

# National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

#### POWER SYSTEM OPERATION CORPORATION LIMITED

### पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 20<sup>th</sup> September 2017

To,

- कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. कार्यकारी 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. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. महाप्रबंधक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 19.09.2017.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-सितंबर-2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 19<sup>th</sup> September 2017, is available at the NLDC website.

धन्यवाद.

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

Report for previous day 20-Sep-17

### A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52467	43913	37101	19359	2490	155330
Peak Shortage (MW)	1761	11	0	351	195	2318
Energy Met (MU)	1186	972	816	405	47	3426
Hydro Gen(MU)	241	17	63	98	21	440
Wind Gen(MU)	7	59	173			239
Solar Gen (MU)*	11.28	13.34	28.10	0.29	0.01	53
Energy Shortage (MU)	24.5	0.0	0.0	1.1	1.4	27.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	52878	43110	36998	19203	2565	154221

B. Frequency Profile (%)

D. I requerie y I forme	(70)						
Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.031	0.00	0.00	2.66	2.66	75.98	21.35

C. Power Supply Position in States

RegionRegion	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
	Punjab	8815	0	189.3	93.1	1.2	204	0.0
	Haryana	8499	0	177.9	114.1	2.5	289	0.0
						1.7		
	Rajasthan	9863	0	215.5	74.4		318	0.0
ND	Delhi	5124	0	108.4	81.2	-1.2	251	0.0
NR	UP	16793	0	381.8	189.1	4.2	409	14.5
	Uttarakhand	1837	75	39.9	13.9	1.3	168	0.2
	HP	1340	0	27.0	9.2	1.1	111	0.0
	J&K	2056	514	40.4	22.7	4.2	460	9.6
	Chandigarh	272	0	5.5	5.8	-0.3	43	0.0
	Chhattisgarh	3463	0	79.9	22.9	-2.7	120	0.0
	Gujarat	13982	0	309.1	50.3	2.2	452	0.0
	MP	7971	0	169.4	102.3	1.1	490	0.0
WR	Maharashtra	17093	0	373.5	105.8	-1.7	274	0.0
VVIX	Goa	408	0	8.7	8.7	-0.2	60	0.0
	DD	334	0	7.4	6.4	1.0	94	0.0
	DNH	749	0	16.1	16.2	-0.1	56	0.0
	Essar steel	388	0	7.7	7.8	-0.1	168	0.0
	Andhra Pradesh	7077	0	153.0	24.9	2.4	510	0.0
SR	Telangana	7882	0	173.7	76.6	1.9	507	0.0
	Karnataka	6651	0	138.1	28.5	-6.0	399	0.0
ЭN	Kerala	3352	0	64.6	39.6	1.7	289	0.0
	Tamil Nadu	13528	0	279.5	114.6	3.0	443	0.0
	Pondy	348	0	7.3	7.4	-0.1	15	0.0
	Bihar	4260	0	83.8	80.7	-3.7	220	0.0
	DVC	2765	0	65.7	-28.1	0.9	225	0.0
ED.	Jharkhand	1118	0	24.7	15.6	1.7	85	0.0
ER	Odisha	4054	0	84.8	33.3	4.6	230	0.9
W	West Bengal	7708	0	145.2	50.7	4.0	250	0.2
	Sikkim	97	0	1.2	1.0	0.1	12	0.0
	Arunachal Pradesh	100	2	1.9	2.6	-0.7	5	0.0
	Assam	1608	115	30.6	22.8	2.5	161	1.2
	Manipur	146	3	1.9	2.3	-0.4	27	0.0
NER	Meghalaya	275	0	4.4	0.6	-0.2	61	0.0
	Mizoram	88	2	1.2	1.3	-0.2	23	0.0
	Nagaland	110	2	1.9	1.8	-0.1	27	0.0
	Tripura	233	2	4.8	4.2	0.3	25	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual(MU)	31.1	-5.5	-15.0
Day peak (MW)	1368.6	-212.1	-654.7

E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

=									
	NR	WR	SR	ER	NER	TOTAL			
Schedule(MU)	266.4	-231.6	15.2	-50.8	-0.5	-1.4			
Actual(MU)	268.5	-235.3	21.2	-51.0	-0.4	3.0			
O/D/U/D(MU)	2.1	-3.7	6.0	-0.2	0.1	4.3			

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3215	14779	4850	2590	156	25590
State Sector	9215	16204	12162	4645	110	42336
Total	12430	30983	17012	7235	266	67926

G. Sourcewise generation (MU)

G. Sourcewise generation (WO)						
	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	595	1093	446	368	5	2507
Hydro	241	17	63	98	21	441
Nuclear	23	3	50	0	0	77
Gas, Naptha & Diesel	52	60	17	0	25	154
RES (Wind, Solar, Biomass & Others)	25	72	235	0	0	333
Total	936	1246	812	466	51	3511

<sup>\*</sup>Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data. सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के॰वि॰प्रा॰(ग्रि॰प्र॰)/ मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यो के मुख्य सचिव/ऊर्जा सचिव

765KV   SASA     3			<u>CHANGES</u>	Date of I	Import=(+ve)		
1	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	/Export =(-ve) for NET (MU) NET (MU)
765KV   SASA     3			, , ,			Ì	
3	AYA-VARANASI ASARAM-FATEHPUR	D/C S/C	0	242 104	0.0	6.0	-6.0 0.1
HVDC   PUSA   PUSA   RUSA	AYA-BALIA	S/C S/C	0	349	0.1	6.1	-6.1
5       PUSA         6       PUSA         7       PUSA         8       MUZZ         9       400 KV       PATN         10       BIHA         11       BIHA         12       BIHA         13       220 KV       PUSA         14       SONE         15       GARN         16       KARN         17       FORT/Export of ER (V         18       765 KV       JIHAR         19       AUO KV       JIHAR         20       BUDH       BYPA         21       JUNK       BUDH         22       BUDH       BUDH         23       STER       RANG         24       BUDH       BUDH         25       220 KV       ANG         28       HVDC       JEYP         29       LINK       TALC         30       400 KV       TALC         31       220 KV       BINA         33       HVDC       BISW         40       AUP       AUP         40       AUP       AUP         44       AUP       AUP	LIPURDUAR-AGRA	-	0	385	0.0	14.2	-14.2
7       8       9       400 KV       PATN         10       BIHA         11       BIHA         12       BIHA         13       220 KV       PUSA         14       SONE         15       GARY         16       KARN         17       KARN         18       765 KV       JHAR         19       ANOUE       BYPA         21       ANOUE       BYPA         22       JHAR       IBEUN         23       STER       RANG         24       BUDE       BUDE         23       STER       RANG         24       BUDE       BUDE         23       LINK       ANG         24       JEYP       TALC         30       400 KV       JEYP         29       LINK       TALC         31       220 KV       BALI         32       HVDC       BISM         33       PUD       BISM         34       220 KV       BISM         36       HVDC       BISM         37       HVDC       BAL         39       AO	JSAULI B/B	S/C	0	0	0.0	0.0	0.0
8	JSAULI-VARANASI	S/C	0	0	1.5	0.0	1.5
9 400 KV   PATK   10   BIHA   11   BARH   12   BIHA   13   220 KV   PUSA   14   ARN   ARN   ARN   ALIPU   12   AND   ARN   ALIPU   13   AND   AN	USAULI -ALLAHABAD UZAFFARPUR-GORAKHPUR	S/C D/C	0	672	2.7 0.0	0.0	2.7
10	ATNA-BALIA	Q/C	0	794	0.0	18.6	-11.1
12	HARSHARIFF-BALIA	D/C	0	267	0.0	4.1	-4.1
13	ARH-GORAKHPUR	D/C	0	0	3.8	0.0	3.8
14	HARSHARIFF-VARANASI	D/C	0	80	0.0	0.2	-0.2
15	SAULI-SAHUPURI	S/C	0	243	0.0	4.7	-4.7
132 KV   KARM	NE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
NAME	ARWAH-RIHAND	S/C	0	0	0.5	0.0	0.5
POPT   EXPORT OF ER (No.   18   19   19   19   19   19   19   19	ARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
18	ARMANASA-CHANDAULI	S/C	0	0 ER-NR	0.0	65.0	0.0
18	R (With WR)			EK-NR	8.5	65.0	-56.5
19	(ARSUGUDA-DHARAMJAIGARH S/C	D/C	0	130	5.9	0.0	5.9
20	EW RANCHI-DHARAMJAIGARH	D/C	0	34	10.2	0.0	10.2
21	OURKELA - RAIGARH ( SEL LILO	S/C	0	5	0.0	0.0	0.0
22	(PASS) (ARSUGUDA-RAIGARH	S/C	0	27	2.5	0.0	2.5
23   RANG 24   RANG 25   RANG 26   RANG 26   RANG 27   RANG 28   RANG 28   RANG 29   LINK   TALC 30   400 KV   TALC 31   220 KV   BALD 31   220 KV   BALD 33   AUO KV   ALD 34   ALD 35   RVDC   BISW  PORT/Export of WR ( 36   APL 37   RVDC   BISW  PORT/Export of WR ( 36   APL 37   RVDC   RANG 38   APL 39   RVDC   RANG 39   RVDC   RANG 39   RVDC   RANG 31   RVDC   RANG 31   RVDC   RANG 32   RVDC   RANG 33   RVDC   RANG 34   RAPP 45   RAPP 45   RAPP 45   RAPP 45   RAPP 45   RAPP 45   RAPP 46   RAPP 47   RAPP 48   RAPP 49   RANG 50   RVDC   RANG 51   RANG 52   RANG 53   RANG 54   RAPP 55   RANG 56   RVDC   RANG 57   RANG 58   RANG 59   RANG 50   RVDC   RANG 50   RANG 50   RVDC   RANG 51   RANG 52   RANG 53   RANG 54   RAPP 55   RANG 56   RANG 57   RANG 58   RANG 59   RANG 50   RA	ARSUGUDA-RAIGARH EUL-RAIGARH	S/C S/C	0	0	0.0	0.0	0.0
24	ERLITE-RAIGARH	D/C	0	0	6.9	0.0	6.9
220 KV   BUDE	ANCHI-SIPAT	D/C	0	0	7.0	0.0	7.0
Port/Export of ER (V)	JDHIPADAR-RAIGARH	S/C	0	75	0.0	0.6	-0.6
765 KV	JDHIPADAR-KORBA	D/C	0	0	3.9	0.0	3.9
765 KV				ER-WR	36.4	0.6	35.8
Note   Part					0.0	12.2	10.0
29	NGUL-SRIKAKULAM YPORE-GAZUWAKA B/B	D/C D/C	0.0	0.0	0.0	13.3 8.5	-13.3 -8.5
30	ALCHER-KOLAR BIPOLE	D/C D/C	0.0	1290.2	0.0	11.5	-0.3
Port/Export of ER ()   32	ALCHER-I/C	D/C	0.0	1166.0	0.0	16.1	-16.1
32   400 KV   BINA   ALIPU     34   220 KV   ALIPU     35   HVDC   BISW     36   HVDC   SISW     37   HVDC   V'CH     38   APL     39   765 KV   QWA     40   KV   CH     41   ZERD     42   400 KV   ZERD     43   44   RAPP     45   BADO     46   47   BADO     48   MALA     49   132KV   GWA     50   HVDC   BHAI     51   LINK   BARS     52   765 KV   WAR     54   400 KV   KOLH     55   SOLA     56   220 KV   PONE     56   COLA   COLH     56   COLH   COLH     56   COLH   COLH     56   COLH   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     59   COLH   COLH     50   KOLH     55   COLH   COLH     56   COLH   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     59   COLH   COLH     50   KOLH     50   KOLH     51   COLH   COLH     52   COLH   COLH     54   COLH   COLH     55   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     59   COLH   COLH     50   COLH   COLH     51   COLH   COLH     52   COLH   COLH     54   COLH   COLH     55   COLH   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     58   COLH   COLH     50   COLH     50   COLH   COLH     50	ALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
32   400 KV   BINA   ALIPU     34   220 KV   ALIPU     35   HVDC   BISW     36   HVDC   SISW     37   HVDC   V'CH     38   APL     39   765 KV   QWA     40   KV   CH     41   ZERD     42   400 KV   ZERD     43   44   RAPP     45   BADO     46   47   BADO     48   MALA     49   132KV   GWA     50   HVDC   BHAI     51   LINK   BARS     52   765 KV   WAR     54   400 KV   KOLH     55   SOLA     56   220 KV   PONE     56   COLA   COLH     56   COLH   COLH     56   COLH   COLH     56   COLH   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     59   COLH   COLH     50   KOLH     55   COLH   COLH     56   COLH   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     59   COLH   COLH     50   KOLH     50   KOLH     51   COLH   COLH     52   COLH   COLH     54   COLH   COLH     55   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     59   COLH   COLH     50   COLH   COLH     51   COLH   COLH     52   COLH   COLH     54   COLH   COLH     55   COLH   COLH     56   COLH   COLH     57   COLH   COLH     58   COLH   COLH     58   COLH   COLH     50   COLH     50   COLH   COLH     50				ER-SR	0.0	33.3	-33.3
33		<u> </u>	<del></del>	T .			<del></del>
Port/Export of NER     35	NAGURI-BONGAIGAON	D/C	0	1518	0.0	8.9	-9
Port/Export of NER     35	LIPURDUAR-BONGAIGAON	D/C	0	1246	0.0	3.3 2.1	-3
Name	LIPURDUAR-SALAKATI	D/C	0	0 ER-NER	0.0 <b>0.0</b>	14.3	-14.3
Name	ER (With NR)			ER-14ER	0.0	14.3	-14.3
36	SWANATH CHARIALI-AGRA	-	0	701	0.0	17.0	-17.0
36			<u> </u>	NER-NR	0.0	17.0	-17.0
37	R (With NR)						
38 APL - 39 765 KV GWA 40 40 FHAC 41 ZERD 42 400 KV ZERD 43 V'CH 44 RAPP 45 BADC 46 BADC 47 BADC MEHC 48 MALA 49 132KV GWA   Port/Export of WR ( 50 HVDC BHAI 51 LINK BARS 52 765 KV 53 SOLA 54 400 KV KOLF 55 KOLF 56 220 KV PONE	HAMPA-KURUKSHETRA	D/C	0	3000	0.0	69.9	-69.9
39	CHAL B/B	D/C	300	100	3.1	0.6	2.5
765 KV	PL -MHG	D/C	0	2519	0.0	53.1	-53.1
41	WALIOR-AGRA IAGI-GWALIOR	D/C D/C	0	2866 1290	0.0	54.4 24.2	-54.4 -24.2
42 43 400 KV V'CH RAPP 45 46 47 48 49 132KV GWA   PORT/Export of WR ( 50 HVDC 51 LINK BARS 52 765 KV 53 400 KV KOLF 55 220 KV KOLF 55 KOLF 56 220 KV	ERDA-KANKROLI	S/C	158	43	1.0	0.0	1.0
43 400 KV V'CH. 44 RAPP 45 BADO 46 BADO 47 BADO MEHO 48 MALA 49 132KV GWA   port/Export of WR ( 50 HVDC BHAD 51 LINK BARS 52 765 KV WAR 54 400 KV KOLH 55 KOLH 55 KOLH 56 220 KV POND	ERDA-RANKKOLI ERDA -BHINMAL	S/C	60	184	0.0	0.6	-0.6
44 RAPP 45 BADG 46 BADG 47 BADG MEHG 48 MALA 49 132KV GWA  port/Export of WR ( 50 HVDC BHAI 51 LINK BARS 52 765 KV 53 SOLA WAR 54 400 KV KOLH 55 KOLH 55 KOLH 56 220 KV PONE	CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
45 46 47 48 220 KV MEHO MALA 49 132KV GWA   port/Export of WR ( 50 HVDC BHAI 51 LINK BARS 52 765 KV 53 54 400 KV KOLH 55 56 220 KV PONE	APP-SHUJALPUR	D/C	0	331	0	3	-3
220 KV   MEHO   MALA   48	ADOD-KOTA	S/C	43	49	0.3	0.3	0.0
47 MEHO 48 MALA 49 132KV GWA  port/Export of WR ( 50 HVDC BHAI 51 LINK BARS 52 765 KV WAR 54 400 KV KOLH 55 KOLH 56 220 KV PONE	ADOD-MORAK	S/C	18	66	0.0	0.6	-0.5
132KV   GWA	EHGAON-AURAIYA	S/C	75	0	0.8	0.0	0.8
port/Export of WR (           50         HVDC BHAI           51         LINK BARS           52         765 KV WAR           54         400 KV KOLH           55         KOLH           56         220 KV PONE	ALANPUR-AURAIYA	S/C	31	11	0.0	0.0	0.0
50 HVDC BHAI 51 LINK BARS 52 765 KV WAR 54 400 KV KOLF 55 KOLF 56 220 KV PONE	WALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
50 HVDC BHAI 51 LINK BARS 52 765 KV WAR 54 400 KV KOLF 55 KOLF 56 220 KV PONE	D (With SD)			WR-NR	5.3	206.5	-201.3
51         LINK         BARS           52         765 KV         SOLA           53         WAR           54         400 KV         KOLH           55         KOLH           56         220 KV         PONE	K (With SK) Hadrawati B/B	_	500	300	1.1	6.3	-5.3
52 765 KV SOLA WAR: 54 400 KV KOLH 55 KOLH 56 220 KV PONE	ARSUR-L.SILERU	<del>-</del>	0	0	0.0	0.0	0.0
53 <b>765 KV</b> WAR: 54 <b>400 KV</b> KOLH 55 KOLH 56 <b>220 KV</b> PONE	DLAPUR-RAICHUR	D/C	1181	482	1181.0	0.0	1181.0
54 <b>400 KV</b> KOLF 55 KOLF 56 <b>220 KV</b> PONE	ARDHA-NIZAMABAD	D/C	0	1367	0.0	18.4	-18.4
56 <b>220 KV</b> PONE	DLHAPUR-KUDGI	D/C	849	0	15.1	0.0	15.1
<del></del>	OLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
57 XELD	NDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
	ELDEM-AMBEWADI	S/C	73	0	2.0	0.0	2.0
				WR-SR	1199.2	24.7	1174.4
	TRA	ANSNATI	ONAL EX	CHANGE			
	HUTAN EPAL						3