

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, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 10th Jun 2020

To,

- 1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, 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. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 09.06.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-जून-2020 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 09th Jun 2020, is available at the NLDC website.

धन्यवाद,

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



Date of Reporting: Report for previous day
A. Power Supply Position at All India and Regional level 10-Jun-2020 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)
Peak Shortage (MW) 52433 37011 498 0 101 599 Energy Met (MU) 997 931 452 1188 3618 51 Hydro Gen (MU) 337 118 623 Wind Gen (MU) Solar Gen (MU)* Energy Shortage (MU) 159 78.54 0.0 236 152 9.9 0.03 0.0 0.0 0.6 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 56137 44241 44431 21650 158433 Time Of Maximum Demand Met (From NLDC SCADA) 22:08 14:56 16:29 23:35 19:41 22:18 B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 0.058 13.90 0.46 10.72

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		dav(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	8069	0	178.4	130.0	-0.9	316	0.0
	Haryana	7154	353	151.9	134.3	0.8	543	0.2
	Rajasthan	11006	0	237.0	79.7	3.0	604	0.0
	Delhi	5095	0	97.5	86.8	-1.7	158	0.0
NR	UP	21075	0	415.2	208.9	-0.3	570	0.0
	Uttarakhand	1785	0	39.1	19.0	0.7	216	0.0
	HP	1297	0	26.3	0.0	-1.2	65	0.0
	J&K(UT) & Ladakh(UT)	2105	526	38.0	15.9	-0.9	27	9.1
	Chandigarh	262	0	5.0	5.1	0.0	48	0.0
	Chhattisgarh	3493	0	80.5	28.8	-1.7	508	0.0
	Gujarat	13087	0	279.5	61.4	1.8	559	0.0
	MP	8291	0	187.0	97.2	-0.9	724	0.0
WR	Maharashtra	18790	0	405.9	136.2	3.6	1310	0.0
	Goa	452	0	9.4	8.7	0.2	57	0.0
	DD	243	0	5.3	4.9	0.4	35	0.0
	DNH	523	0	11.5	11.2	0.3	50	0.0
	AMNSIL	835	0	17.7	1.4	0.3	248	0.0
	Andhra Pradesh	9237	0	178.8	53.5	0.4	509	0.0
	Telangana	8081	0	165.6	89.4	1.4	638	0.0
SR	Karnataka	10506	0	196.2	71.8	0.5	879	0.0
	Kerala	3299	0	67.9	49.8	-0.1	182	0.0
	Tamil Nadu	13722	0	314.5	129.9	-1.5	489	0.0
	Puducherry	374	0	7.9	8.1	-0.2	39	0.0
	Bihar	5703	0	110.9	103.6	1.0	265	0.0
	DVC	3031	0	61.7	-44.3	-3.2	255	0.0
	Jharkhand	1396	0	27.7	20.4	-1.5	170	0.0
ER	Odisha	3993	0	82.9	4.2	-0.8	345	0.0
	West Bengal	8183	0	167.1	53.0	1.1	495	0.0
	Sikkim	89	0	1.3	1.4	-0.1	10	0.0
	Arunachal Pradesh	102	1	1.7	1.6	0.2	45	0.0
	Assam	1754	57	32.2	27.1	0.3	161	0.6
	Manipur	192	0	2.4	2.4	0.1	28	0.0
NER	Meghalaya	313	0	5.4	0.0	0.0	78	0.0
	Mizoram	93	0	1.7	1.2	0.3	16	0.0
	Nagaland	123	1	2.2	2.3	-0.2	12	0.0
	Tripura	289	8	4.9	5.5	0.3	89	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	37.6	-1.5	-25.3
Day Peak (MW)	1606.7	-23.9	-1122.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	270.0	-265.2	123.2	-127.9	-0.2	0.0
Actual(MU)	268.7	-263.2	124.3	-133.7	-0.4	-4.2
O/D/U/D(MU)	-1.3	2.0	1.2	-5.8	-0.3	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	4425	18123	12322	2220	407	37497
State Sector	14135	23305	14398	4482	11	56331
Total	18560	41428	26720	6702	418	93828

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	428	980	350	494	11	2262
Lignite	28	11	41	0	0	80
Hydro	337	68	81	118	19	623
Nuclear	28	36	47	0	0	112
Gas, Naptha & Diesel	35	85	16	0	27	164
RES (Wind, Solar, Biomass & Others)	83	91	279	5	0	458
Total	939	1271	815	616	57	3698
Share of RES in total generation (%)	8.83	7.17	34.28	0.79	0.05	12.39
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	47.60	15 35	50.05	10 01	33.66	32.25

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.068
Based on State Max Demands	1.099
Diversity factor = Sum of regional or state maximum demands / All India max	imum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 10-Jun-2020

Silvortequent of EN (WB) ND Export (MU) Max Export (MW) Import (MU) Export (MU)	NET (MU) -12.2 -9.5 -7.3 -7.3 -6.2 -3.1 -13.2 -15.7 -5.9 -0.6 -2.6 -0.0 -2.6 -0.0 -2.6 -0.0 -2.6 -0.0 -2.6 -0.0 -2.6 -0.0 -2.6 -0.0 -2.6 -2.6 -2.6 -2.6 -2.6 -2.6 -2.6 -2.6
	-9.5 -7.3 -0.5 -8.3 -6.2 -3.1 -13.2 -15.7 -5.2 -5.9 -0.6 -2.6 -0.0 -0.0 -0.0 -88.8 -10.5 -15.1 -2.2 -1.6 -4.3 -0.5 -2.9 -28.4 -8.7 -43.5 -47.8 -10.0 -0.0 -100.0 -100.0
2 IVDC PESAULER SC 0 397 0.0 9.5	-9.5 -7.3 -0.5 -8.3 -6.2 -3.1 -13.2 -15.7 -5.2 -5.9 -0.6 -2.6 -0.0 -0.0 -0.0 -88.8 -10.5 -15.1 -2.2 -1.6 -4.3 -0.5 -2.9 -28.4 -8.7 -43.5 -47.8 -10.0 -0.0 -100.0 -100.0
3	7.3 0.5 -8.3 -6.2 -3.1 -13.2 -15.7 -5.2 -5.9 -0.6 -2.6 -0.0 -0.5 -0.0 -0.0 -88.8 -10.5 -1.6 -2.2 -1.6 -2.2 -1.6 -2.3 -1.6 -2.3 -1.6 -2.3 -1.6 -2.3 -0.5 -2.9 -2.8 -4.3 -0.5 -2.9 -2.8 -4.3 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
4 765 kV GAYABALIA SC 211 126 0.5 0.0	0.5 -8.3 -6.2 -3.1 -13.2 -15.7 -5.2 -5.9 -0.6 -2.6 -0.0 -0.5 -0.0 -0.5 -0.0 -10.5 -10.5 -10.6 -10.6 -10.6 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0 -10.0
6	-6.2 -3.1 -13.2 -15.7 -5.2 -5.9 -0.6 -2.6 -0.0 -0.5 -0.0 -0.8 -88.8 -10.5 -15.1 -2.2 -1.6 -4.3 -0.5 -2.9 -28.4 -8.7 -43.5 -47.8 -10.0 -100.0 -5.3 -6.7
7	-3.1 -13.2 -15.7 -5.2 -5.9 -0.6 -2.6 -0.0 -0.5 -0.0 -0.0 -88.8 -10.5 -1.6 -1
8 400 kV MIZAFFARPUR-CORAKHPUR D/C 0 1186 0.0 13.2 9 400 kV PATNA-BALIA D/C 0 460 0.0 5.7 10 400 kV BHASSHARFF-BALIA D/C 0 460 0.0 5.2 11 400 kV MOTHARGORAKHPUR D/C 0 461 0.0 0.5 12 400 kV RIBARSHARFF-RALIA D/C 0 463 0.0 5.9 11 400 kV MOTHARGORAKHPUR D/C 0 413 0.0 0.6 12 400 kV BHASSHARFF-VARANASI D/C 142 149 0.0 0.6 13 220 kV PUSAULARHERI S/C 0 0 0.0 0.6 14 220 kV PUSAULARHERI S/C 0 0 0.5 0.0 15 132 kV GARWAHERHAND S/C 30 0 0.5 0.0 15 132 kV GARWAHERHAND S/C 30 0 0.5 0.0 16 132 kV KARMANASA-SAHUPUR S/C 0 0 0.0 0.0 17 132 kV KARMANASA-SAHUPUR S/C 0 0 0.0 0.0 18 19 19 19 19 19 19 19	-13.2 -15.7 -5.2 -5.9 -0.6 -2.6 -0.0 -0.5 -0.0 -88.8 -10.5 -1.6 -1.6 -1.6 -2.2 -1.6 -1.5 -2.2 -1.6 -2.3 -0.5 -0.5 -0.0 -0
9 400 kV PATRA-BALIA	-15.7 -5.2 -5.9 -0.6 -2.6 -0.0 -0.5 -0.0 -0.0 -88.8 -10.5 -15.1 -2.2 -1.6 -4.3 -0.5 -2.9 -28.4 -8.7 -43.5 -47.8 -10.0 -100.0 -5.3 -6.7
11 400 kV MOTHARI-GORAKHPUR D/C 0 643 0.0 5.9 12 400 kV BHARSKARBEF -VARANASI D/C 142 149 0.0 0.6 13 120 kV BHARSKARBEF -VARANASI D/C 30 180 0.0 2.6 14 131 kV SONE MAGARRHAND S/C 30 0 0.5 0.0 15 131 kV SONE MAGARRHAND S/C 30 0 0.5 0.0 16 132 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 17 131 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 17 131 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 17 131 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 18 132 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 19 132 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 19 132 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 19 132 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 10 132 kV KARMANASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 10 132 kV NEW RANGHARASA-SAHLPUR S/C 0 0 0.0 0.0 0.0 10 13 765 kV JHARSUGUDA-RAGARH Q/C 62 228 0.0 1.6 0.0 12 4 400 kV JHARSUGUDA-RAGARH Q/C 62 228 0.0 1.6 0.0 15 400 kV RANCHI-SIPAT D/C 446 0 4.3 0.0 0.0 16 220 kV BUDHPADAR-KAGARH S/C 11 57 0.0 0.5 0.0 19 14 15 15 15 15 15 15 15	-5.9 -0.6 -2.6 -0.0 -0.5 -0.0 -0.0 -0.0 -88.8 -0.0 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
12 400 kV BHARSHARIFF VARANASI D/C 142 149 0.0 0.6 6.6 13 220 kV PUSAULESARIPURI S/C 30 180 0.0 2.6 14 132 kV SONE NAGAR RHAND S/C 0 0 0.0 0.0 0.0 15 132 kV GARWAR RHAND S/C 0 0 0.0 0.0 0.0 16 132 kV GARWAR RHAND S/C 0 0 0 0.0 0.0 0.0 17 132 kV KARMANASA-SAHIPURI S/C 0 0 0 0.0 0.0 0.0 17 132 kV KARMANASA-SAHIPURI S/C 0 0 0 0.0 0.0 0.0 18 17 132 kV KARMANASA-CHANDAULI S/C 0 0 0 0.0 0.0 0.0 17 132 kV KARMANASA-CHANDAULI S/C 0 0 0 0.0 0.0 0.0 18 17 18 18 18 18 18 18	-0.6 -2.6 -0.0 -0.5 -0.0 -0.0 -0.5 -0.0 -88.8 -10.5 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
13 220 kV PUSAULSAHPURI	-2.6 0.0 0.5 0.0 0.5 0.0 -88.8 10.5 15.1 -2.2 -1.6 4.3 -0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 -10
14 132 kV SONE NAGAR RHIAND	0.0 0.5 0.0 0.0 0.0 -88.8 10.5 15.1 -2.2 -1.6 4.3 -0.5 2.9 28.4 -43.5 -47.8 -10.0 -100.0 -100.0
15 132 kV GARWAH-RIHAND	0.5 0.0 0.0 -88.8 10.5 15.1 -2.2 -1.6 4.3 -0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 -100.0
17 132 KV KARMANASA-CHANDAULI	0.0 -88.8 10.5 15.1 -2.2 -1.6 4.3 -0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 -100.0
Total Color	-88.8 10.5 15.1 -2.2 -1.6 4.3 -0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 -100.0 -5.3 -6.7
Import/Export of ER (With WB) 1	10.5 15.1 -2.2 -1.6 4.3 -0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 0.0 -100.0
1 765 kV JHARSUGUDA-DHARAMJAIGARH D/C 1123 0 15.1 0.0	15.1 -2.2 -1.6 4.3 -0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 -100.0 -5.3 -6.7
3 765 kV JHARSUGUDA-DURG	-2.2 -1.6 -4.3 -0.5 -2.9 -28.4 -43.5 -47.8 -10.0 -100.0 -5.3 -6.7
3 765 kV	-2.2 -1.6 -4.3 -0.5 -2.9 -28.4 -43.5 -47.8 -10.0 -100.0 -5.3 -6.7
4 400 kV	-1.6 4.3 -0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 -100.0 -5.3 -6.7
S 400 kV RANCHI-SIPAT D/C 446 0 4.3 0.0	4.3 -0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 0.0 -100.0 -5.3 -6.7
6 220 kV BUDHIPADAR-RAIGARH S/C 11 57 0.0 0.5 7 220 kV BUDHIPADAR-KORBA D/C 336 0 2.9 0.0 ER-WR 32.8 4.4 Import/Export of ER (With SR) 1 HVDC JEYPORE-GAZUWAK A B/B D/C 0 760 0.0 8.7 2 HVDC TALCHER-KOLAR BIPOLE D/C 0 2500 0.0 43.5 3 765 kV ANGUL-SRIKAKULAM D/C 0 4179 0.0 42.8 4 400 kV TALCHER-C D/C D/C 0 62.5 0.0 10.0 5 220 kV BALIMELA-UPPER-SILERRU S/C 1 0 0.0 0.0 Import/Export of ER (With NER) 1 HVDC With NAGURI-BONGAIGAON D/C 0 458 0.0 10.0 2 400 kV ALIPURDUAR-BONGAIGAON D/C 0 458 0.0 6.7 3 220 kV ALIPURDUAR-BONGAIGAON D/C 0 458 0.0 6.7 3 120 kV ALIPURDUAR-SALAKATI D/C 0 166 0.0 2.0 Import/Export of NER (With NR) 1 HVDC BISWANATH CHARIALI-AGRA - 0 704 0.0 16.9 Import/Export of WR (With NR) 1 HVDC CHAMPA-KURUKSHETRA D/C 0 2261 0.0 2261 0.0 13.9 Import/Export of WR (With NR) 1 HVDC CHAMPA-KURUKSHETRA D/C 0 2261 0.0 22.0 3 HVDC APL-MHG D/C 0 1265 0.0 43.1 4 765 kV GWALIOR-AGRA D/C 0 1252 0.0 44.5 5 765 kV PHAGE-GWALIOR D/C 0 1252 0.0 43.1 8 C 0 1261 0.0 23.7 2 HVDC YCHAL B/B D/C 0 2261 0.0 23.7 3 HVDC APL-MHG D/C 0 1252 0.0 43.1 4 765 kV GWALIOR-AGRA D/C 0 1252 0.0 24.0 6 765 kV GWALIOR-AGRA D/C 0 1252 0.0 24.0 6 765 kV GWALIOR-AGRA D/C 0 1252 0.0 24.0 8 765 kV GWALIOR-AGRA D/C 0 1252 0.0 24.0 8 765 kV GWALIOR-AGRA D/C 0 1252 0.0 24.0 8 765 kV GWALIOR-AGRA D/C 0 1252 0.0 24.0 1 4 00 kV ZERDA-KANROLI S/C 0 142.3 0.0 29.7 1 4 00 kV RAPP-SHUALAPUR D/C 0 142.3 0.0 29.7 1 4 00 kV RAPP-SHUALAPUR D/C 0 40 14.3 0.0 4.9 1 1 0 0 0 0.0 0.0 0.0 1 1 400 kV RAPP-SHUALAPUR D/C 0 40 12.0 0.0 3.7 1 1 0 0 0 0.0 0.0 0.0 1 2 20 kV BIBANPUR-ABNROLI S/C 0 40 0.0 0.0 0.0 1 2 20 kV BIBANPUR-ABNROLI S/C 0 40 0.0 0.0 0.0 1 2 20 kV BIBANPUR-ABNROLI S/C 0 40 0.0 0.0 0.0 1 2 20 kV BIBANPUR-ABNROLI S/C 0 40 0.0 0.0 0.0 1 2 20 kV BIBANPUR-ABNROLI S/C 0 40 0.0 0.0 0.0 0.0 1 2 20 kV BIBANPUR-ABNROLI S/C 0 40 0.0 0.0 0.0 0.0 0.0 0.0 1 2 20 kV BIBANPUR-ABNROLI S/C 0 40 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	-0.5 2.9 28.4 -8.7 -43.5 -47.8 -10.0 0.0 -100.0 -5.3 -6.7
Total Content Total To	2.9 28.4 -8.7 -43.5 -47.8 -10.0 0.0 -100.0 -5.3 -6.7
Import/Export of ER (With SR)	28.4 -8.7 -43.5 -47.8 -10.0 0.0 -100.0 -5.3 -6.7
Import/Export of ER (With SR) 1	-8.7 -43.5 -47.8 -10.0 0.0 -100.0
A	-43.5 -47.8 -10.0 0.0 -100.0 -5.3 -6.7
3 765 kV ANGUL-SRIKAKULAM D/C 0 4179 0.0 47.8	-47.8 -10.0 0.0 -100.0 -5.3 -6.7
4 400 kV TALCHERJC D/C 0 625 0.0 10.0 5 220 kV BALMELA-UPPER-SILERRU S/C 1 0 0.0 0.0 6 100.0 100.0 6 100.0 100.0 6 100.0 100.0 6 100.0 100.0 6 100.0 100.0 6 100.0 100.0 7 100.0 100.0 7 100.0 100.0 8 100.0 100.0 8 100.0 100.0 8 100.0 100.0 8 100.0 100.0 8 100.0 100.0 8 100.0 100.0 8 100.0 100.0 9 100.0 100.0 100.0	-10.0 0.0 -100.0 -5.3 -6.7
S 220 kV BALMELA-UPPER-SHERRU S/C 1 0 0.0 0.0	0.0 -100.0 -5.3 -6.7
Import/Export of ER (With NER) 1 400 kV BINAGURI-BONGAIGAON D/C 0 499 0.0 5.3 2 4400 kV ALIPURBUAR-BONGAIGAON D/C 0 458 0.0 6.7 3 220 kV ALIPURBUAR-BONGAIGAON D/C 0 458 0.0 6.7 3 220 kV ALIPURBUAR-BONGAIGAON D/C 0 458 0.0 6.7 3 220 kV ALIPURBUAR-BONGAIGAON D/C 0 166 0.0 2.0	-100.0 -5.3 -6.7
Import/Export of ER (With NER)	-5.3 -6.7
2	-6.7
S	
Import/Export of NER (With NR)	-2.0
Import/Export of NER (With NR) 1	-13.9
NER-NR 0,0 16,9	10.0
Import/Export of WR (With NR) 1	-16.9
HVDC CHAMPA-KURUKSHETRA D/C 0 2261 0.0 23.7 2 HVDC V CHAL B/B D/C 298 0 7.3 0.0 3 HVDC APL -MHG D/C 0 1916 0.0 43.1 4 765 kV GWALIOR-AGRA D/C 0 2675 0.0 47.5 5 765 kV HAG-GWALIOR D/C 0 1252 0.0 24.0 6 765 kV JABALPUR-ORAI D/C 0 1020 0.0 37.6 7 765 kV JAWALIOR-ORAI B/C 462 0 9.1 0.0 8 765 kV SATNA-ORAI S/C 0 1423 0.0 29.7 9 765 kV SATNA-ORAI S/C 0 1433 0.0 29.7 10 400 kV ZERDA-KANKROLI S/C 99 70 0.6 0.0 11 400 kV ZERDA-KANKROLI S/C 873 0 0.6 0.0 12 400 kV V CHAL-RIHAND S/C 973 0 22.6 0.0 13 400 kV RAPP-SHUALPUR D/C 0 401 0.0 2.7 14 220 kV BHANPURR-MORAK S/C 0 80 0.0 3.7 16 220 kV BHANPURR-MORAK S/C 0 0.0 0.0 17 16 220 kV BHANPURR-MORAK S/C 0 0.0 0.0 18 C C C C C C C C C	-16.9
2	-23.7
3	7.3
5 765 kV PHAGI-GWALIOR D/C 0 1252 0.0 24.0 6 765 kV JABALPUR-ORAI D/C 0 1020 0.0 37.6 7 765 kV GWALIOR-ORAI S/C 462 0 9.1 0.0 8 765 kV SATNA-ORAI S/C 0 1423 0.0 29.7 9 765 kV SATNA-ORAI S/C 0 1423 0.0 49.7 10 400 kV ZERDA-BANASKANTHA D/C 231 643 0.0 4.9 11 400 kV ZERDA-BHINMAL S/C 99 70 0.6 0.0 12 400 kV V/CHAL-RIHAND S/C 193 0 22.6 0.0 13 400 kV V/CHAL-RIHAND S/C 0 401 0.0 2.7 14 220 kV BHANPURA-RANPUR S/C 0 80 0.0 3.7 15 220 kV BHANP	-43.1
6 765 kV JABALPIR-ORAI D/C 0 1020 0.0 37,6 7 765 kV GWALIOR-ORAI S/C 462 0 9.1 0.0 8 765 kV SATNA-ORAI S/C 0 1423 0.0 29.7 9 765 kV CHITORGARH-BANASKANTHA D/C 231 643 0.0 4.9 10 400 kV ZERDA-KANKROLI S/C 99 70 0.6 0.0 11 400 kV ZERDA-BHINMAL S/C 186 97 1.9 0.0 12 400 kV V'CHAL-RHAND S/C 973 0 22.6 0.0 13 400 kV APS-SHUJALPUR D/C 0 401 0.0 2.7 14 220 kV BHANPURA-RANPUR S/C 0 80 0.0 3.7 15 220 kV BHANPURA-MORAK S/C 0 80 0.0 0.0 16 220 kV <td< td=""><td>-47.5</td></td<>	-47.5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-24.0
8 765 kV SATNA-ORAI S/C 0 1423 0.0 29.7 9 765 kV CHITORGARH-BANASKANTHA D/C 231 643 0.0 4.9 10 400 kV ZERDA-KANKROLI S/C 99 70 0.6 0.0 11 400 kV ZERDA-BHINMAL S/C 186 97 1.9 0.0 12 400 kV V'CHAL-RHAND S/C 973 0 22.6 0.0 13 400 kV CHAL-RHAND S/C 973 0 22.6 0.0 13 400 kV RAPP-SHUALPUR D/C 0 401 0.0 2.7 14 220 kV BHANPURA-RANPUR S/C 0 80 0.0 3.7 15 220 kV BHANFURA-MORAK S/C 0 121 0.0 0.0 16 220 kV MEHGAON-AURAHYA S/C 163 0 0.0 0.0	-37.6 9.1
9 765 kV CHITORGARI-BANASKANTHA D/C 231 643 0.0 4.9	-29.7
11 400 kV ZERDA BHINMAL S/C 186 97 1.9 0.0 12 400 kV V'CHAL -RIHAND S/C 973 0 22.6 0.0 13 400 kV RAPP-SHUALPUR D/C 0 401 0.0 2.7 14 220 kV BHANPURA-RANPUR S/C 0 80 0.0 3.7 15 220 kV BHANPURA-MORAK S/C 0 121 0.0 0.0 16 220 kV MEHGAON-AURAIYA S/C 163 0 0.0	-4.9
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.6
13 400 kV RAPP-SHUJALPUR D/C 0 401 0.0 2.7 14 220 kV BHANPURA-RANPUR S/C 0 80 0.0 3.7 15 220 kV BHANPURA-MORAK S/C 0 121 0.0 0.0 16 220 kV MEHGAON-AURAIYA S/C 163 0 0.0 0.0	1.9
14 220 kV BHANPURA-RANPUR S/C 0 80 0.0 3,7 15 220 kV BHANPURA-MORAK S/C 0 121 0.0 0.0 16 220 kV MEHGAON-AURAHYA S/C 163 0 0.0 0.0	22.6 -2.7
15 220 kV BHANPURA-MORAK S/C 0 121 0.0 0.0 16 220 kV MEHGAON-AURAIYA S/C 163 0 0.0 0.0	-3.7
	0.0
1 7 1 220 kV MALANPUR-AURAIYA S/C 0 1 1 0 0 0 0 0 0	0.0
	0.0
18 132 kV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 19 132 kV RAJGHAT-LALITPUR D/C 0 0 0.0 0.0	0.0
WR-NR 41.5 216.9	-175.4
Import/Export of WR (With SR)	
1 HVDC BHADRAWATIB/B - 0 1012 0.0 18,3	-18.3
2 HVDC BARSUR-LSILERU - 0 0 0,0 0,0 1 3 HVDC HVDC-RHGARH-PUGALUR D/C 0 0 0,0 0,0 0,0	0.0
3 HVDC HVDC-RAIGARH-PUGALUR D/C 0 0.0 0.0 0.0 4 765 kV SOLAPUR-RAICHUR D/C 568 1551 1.2 17.0	0.0 -15.8
7 765 kV WARDHA-NIZAMABAD D/C 0 2065 0.0 33.4	-33.4
6 400 kV KOLHAPUR-KUDGI D/C 544 0 6.6 0.0	6.6
7 220 kV KOLHAPUR-CHIKODI D/C 0 0 0,0 0,0 0	0.0
8 220 kV PONDA-AMBEWADI S/C 1 0 0.0 0.0 9 220 kV XELDEM-AMBEWADI S/C 0 86 1.6 0.0	0.0 1.6
9 220 KV AELDEM-AMBEWADI S/C 0 00 1.0 0.	-59.2
INTERNATIONAL EXCHANGES	
	Energy Exchange
State Region Line Name Max (MW) Min (MW) Avg (MW)	(MII)
ER DAGACHU (2 * 63) 0 0 0	0.0
	3.0
ER CHUKA (4*84) BIRPARA RECEIPT 194 171 167	4.0
PHICTAN MANGDECHHU (4 x 180) 505 500 500	12.5
BHUTAN ER ALPURDUAR RECEIPT 585 582 568	13.6
ER TALA (6 * 170) BINAGURI RECEIPT 672 594 638	15.3
3,7 0,00	10.0
NER 132KV-SALAKATI - GELEPHU 0 0 38	0.9
130FU BANGU PROFESSIO	
NER 132KV-RANGIA - DEOTHANG 0 0 60	1.5
NR 132KV-Tanakpur(NH)21 0 -11	-0.3
Mahendranagar(PG) -21 0 -11	-0.3
NEPAL ER 132KV-BIHAR - NEPAL -93 -4 -38	0.0
220KV-MUZAFFARPUR -	-0.9
ER DHALKEBAR DC 96 2 -14	
ER Bheramara HVDC(Bangladesh) -954 -756 -906	-0.3
	-0.3
BANGLADESH NER 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 84 0 -75	
COMILLANGLANGLADESH -1 132KV-SURA IMANI NAGAR -	-0.3
NER (COMILLAGENI-2 84 0 -75	-0.3 -21.8