA 400/220 ICT- I & II at Mendasal	OPTCL	06.05.2016	14:13	06.05.2016	15:04	00:51	400KV Meramunadali-Mendhasal tripped on B-N fault along with the mentioned elements which tripped from Mendhasal end.This resulted into load loss in Chandaka, Bhubaneswar Nimpara & Puri area.		500	GD-I
6	ER	1)132 kV Purnea -Kishanganj 2)132 kV Purnea -Forbisganj 3)132 kV Kataiya , Supoul I 4)132 kV Kataiya - Duhabi	BSPTCL	03.04.2016	02:31:00	03.04.2016	02:50	00:19	Due to fault in 132 Kv Forbisganj - Kishanganj , and as there is no braker in Kishanganj so fault was cleared from Purnea end in zone - 2 by opening 132 kv Purnea -Kishanganj.After that Forbisganj, Kataiya, some of Nepal load started flowing through 132 kv Purnea - Forbisganj so 132 kv Purnea -Forbisganj tripped on overload.Now the Forbisganj, Kataiya, Nepal load started flowing through 132 kv Kataiya-Supoul d/c at the same time when 132 kv Kataiya-Supoul I tripped on overload (IDMT relay) ,132 Kv Kataiya - Duhabi also tripped(Reason yet awaited) so via 132 kv Kataiya-Supoul II Forbisganj load ,Kataiya local load was getting feeded.			