

## 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

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दिनांक: 22<sup>nd</sup> June 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

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.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 21.06.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-जून-2021 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 21<sup>th</sup> June 2021, is available at the NLDC website.

धन्यवाद.

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



Report for previous day A. Power Supply Position at All India and Regional level Date of Reporting: 22-Jun-2021 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) 57876 46232 41181 19749 2945 167983 Peak Shortage (MW) 1040 0 0 1041 Energy Met (MU) 1070 993 438 1313 54 3867 Hydro Gen (MU) 112 317 149 109.68 Wind Gen (MU) 15 145 309 Solar Gen (MU)\* 49.51 32.48 5.29 197 Energy Shortage (MU) 10.23 0.00 0.00 0.00 0.04 10.27 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 61317 46223 45525 20310 3099 170161 Time Of Maximum Demand Met (From NLDC SCADA) 23:16 15:54 11:44 22:04 19:06 11:45 B. Frequency Profile (%) Region All India < 49.9 25.18 FVI < 49.7 49.7 - 49.8 49.8 - 49.9 49.9 - 50.05 > 50.05 0.108 8.02 16.19 66.61 C. Power Supply Position in States Max.Demand Drawal Shortage during Energy Met Energy Region States Met during the Schedule Shortage maximum (MU) (MU) (MW) day(MW) Demand(MW) (MU) (MU) 274.0 -1.3 198 Punjab 12382 165.4 0.00 Haryana 9859 238 206.4 150.2 193 Rajasthan 10567 0 221.4 78.3 1.6 558 4.38 110.9 96.8 192 Delhi NR UP 20354 540 378.0 173.2 -1.1 405 1.39 Uttarakhand 38.7 1787 14.3 0.00 HP 1444 30.9 -0.7 0.2 141 0.00 J&K(UT) & Ladakh(UT) 2100 46.4 21.2 0.5 276 3.45 Chandigarh 305 5.9 6.0 -0.2 0.00 87.8 243 3807 36.6 0.2 Chhattisgarh 0.00 Gujarat 13273 292.9 113.1 1302 0.00 191.0 -1.2 MP 8623 0 102.2 347 0.00WR Maharashtra 19844 0 443.0 134.2 -4.0 1040 0.00 Goa 547 11.1 9.3 0.00 309 49 DNH 794 18.3 18.2 0.1 69 0.00 AMNSIL 866 18.8 0.2 0.00 2.0 330 Andhra Pradesh 9791 198.3 74.0 1.5 658 0.00 Telangana 205.9 9687 78.0 1.3 3.8 0.00 SR Karnataka 9478 176.4 59.1 1151 0.00 36.8 3303 Kerala 0 68.8 -0.7 236 0.00 Tamil Nadu 15212 334.9 140.2 4.0 1368 0.00 0.0 Puducherry 420 0 8.6 8.6 48 0.00 Bihar 5407 99.0 90.2 487 DVC 2993 63.9 -36.70.0 412 0.00 Jharkhand 1374 21.9 -1.7 ER Odisha 4949 103.2 30.9 -0.4 267 0.00 West Bengal 7564 145.3 34.7 -0.6 Sikkim 89 1.2 1.4 -0.2 30 0.00 Arunachal Pradesh 132 2.4 2.1 0.1 19 0.01 Assam 1895 34.1 0.0 160 0.00 Manipur 210 0.2 34 0.01 NER Meghalaya 5.6 -0.2 0.0 0.00 101 0 1.7 1.6 0.01 Mizoram 16 Nagaland 143 -0.1 11 0.01 Tripura 4.6 0.00 D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Bhutan Nepal Bangladesh Actual (MU)  $E.\ Import/Export\ by\ Regions\ (in\ MU)\ -\ Import(+ve)/Export(-ve);\ OD(+)/UD(-)$ NR WR SR ER NER TOTAL Schedule(MU 339.8 320.5 -276.4 -281.1 -149.7 -144.7 85.3 102.0 Actual(MU) O/D/U/D(MU) -1.5 -4.9

F. Generation Outage(MW)

	NK	WK	SK	EK	NEK	IOIAL	% Snare
Central Sector	7463	19458	10332	480	988	38721	43
State Sector	11798	21823	11728	5657	11	51017	57
Total	19261	41281	22060	6137	1000	89738	100
G. Sourcewise generation (MU)	•	•					·

	NR	WR	SR	ER	NER	All India	% Share
Coal	517	1055	393	482	8	2455	62
Lignite	28	10	45	0	0	83	2
Hydro	317	59	112	133	25	646	16
Nuclear	31	28	61	0	0	119	3
Gas, Naptha & Diesel	23	30	13	0	26	92	2
RES (Wind, Solar, Biomass & Others)	84	178	283	5	0	550	14
Total	1000	1358	906	621	60	3944	100
Share of RES in total generation (%)	8.37	13.07	31.23	0.86	0.38	13.94	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	43.14	19.43	50.26	22.26	42.83	33.32	

H. All India Demand Diversity Factor

111 : In India Deniana Diversity Tuctor	
Based on Regional Max Demands	1.037
Based on State Max Demands	1.092

Diversity factor = Sum of regional or state maximum demands / All India maximum 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: 22-Jun-2021

No. of Circuit   Max Import (MW)   Max Export (MW)   Import (MU)	Export (MU)  20.7 6.3 12.0 4.8 7.0 4.0 2.0 15.0 15.3 7.5 7.5 7.5 5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	NET (MU)  -20.7 -6.3 -12.0 -4.8 -7.0 -4.0 -15.0 -15.0 -15.3 -7.5 -7.9 -5.1 -1.4 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0
ImportExport of ER (With NR)	6.3 12.0 4.8 7.0 4.8 7.0 4.0 4.0 15.0 15.3 7.5 7.5 7.5 5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-6.3 -12.0 -4.8 -7.0 -4.0 -2.0 -1.5.0 -1.5.0 -1.5.3 -7.5 -7.5 -7.9 -7.9 -5.1 -1.4 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0
PUNC   PUNCHED     - 0   248   0.0   0.0   1.73   0.0   0.0   1.75   0.0   1.75   0.0   1.75   0.0   1.75   0.0   1.75   0.0   0.0   1.75   0.0   0.0   1.75   0.0   0	6.3 12.0 4.8 7.0 4.8 7.0 4.0 4.0 15.0 15.3 7.5 7.5 7.5 5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-6.3 -12.0 -4.8 -7.0 -4.0 -2.0 -1.5.0 -1.5.0 -1.5.3 -7.5 -7.5 -7.9 -7.9 -5.1 -1.4 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0
3	12.0 4.8 7.0 4.8 7.0 4.0 2.0 15.0 15.3 7.5 7.9 5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-12.0 -4.8 -7.0 -4.0 -2.0 -15.0 -15.3 -7.2 -5.1 -1.4 -0.0 -0.0 -0.0 -108.4 -1.0 -2.6 -2.6 -2.8 -2.8 -2.6 -2.6 -2.6 -2.6 -2.6 -2.6 -2.6 -2.6
S	7.0 4.0 2.0 4.0 2.0 15.0 15.0 15.3 7.5 7.9 5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	7.0 -4.0 -2.0 -15.0 -15.0 -15.0 -15.3 -7.5 -7.9 -5.1 -1.4 -0.0 -0.0 -0.0 -108.4 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
6	4.0 2.0 15.0 15.3 7.5 7.9 5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-4.0 -2.0 -1.5.0 -1.5.3 -7.5 -7.5 -7.9 -5.1 -1.4 -0.0 -0.0 -0.0 -0.0 -0.0 -108.4 -108.4 -1.0 -2.6 -28.4 -9.9 -40.0 -47.8 -9.78.8 -9.78 -44.0
1	2.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15	-2.0 -15.0 -15.0 -15.3 -7.5 -7.9 -5.1 -1.4 -0.0 -0.0 -0.0 -0.0 -108.4 -1.2 -1.4 -1.0 -
19   400 kV   PATNABALIA	15.3 7.5 7.9 7.9 5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-15.3 -7.5 -7.9 -5.1 -1.4 -0.0 -0.0 -0.0 -108.4 -1.0 -1.
10	7.5 7.9 5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	7,5 7,9 -5,1 1,4 0,0 0,6 0,0 -108,4 3,2 14,8 0,4 3,9 4,4 1,1,0 2,6 28,4 -9,9 -40,0 -47,8 1,2 0,0 -40,0 -47,8 -1,2 -9,7 -9,8 -9,9
11   490.8	5.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	7,9 -5,1 -1,4 -0,0 -0,6 -0,0 -0,0 -108,4 -1,0 -1,0 -1,0 -1,0 -1,0 -1,0 -1,0 -1,0
13   220 EV   PESAULE-SAHEPURI   1   0   111   0.0   0   14   132 EV   SONE NAGARRHAND   1   0   0   0   0.0   0.0   0.0   0.5   152 EV   SONE NAGARRHAND   1   20   0   0.6   0   0.0	1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-1.4 -0.0 -0.6 -0.0 -0.0 -108.4 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
14   132 kV   ONNE NAGAR-RHIAND   1   0   0   0.6     15   132 kV   CARWAR HIMADD   1   20   0   0.6     16   132 kV   KARMANAAS-SHIPURI   1   0   0   0   0.0     17   132 kV   KARMANAAS-CHANDULL   1   0   0   0   0.0     17   132 kV   KARMANAAS-CHANDULL   1   0   0   0   0.0     17   17   182 kV   KARMANAAS-CHANDULL   1   0   0   0   0.0     18   19   19   19   19   19   19   19	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.6 0.0 0.0 -108.4 3.2 14.8 0.4 3.9 4.4 -1.0 2.6 28.4 -9.9 -40.0 -47.8 -1.2 0.0 -97.8
16   132 kV   KARMANSAS-CHANDAULI	0.0 0.0 109.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 1.0 1	0.0 0.0 108.4 3.2 14.8 0.4 3.9 4.4 1.0 2.6 28.4 28.4 40.0 47.8 1.2 0.0 -97.8
17   132 kV   KARMANASA-CHANDAULI	0.0 109.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0 1.0 47.8 1.2 0.0 97.8 4.0 4.1 1.9	0.0 -108.4 3.2 14.8 0.4 3.9 4.4 -1.0 2.6 28.4 -2.9 -40.0 -47.8 1.1.2 -9.7 -9.7 -9.7 -9.7 -9.7 -9.7 -9.7 -9.7
Import/Export of ER (With WR)	0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 1.0 1.0	3.2 14.8 0.4 3.9 4.4 -1.0 2.6 28.4 -9.9 -40.0 -47.8 -1.2 -0.0 -97.8
1   765 kV   NEW BANCH-DHARAMIAGARH   4   758   522   3.2	0.0 0.0 0.0 0.0 1.0 0.0 1.0 9.9 40.0 47.8 1.2 1.2 1.2 1.3 4.1 1.9	14.8 0.4 3.9 4.4 -1.0 2.6 28.4 -9.9 -40.0 -47.8 -1.2 -0.0 -97.8
2   765 kV   NEW RANCHL-DHARAMIAGARH   2   1127   111   14.8   3   765 kV   JHARSUGUDA-DURG   2   146   137   0.4   4   400 kV   JHARSUGUDA-RAIGARH   4   326   0   3.9   5   400 kV   RANCHI-SIPAT   2   430   0   4.4   4   4   4   4   6   6   220 kV   BUDHIPADAR-RAIGARH   1   3   3   8   4   0.0   0   0   4.4   6   6   220 kV   BUDHIPADAR-RAIGARH   1   3   3   8   4   0.0   0   0   2.6   ER-WR   29.4   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   1   100   100   2.6   100   2.6   100   2.6   100   2.6   100   2.6   100   2.6   100   2.6   100   2.6   100   2.6   100   2.6   100   2.6	0.0 0.0 0.0 0.0 1.0 0.0 1.0 9.9 40.0 47.8 1.2 1.2 1.2 1.3 4.1 1.9	14.8 0.4 3.9 4.4 -1.0 2.6 28.4 -9.9 -40.0 -47.8 -1.2 -0.0 -97.8
3   765 kV	0.0 0.0 0.0 1.0 0.0 1.0 1.0 9.9 40.0 47.8 1.2 0.0 97.8 4.0 4.1 1.9 10.0	0.4 3.9 4.4 -1.0 2.6 28.4 -9.9 -40.0 -47.8 -1.2 0.0 -97.8
S	0.0 1.0 0.0 1.0 9.9 40.0 47.8 1.2 0.0 97.8 4.0 4.1 1.9 10.0	4.4 -1.0 2.6 28.4 -9.9 -40.0 -47.8 -1.2 0.0 -97.8
6   220 kW   BUDHIPADAR-RAIGARH   1   3   84   0.0     7   220 kW   BUDHIPADAR-KORBA   2   169   0   2.6	1.0 0.0 1.0 9.9 40.0 47.8 1.2 0.0 97.8 4.0 4.1 1.9 10.0	-1.0 2.6 28.4 -9.9 -40.0 -47.8 -1.2 0.0 -97.8
T   220 kV   BUDHIPADAR-KORBA   2   169   0   2.6	0.0 1.0 9.9 40.0 47.8 1.2 0.0 97.8 4.1 1.9 10.0	2.6 28.4 -9.9 -40.0 -47.8 -1.2 0.0 -97.8
ImportExport of ER (With SR)	1.0 9.9 40.0 47.8 1.2 0.0 97.8 4.0 4.1 1.9 10.0	28.4  -9.9  -40.0  -47.8  -1.2  0.0  -97.8
Import/Export of ER (With SR)	9.9 40.0 47.8 1.2 0.0 97.8 4.0 4.1 1.9 10.0	-9.9 -40.0 -47.8 -1.2 0.0 -97.8
1   HVDC   JEYPORE-GAZUWAKA BB   2   0   443   0.0   0.0	40.0 47.8 1.2 0.0 97.8 4.0 4.1 1.9 10.0	-40.0 -47.8 -1.2 0.0 -97.8
2	47.8 1.2 0.0 97.8 4.0 4.1 1.9 10.0	-40.0 -47.8 -1.2 0.0 -97.8
4   400 kV   TALCHER-I/C   2   525   548   0.0   0.0	1.2 0.0 97.8 4.0 4.1 1.9 10.0	-1.2 0.0 -97.8
S   220 kV   BALIMELA-UPPER-SILERRU   1   1   0   0.0	0.0 97.8 4.0 4.1 1.9 10.0	-97.8 -4.0
Import/Export of ER (With NER)	4.0 4.1 1.9 10.0	-97.8 -4.0
1   400 kV   ALPURDUAR-BONGAIGAON   2   144   365   0.0     2   400 kV   ALPURDUAR-BONGAIGAON   2   109   428   0.0     3   220 kV   ALPURDUAR-SALAKATI   2   0   129   0.0     Import/Export of NER (With NR)	4.1 1.9 10.0	
2	4.1 1.9 10.0	
Import/Export of NER (With NR)	10.0	-4.1
Import/Export of NER (With NR)	13.3	-1.9 -10.0
NER-NR   0.0		-10.0
ImportExport of WR (With NR)   1	13.3	-13.3
1		-13.3
3	49.6	-49.6
4   765 kV   GWALIOR-AGRA   2   0   2682   0.0     5   765 kV   PHAGI-GWALIOR   2   0   1893   0.0     6   765 kV   ABALPUR-ORAI   2   1023   1046   0.0     7   765 kV   GWALIOR-ORAI   1   600   0   11.4     8   765 kV   SATNA-ORAI   1   0   0   0   11.4     9   765 kV   SATNA-ORAI   1   0   0   1514   0.0     10   400 kV   ZERDA-KANKROLI   1   155   43   0.8     11   400 kV   ZERDA-KANKROLI   1   1243   23   3.3     12   400 kV   VINDIYACHAL-RIHAND   1   243   23   3.3     13   400 kV   VINDIYACHAL-RIHAND   1   943   0   21,9     14   220 kV   BHANPURA-MORAK   1   0   84   0.0     15   220 kV   BHANPURA-MORAK   1   0   30   0.0     16   220 kV   MALANPUR-AURAIYA   1   58   42   0.6     18   132 kV   GWALIOR-SAWAI MADHOPUR   1   0   0   0.0     19   132 kV   RAJBAHT-LALITPUR   2   0   0   0.0     19   132 kV   RAJBAHT-LALITPUR   2   0   0   0.0     10   10   10   0   0   0.0     11   10   10   0   0   0.0     12   10   10   10   10   0   0.0     13   10   10   10   10   10   0     14   10   10   10   10   0   0.0     15   10   10   10   10   10   0     16   220 kV   MEHARHAT-LALITPUR   2   0   0   0.0     17   220 kV   BHANPUR-AURAIYA   1   58   42   0.6     18   132 kV   GWALIOR-SAWAI MADHOPUR   1   0   0   0.0     19   135 kV   RAJBAHT-LALITPUR   2   0   0   0.0     10   10   10   10   10   0     11   10   10	0.0 24.3	0.0 -24.3
S   765 kV   JABAPUR-ORAI   2   0   1893   0.0     6   765 kV   JABAPUR-ORAI   2   1023   1046   0.0     7   765 kV   GWALIOR-ORAI   1   600   0   11.4     8   765 kV   SATNA-ORAI   1   0   0   1514   0.0     9   765 kV   CHITORGARH-BANASKANTHA   2   549   574   0.0     10   400 kV   ZERDA-KANKROLI   1   155   43   0.8     11   400 kV   ZERDA-BHINMAL   1   243   23   3.3     12   400 kV   VINDITYACHAL-RIHAND   1   243   0   21.9     13   400 kV   RAPP-SRIUALPUR   2   0   578   0.0     14   220 kV   BHANPUR-ARANPUR   1   0   84   0.0     15   220 kV   BHANPUR-ARANPAR   1   0   30   0.0     16   220 kV   BHANPUR-ARANPAR   1   88   21   0.2     17   220 kV   MEHGAON-AURAIYA   1   88   21   0.2     18   132 kV   GWALIOR-SAWAI MADHOPUR   1   0   0   0.0     19   132 kV   RAPP-SHVALLTIPUR   2   0   0   0.0     10   10   10   10   10   10   10	49.8	-49.8
7   765 kV   GWALIOR-ORAI   1   600   0   11.4   1.4   1.5	36.8	-36.8
8   765 kV   CHITOGRARH-BANASKANTHA   1   0   1514   0.0   15   0   765 kV   CHITOGRARH-BANASKANTHA   2   549   574   0.0   0   10   400 kV   ZERDA-KANKROLL   1   155   43   0.8   11   400 kV   ZERDA-BHINMAL   1   155   43   0.8   11   400 kV   ZERDA-BHINMAL   1   243   23   3.3   3.3   12   400 kV   VINDITYACHAL-RIHAND   1   943   0   21,9   13   400 kV   VINDITYACHAL-RIHAND   1   943   0   21,9   14   220 kV   BHANPURA-RANPUR   1   0   84   0.0   0   15   220 kV   BHANPURA-RANPUR   1   0   30   0.0   0.0   15   220 kV   BHANPURA-RANPUR   1   88   21   0.2   17   220 kV   MELAGON-AURAIYA   1   88   21   0.2   2   17   220 kV   MALANPUR-RURAIYA   1   58   42   0.6   18   132 kV   GWALIOR-SAWAI MADHOPUR   1   0   0   0   0.0   19   132 kV   RAIGHAT-LALITPUR   2   0   0   0   0.0   19   132 kV   RAIGHAT-LALITPUR   2   0   0   0   0.0   0.0   19   132 kV   SHANPUR-RANPUR   2   0   0   0   0.0	39.4	-39.4 11.4
9   765 kV   CHITORGARH-BANASKANTHA   2   549   574   0.0     10   400 kV   ZERDA-KANKROLL   1   1.55   4.3   0.8     11   400 kV   ZERDA-KANKROLL   1   1.55   4.3   0.8     12   400 kV   VINDHYACHAL-RIHAND   1   943   0   2.1   9     13   400 kV   VINDHYACHAL-RIHAND   1   0   578   0.0     14   220 kV   BARAPURA-RANPUR   1   0   84   0.0     15   220 kV   BHANPURA-MORAK   1   0   30   0.0     16   220 kV   BHANPURA-MORAK   1   0   30   0.0     16   220 kV   MEHCAON-AURAHYA   1   88   2.1   0.2     17   220 kV   MALANPUR-AURAHYA   1   88   2.1   0.6     18   132 kV   GWALJOR-SAWAI MADHOPUR   1   0   0   0.0     19   132 kV   RAJEMAT-LALITPUR   2   0   0   0.0     19   132 kV   RAJEMAT-LALITPUR   2   0   0   0.0     1   HVDC   BHADRAWATI BB   -   300   312   0.3     2   HVDC   RAJEMAP-PUGALUR   2   1098   1772   0.0     3   765 kV   SOLAPUR-RAICHUR   2   1098   1772   0.0     4   765 kV   WALBARH-NIZHAMBAD   2   0   2441   0.0     5   400 kV   KOLBAPUR-KUDGI   2   1035   0   12.4     6   220 kV   KOLBAPUR-KUDGI   2   105   0   0.0     7   220 kV   PONDA-AMBEWADI   1   0   0   0   0.0     WR-SR   14.2	32.2	-32.2
11	2.6 0.0	-2.6
12   400 kV   VINDHYACHAL-RIHAND   1   943   0   21,9     13   400 kV   RAPP-SHUJALPUR   2   0   578   0.0     14   220 kV   BHANPURA-RANPUR   1   0   84   0.0     15   220 kV   BHANPURA-MORAK   1   0   30   0.0     16   220 kV   BHANPURA-MORAK   1   0   30   0.0     17   220 kV   MEHGGON-AURAIVA   1   88   21   0.2     17   220 kV   MALANPURA-URAIVA   1   58   42   0.6     18   132 kV   GWALIOR-SAWAI MADHOPUR   1   0   0   0   0.0     19   132 kV   RAIGHAT-LALITPUR   2   0   0   0.0     19   132 kV   RAIGHAT-LALITPUR   2   0   0   0.0     10   10   10   10   10   10     11   HVDC   BHADRAWATI BB   -   300   312   0.3     2   HVDC   RAIGAR-PUGALUR   2   0   1953   0.0     2   HVDC   RAIGAR-PUGALUR   2   0   2441   0.0     4   765 kV   WARDHA-NIZAMABAD   2   0   2441   0.0     5   400 kV   KOLHAPUR-CHIKODI   2   0   0   0.0     8   220 kV   KOLHAPUR-CHIKODI   2   0   0   0.0     WR-SR   14,2	0.0	0.8 3.3
14   220 kV   BHANPURA-RANPUR   1   0   84   0.0     15   220 kV   BHANPURA-MORAK   1   0   30   0.0     16   220 kV   BHANPURA-MORAK   1   0   88   21   0.2     17   220 kV   MEHGGON-AURAIVA   1   88   21   0.2     18   132 kV   GWALIOR-SAWAI MADHOPUR   1   0   0   0   0.0     19   132 kV   RAIGHAT-LALITPUR   2   0   0   0.0     19   132 kV   RAIGHAT-LALITPUR   2   0   0   0.0     10   132 kV   RAIGHAT-LALITPUR   2   0   0   0.0     11   HVDC   BHADRAWAIT BB   -   300   312   0.3     2   HVDC   RAIGARH-PUGALUR   2   0   1953   0.0     2   HVDC   RAIGARH-PUGALUR   2   0   0   244   0.0     4   765 kV   SOLAPUR-RAICHUR   2   1098   1772   0.0     4   765 kV   WARDHA-NIZAMABAD   2   0   244   0.0     5   400 kV   KOLHAPUR-CHIKODI   2   1035   0   124     6   220 kV   KOLHAPUR-CHIKODI   2   0   0   0.0     8   220 kV   VALDA-AMBEWADI   1   0   0   0.0     WR-SR   14,2	0.0	21.9
S   220 kV   BHANPURA-MORAK   1   0   30   0.0     16   220 kV   MEHGAON-AURAIYA   1   88   21   0.2     17   220 kV   MALANPUR-AURAIYA   1   58   42   0.6     18   132 kV   GWALIOR-SAWAI MADHOPUR   1   0   0   0.0     19   132 kV   RAAIGHAT-LALITPUR   2   0   0   0.0     10   132 kV   RAAIGHAT-LALITPUR   2   0   0   0.0     10   10   10   10   10   10     11   HVDC   BHADRAWATI B/B   -   300   312   0.3     2   HVDC   RAIGRAFP-PUGALUR   2   0   1953   0.0     3   765 kV   SOLAPUR-RAICHUR   2   1098   1772   0.0     4   765 kV   WARDHA-NIZAMBAD   2   0   2441   0.0     5   400 kV   KOLHAPUR-KUDGI   2   1035   0   12.4     6   220 kV   KOLHAPUR-KUDGI   2   0   0   0.0     7   220 kV   ROLHAPUR-KUDGI   2   0   0   0.0     8   220 kV   KOLHAPUR-KUDGI   1   0   0   0.0     9   20 kV   SULAPUR-RAIGHUR   1   0   0   0.0     9   20 kV   KOLHAPUR-KUDGI   1   0   0   0.0     10 kV   1.5 k	8.6 1.5	-8.6 -1.5
16   220 kV   MEHGAON-AURANYA   1   88   21   0.2     17   220 kV   MALANPUR-AURANYA   1   58   42   0.6     18   132 kV   GWALIOR-SAWAI MADHOPUR   1   0   0   0.0     19   132 kV   RAIGHAT-LALITPUR   2   0   0   0.0	1.1	-1.1
18   132 kV   GWALIORSAWAI MADHOPUR   1   0   0   0.0   0.0	0.3	-0.1
19   132 kV   RAJGHAT-LALITPUR   2   0   0   0.0	0.0	0.6 0.0
Import/Export of WR (With SR)	0.0	0.0
1   HVDC   BHADRAWATI BB   - 300   312   0.3   0.0   1.2   0.3   0.0   1.5   0.0   0.0   1.5   0.0   0.0   1.5   0.0	246.2	-208.1
2   HVDC   RAIGARH-PUGALUR   2   0   1953   0.0	7.0	-6.7
4   765 kV   WARDHA-NIZAMABAD   2   0   2441   0.0     5   490 kV   KOLHAPUR-KUDGI   2   1035   0   12.4     6   220 kV   KOLHAPUR-CHIKODI   2   0   0   0.0     7   220 kV   PONDA-AMBEWADI   1   0   0   0.0     8   220 kV   XELDEM-AMBEWADI   1   0   75   1.5     WR-SR   14.2	14.4	-14.4
S   400 kV   KOLHAPUR-KUDGI   2   1035   0   12.4   6   220 kV   KOLHAPUR-KUDGI   2   0   0   0.0   7   220 kV   AVELDEM-AMBEWADI   1   0   0   0.0   8   220 kV   XELDEM-AMBEWADI   1   0   75   1.5	8.3 29.0	-8.3
6         220 kV         KOLHAPUR-CHIKODI         2         0         0         0.0           7         220 kV         PONDA-AMBEWADI         1         0         0         0.0           8         220 kV         XELDEM-AMBEWADI         1         0         75         1.5           WR-SR         14.2	0.0	-29.0 12.4
8   220 kV   XELDEM-AMBEWADI   1   0   75   1.5   WR-SR   14.2	0.0	0.0
WR-SR 14.2	0.0	0.0 1.5
	58.7	-44.5
EVIEWATIONAL EACHANGES	Import	+ve)/Export(-ve)
State Region Line Name Max (MW) Min (MW)	Avg (MW)	Energy Exchange
400kV MANGDECHHU-ALIPURDUAR 1 & 2		(MII)
ER ic. ALIPURDUAR RECEIPT (from 624 0	600	14.4
MANGDECHU HEP 4*180MW) 400kV TALA-BINAGURI 1,2,4 (& 400kV		
ER MALBASE - BINAGURI 1047 0	999	24.0
RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV		
BHUTAN ER MALBASE - BIRPARA) i.e. BIRPARA 317 0	211	5.1
RECEIPT (from CHUKHA HEP 4*84MW)		
NER 132KV-GEYLEGPHU - SALAKATI 34 25	-31	-0.8
NER 132kV Motanga-Rangia 55 45	-52	-1.2
132KV-TANAKPUR(NH)70 0	-39	-0.9
MAHENDRANAGAR(PG) -/U U		0.5
ER 400KV-MUZAFFARPUR - DHALKEBAR DC -240 -104	-167	-4.0
-104		-4.0
NEPAL ER 132KV-BIHAR - NEPAL -217 -1		-2.0
ER AMA HEI -21/ -1	-82	-2.0
ER BHERAMARA HVDC(BANGLADESH) -920 -664	-82	-20.8
EK DILEKANIAKA HYDU(BANGLADESH) -920 -664		-20.8
BANGLADESH NER 132KV-SURAJMANI NAGAR 64 0	-82 -868	
BANGLADESH NER COMILLA(BANGLADESH)-1 -64 0	-868	
A CONTRACTOR OF THE PROPERTY O		-1.3
132KV-SURAJMANI NAGAR -   -63   0	-868	