

## 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: 10<sup>th</sup> Jan 2018

To,

- 1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता 700033 Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 General Manager, 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 09.01.2018.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-जनवरी - 2018 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 9<sup>th</sup> January 2018, is available at the NLDC website.

धन्यवाद,

## पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्टीय भार प्रेषण केंद्र. नई दिल्ली

Report for previous	s day					Date of Reporting	10-Jan-18
A. Maximum Dema	and						
		NR	WR	SR	ER	NER	Total
Demand Met durin hrs(MW) (at 1900 h		44544	45712	39621	18414	2416	150708
Peak Shortage (MV	V)	550	28	0	0	46	623
Energy Met (MU)		945	1053	913	350	42	3304
Hydro Gen(MU)		107	23	48	26	9	213
Wind Gen(MU)		8	56	41			105
Solar Gen (MU)*		2.56	14.62	37.09	0.72	0.02	55
Energy Shortage (MU)		12.5	0.0	0.3	0.0	0.4	13.2
Maximum Demand (MW) (from NLDC	Met during the day SCADA)	46725	50387	42902	18533	2409	155102
B. Frequency Profile	: (%)						
Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.037	0.00	0.20	5.95	6.15	81.02	12.84

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	5718	0	108.2	16.8	0.1	128	0.0
	Haryana	6753	0	128.5	63.3	1.3	220	0.1
	Rajasthan	10863	0	211.5	69.7	1.9	327	0.0
	Delhi	4124	0	68.9	51.4	-0.9	201	0.0
NR	UP	13848	190	310.5	112.9	2.0	711	1.1
	Uttarakhand	2137	0	39.2	28.6	0.8	210	0.1
	HP	1541	0	27.6	22.5	0.7	171	0.0
	J&K	2198	550	47.1	43.3	-0.4	95	11.1
	Chandigarh	235	0	3.8	3.9	-0.1	15	0.0
	Chhattisgarh	3344	0	73.4	7.9	-0.7	286	0.0
	Gujarat	14174	10	299.4	95.5	0.0	525	0.0
	MP	12105	0	227.1	130.5	-2.5	345	0.0
WR	Maharashtra	20014	0	409.3	130.7	2.3	422	0.0
WK	Goa	436	0	9.2	8.5	0.2	48	0.0
	DD	326	0	7.2	6.8	0.5	82	0.0
	DNH	735	0	17.6	16.6	1.0	96	0.0
	Essar steel	487	0	9.9	9.7	0.2	155	0.0
	Andhra Pradesh	8288	0	165.2	48.2	3.0	293	0.1
	Telangana	9307	0	179.7	80.3	-1.9	356	0.1
SR	Karnataka	9657	0	204.7	87.5	1.1	280	0.0
3K	Kerala	3438	0	64.7	51.7	0.5	422	0.1
	Tamil Nadu	14245	0	292.5	151.2	3.8	25	0.0
	Pondy	317	0	6.3	7.0	-0.7	0	0.0
	Bihar	4297	0	73.9	70.0	-2.4	200	0.0
	DVC	2967	0	70.8	-26.7	-1.3	220	0.0
ER	Jharkhand	1188	0	24.5	14.3	0.1	45	0.0
EN	Odisha	3942	0	67.7	22.9	1.8	225	0.0
	West Bengal	6504	0	111.5	14.9	1.1	220	0.0
	Sikkim	120	0	1.6	1.6	0.0	10	0.0
	Arunachal Pradesh	130	1	2.2	2.0	0.1	56	0.0
	Assam	1418	35	23.6	19.8	1.3	172	0.3
	Manipur	186	2	2.7	2.9	-0.1	23	0.0
NER	Meghalaya	318	0	6.4	3.9	-0.3	45	0.0
	Mizoram	90	1	1.8	1.0	0.1	26	0.0
	Nagaland	127	2	2.1	1.9	0.0	21	0.0
	Tripura	230	0	3.4	1.8	-0.1	29	0.0

D. Transnational Exchanges (MU) - Import(	ansnational Exchanges (MU) - Import(+ve)/Export(-ve)							
	Bhutan	Nepal	Bangladesh					
Actual(MU)	1.7	-10.2	-11.4					
Day peak (MW)	152.3	-296.4	-606.2					

Schedule(MU)	183.8	-227.6	108.6			
A . TOWNERS		-227.0	100.0	-67.9	1.8	-1.3
Actual(MU)	182.8	-232.1	102.0	-63.0	2.0	-8.4
O/D/U/D(MU)	-1.0	-4.5	-6.6	4.9	0.2	-7.1

	1414	** 1	510	EIX	141514	1 Otal
Central Sector	4104	12769	5782	1720	290	24665
State Sector	8250	17155	5104	4155	50	34714
Total	12354	29924	10886	5875	339	59379
G. Sourcewise generation (MU)	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	590	1160	564	406	10	2730
Hydro	107	22	48	26	9	211
Nuclear	29	24	64	0	0	117
Gas, Naptha & Diesel	28	41	18	0	24	111
RES (Wind, Solar, Biomass & Others)	35	71	124	2	0	232

<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 राज्यों के मुख्य सचिव/ऊर्जा सचिव

/Export =(-w for NET (MU							Date of I	Date of Reporting :		
No.   Value   Line beals						1			Import=(+ve) /Export =(-ve) for NET (MU)	
1	Sl No	Level		Circuit	Import	Max Export (MW)	Import (MU)	-		
SANSAMAPERIPHER	mport/E	export of		D/C	0	322	0.0	7.0	7.0	
A	2	765KV		_						
S.   MARTER   S.   C.   0		1								
S		HVDC		-						
Table										
Name		ł		_						
90   00   00   00   00   00   00   00		1								
MOTHLARE GORAKHIPUR   D.C.   0		400 KV								
12	10	1	BIHARSHARIFF-BALIA	_ `						
13	11	]	MOTIHARI-GORAKHPUR	D/C	0	0	3.1	0.0	3.1	
14	12		BIHARSHARIFF-VARANASI	D/C	0	316	0.0	0.1	-0.1	
15		220 KV								
Table		132 KV								
Part		1								
Section   Part   Part	17		KAKWANASA-CHANDAULI	3/C	U					
Pick	nport/E	export of	ER (With WR)			·				
19	18	765 VV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	212	6.3	0.0	6.3	
Mark   Harright   Harright   Mark	19	765 KV		D/C	0	200	4.5	0.0	4.5	
21		400 1 77								
23   220 K	21	400 KV			0	0	4.3	0.0	4.3	
BIDDIH PADAR-KORBA		220 KV	BUDHIPADAR-RAIGARH	S/C		107	0.0	0.8	-0.8	
POPUTEX-POPUT OF ER (With SR)   24   76 KV   ANGUL-SRIKARULAM   D.C.   0.0   0.0   0.0   0.0   21.9   -21.9   25   HYDG   BYPONEG GAZUMAKA BB   D.C.   0.0   347.1   0.0   0.0   20.7   -20.7   27   400 KV   TALCHER-KOLAR BIPOLE   D.C.   0.0   11907.5   0.0   0.0   0.0   28   220 KV   BALIMELA-UPPER-SILERRU   S.C.   0.0   0.0   0.0   0.0   0.0   29   200 KV   BALIMELA-UPPER-SILERRU   S.C.   0.0   0.0   0.0   0.0   0.0   29   400 KV   TALCHER-IC   D.C.   0.0   1093.5   0.0   17.5   17.5   ERSR   0.0   56.0   56.0   29   400 KV   BINAGURI-BONGAIGAON   D.C.   0.0   871   0.0   6.8   7.7   30   31   220 KV   ALIPURDAR-SALAKATI   D.C.   0.0   871   0.0   6.8   7.7   31   220 KV   ALIPURDAR-SALAKATI   D.C.   0.0   601   0.0   2.7   7.3   32   HYDC   BISWANATH CHARIALI-AGRA   7   0   601   0.0   14.8   14.8   33   HYDC   BISWANATH CHARIALI-AGRA   7   0   601   0.0   14.8   14.8   34   HYDC   BISWANATH CHARIALI-AGRA   D.C.   0   1371   0.0   47.4   47.4   34   HYDC   ALIPURA BAR ALIPUR   D.C.   0   250   22.4   1.4   1.0   35   ALIPUR BAR ALIPUR   D.C.   0   1814   0.0   29.6   29.6   36   76 KV   ALIPUR BAR ALIPUR   D.C.   0   1814   0.0   29.6   29.6   37   76 KV   GWALLOR ALIPUR   D.C.   0   2336   0.0   54.0   54.0   38   ALIPUR BAR ALIPUR   D.C.   0   236   0.0   54.0   54.0   39   400 KV   ALIPUR BAR ALIPUR   D.C.   0   236   0.0   54.0   54.0   41   41   42   43   44   44   44   44   42   43   44   44   44   44   44   44	23	220 111	BUDHIPADAR-KORBA	D/C	0					
24			ED (With CD)			ER-WR	20.0	0.8	19.2	
STATE   STA	•	-		D/C	0.0	0.0	0.0	21.0	21.0	
1										
27										
28										
Property   Fig.   Fig	28									
29				1		ER-SR	0.0	56.0	-56.0	
30   30   30   30   30   30   30   30	nport/E	export of	ER (With NER)				•	•	•	
ALIPURDUAR-BONGAIGAON   DC   0   871   0.0   6.8   -7	29	400 KV	BINAGURI-BONGAIGAON	D/C	0	1082	0.0	7.5	-8	
Band										
Note	31	220 KV	ALIPURDUAR-SALAKATI	D/C	0					
Name	nnort/E	Export of	NED (With ND)			ER-NEK	0.0	17.0	-17.0	
NER-NR   0.0   14.8   -14.8	•				0	601	0.0	14.8	1/1 8	
Note   Part	32	HVDC	BISWANATH CHARIALI-AGRA		U					
Hypo	nport/E	Export of	WR (With NR)				0.0	1.10	1.10	
HVDC	_			D/C	0	1371	0.0	47.4	-47.4	
APL-MHG		HVDC								
765 KV   PHAGI-GWALIOR   D/C   0   482   0.0   25.9   -25.9   -25.9   38   39   400 KV   ZERDA-BHINMAL   S/C   206   0   2.8   0.0   0.2   2.8   2ERDA-KANKROLI   S/C   206   0   485   22.0   0.0   0.2   2.0   2.8   2.0   0.0   0.2   2.0   2.8   2.0   0.0   0.2   2.0	35	<u>L</u>		D/C	0	1814	0.0	29.6	-29.6	
PHAGI-GWALIOR	36	765 KV		D/C	0	2936	0.0	54.0	-54.0	
A00 KV		705 RV								
400 KV   VCHAL-RIHAND   S/C   0   485   22.0   0.0   22.0		1								
Vehal_rihand   Veha		400 KV								
BADOD-KOTA   S/C   91   0   1.1   0.0   1.1										
BADOD-MORAK		-		_						
Mai		1								
MALANPUR-AURAIYA		220 KV								
132KV   GWALIOR-SAWAI MADHOPUR   S/C   0   0   0.0   0.0   0.0   0.0     WR-NR   30.2   160.4   -130.2     Myr-Nr   400.4   Myr-Nr     Myr-Nr   47   HVDC   HADRAWATI B/B   - 0   1000   0.0   19.8   -19.8     BADRAWATI B/B   - 0   1000   0.0   0.0   0.0     BASUR-L-SILERU   - 0   0   0.0   0.0   0.0     SOLAPUR-RAICHUR   D/C   0   1509   0.0   24.9   -24.9     WARDHA-NIZAMABAD   D/C   0   2453   0.0   43.2   -43.2     Myr-Nr   400 KV   KOLHAPUR-KUDGI   D/C   387   0   3.3   0.0   3.3     Myr-Nr   400 KV   KOLHAPUR-CHIKODI   D/C   0   0   0.0   0.0     Myr-Nr   400 KV   400 KV   400 KV   400 KV     Myr-Nr   400 KV   400 KV   400 KV   400 KV     Myr-Nr   400	++	1		_						
WR-NR   30.2   160.4   -130.2	4.5	132KV								
HVDC   LINK   BHADRAWATI B/B   - 0   1000   0.0   19.8   -19.8   BABSUR-LSILERU   - 0   0   0.					•					
AS   LINK   BARSUR-L.SILERU   - 0 0 0 0.0 0.0 0.0										
49   765 KV   SOLAPUR-RAICHUR   D/C   0   1509   0.0   24.9   -24.9	46	export of	WR (With SR)		0					
TRANSNATIONAL EXCHANGE   50   2453   0.0   43.2   -4	46 nport/E 47	HVDC	BHADRAWATI B/B	-			0.0	0.0		
WARDHA-NIZAMBAD  D/C 0 2453 0.0 43.2 -43.2	46 nport/E 47 48	HVDC	BHADRAWATI B/B BARSUR-L.SILERU							
S2   KOLHAPUR-CHIKODI   D/C   0   0   0.	46 nport/E 47 48 49	HVDC LINK	BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	- D/C	0	1509	0.0	24.9		
53   220 KV	46 aport/E 47 48 49 50	HVDC LINK 765 KV	BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	D/C	0	1509 2453	0.0	24.9 43.2	-43.2	
54         XELDEM-AMBEWADI         S/C         73         0         1.5         0.0         1.5           WR-SR         4.9         87.9         -83.0           TRANSNATIONAL EXCHANGE           55         BHUTAN	46 aport/E 47 48 49 50 51	HVDC LINK 765 KV	BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	D/C D/C D/C	0 0 387	1509 2453 0	0.0 0.0 3.3	24.9 43.2 0.0	-43.2 3.3	
WR-SR 4.9 87.9 -83.0  TRANSNATIONAL EXCHANGE  55 BHUTAN	46 47 48 49 50 51 52	HVDC LINK 765 KV 400 KV	BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	- D/C D/C D/C D/C	0 0 387 0	1509 2453 0	0.0 0.0 3.3 0.0	24.9 43.2 0.0 0.0	-43.2 3.3 0.0	
TRANSNATIONAL EXCHANGE  55 BHUTAN	46 47 48 49 50 51 52 53	HVDC LINK 765 KV 400 KV	BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	- D/C D/C D/C D/C S/C	0 0 387 0	1509 2453 0 0 0	0.0 0.0 3.3 0.0 0.0	24.9 43.2 0.0 0.0 0.0	-43.2 3.3 0.0 0.0	
55 BHUTAN	46 47 48 49 50 51 52 53	HVDC LINK 765 KV 400 KV	BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	- D/C D/C D/C D/C S/C	0 0 387 0	1509 2453 0 0 0 0	0.0 0.0 3.3 0.0 0.0 1.5	24.9 43.2 0.0 0.0 0.0 0.0	-43.2 3.3 0.0 0.0 1.5	
56 NEPAL	46 47 48 49 50 51 52 53	HVDC LINK 765 KV 400 KV	BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	- D/C D/C D/C D/C S/C S/C	0 0 387 0 0 73	1509 2453 0 0 0 0 0 WR-SR	0.0 0.0 3.3 0.0 0.0 1.5	24.9 43.2 0.0 0.0 0.0 0.0	-43.2 3.3 0.0 0.0 1.5	
JO I INDIANA	46 47 48 49 50 51 52 53 54	HVDC LINK 765 KV 400 KV	BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	- D/C D/C D/C D/C S/C S/C	0 0 387 0 0 73	1509 2453 0 0 0 0 0 WR-SR	0.0 0.0 3.3 0.0 0.0 1.5	24.9 43.2 0.0 0.0 0.0 0.0	-43.2 3.3 0.0 0.0 1.5	