

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)
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बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 08th Mar 2020

To.

- 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 07.03.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-मार्च-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 07th Mar 2020, is available at the NLDC website.

धन्यवाद,

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

Report for previous day Date of Reporting 08-Mar-2020

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900	39437	48778	43643	15694	2380	149932
hrs; from RLDCs)	6,710,7	10770	10010	1007.	2000	11,7,02
Peak Shortage (MW)	558	0	0	0	44	602
Energy Met (MU)	787	1166	1091	325	40	3410
Hydro Gen (MU)	134	30	91	30	6	291
Wind Gen (MU)	4	23	19	-	-	46
Solar Gen (MU)*	35.64	29.70	80.09	1.49	0.02	147
Energy Shortage (MU)	11.6	0.1	0.0	0.0	1.7	13
Maximum Demand Met during the day (MW) & time	41074	54570	50426	17650	2450	158892
(from NLDC SCADA)	09:22	11:25	09:26	18:40	18:07	09:56

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	0.036	0.00	0.00	4.73	4.73	72.35	22.92

C. Power Supply Position in States

Region	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	4841	0	97.3	68.2	-0.4	340	0.0
	Haryana	5415	0	99.1	72.1	1.5	268	0.0
	Rajasthan	10542	0	193.9	53.2	-2.8	367	0.0
	Delhi	3517	0	59.9	44.5	-1.2	151	0.0
NR	UP	13388	0	218.8	105.0	2.2	1498	0.0
	Uttarakhand	1765	0	34.6	15.9	0.5	176	0.0
	HP	1656	0	30.5	22.7	0.6	246	0.0
	J&K(UT) and Ladakh(UT)	2329	582	49.2	43.8	-0.8	269	11.6
	Chandigarh	204	0	3.5	3.5	0.0	18	0.0
	Chhattisgarh	3384	0	72.2	50.9	-1.2	787	0.0
	Gujarat	15818	0	344.0	118.4	3.4	445	0.0
	MP	11537	0	221.5	110.7	-2.4	385	0.0
WR	Maharashtra	23287	0	486.1	150.8	-2.1	343	0.0
WK	Goa	493	0	10.4	10.0	-0.1	37	0.1
	DD	333	0	7.6	7.5	0.1	34	0.0
	DNH	812	0	19.1	19.1	0.0	73	0.0
	Essar steel	803	0	5.4	5.7	-0.3	236	0.0
	Andhra Pradesh	8950	0	185.7	89.0	0.2	396	0.0
	Telangana	12105	0	237.6	131.1	-0.1	1168	0.0
SR	Karnataka	12576	0	247.7	83.7	0.2	498	0.0
3N	Kerala	3745	0	79.5	60.2	1.3	244	0.0
	Tamil Nadu	14749	0	332.2	186.8	-0.7	441	0.0
	Pondy	392	0	8.2	8.4	-0.3	34	0.0
	Bihar	3807	0	64.8	60.5	-2.9	217	0.0
	DVC	2936	0	59.5	-32.8	0.6	257	0.0
ER	Jharkhand	1180	0	20.9	12.3	-0.9	156	0.0
EK	Odisha	3614	0	68.6	7.7	-0.5	233	0.0
	West Bengal	6300	0	109.7	28.1	-1.7	228	0.0
	Sikkim	113	0	1.5	1.8	-0.4	9	0.0
	Arunachal Pradesh	121	1	2.3	2.2	-0.1	46	0.0
	Assam	1361	22	22.2	18.3	0.4	145	1.5
	Manipur	197	2	2.7	2.7	-0.1	24	0.0
NER	Meghalaya	349	0	5.9	3.5	0.5	207	0.1
	Mizoram	106	1	1.6	1.3	0.1	42	0.0
	Nagaland	127	1	2.2	1.9	0.2	14	0.0
	Tripura	223	0	3.6	1.6	-0.2	35	0.0

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

	,		
	Bhutan	Nepal	Bangladesh
Actual(MU)	0.7	-8.2	-14.8
Day peak (MW)	273.2	-503.1	-943.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.3	-238.5	176.1	-109.4	13.1	-0.3
Actual(MU)	142.9	-243.5	199.6	-127.0	17.4	-10.6
O/D/U/D(MU)	-15.4	-5.0	23.5	-17.7	4.3	-10.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5876	12410	6372	1395	1374	27426
State Sector	17685	14110	7735	5862	11	45403
Total	23561	26519	14107	7257	1385	72829

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	383	1226	557	453	7	2626
Lignite	16	16	51	0	0	83
Hydro	134	30	91	30	6	291
Nuclear	24	37	45	0	0	105
Gas, Naptha & Diesel	35	50	17	0	16	118
RES (Wind, Solar, Biomass & Others)	66	59	139	2	0	266
Total	659	1418	899	485	28	3488

Share of RES in total generation (%)	10.08	4.18	15.44	0.32	0.07	7.62
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.04	8.85	30.55	6.60	19.88	18.97

H. All India Demand Diversity Factor

11 111 India Demand Diversity Luctor		
Based on Regional Max Demands	1.046	
Based on State Max Demands	1.089	

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

 $[\]textbf{*Source} : \textbf{RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.}$

INTER-REGIONAL EXCHANGES

Max Import (MW) Max Export (MW)

Circuit

SI No Voltage Level Import/Export of ER (With NR)

Line Details

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 08-Mar-20

NET (MU)

Export (MU)

Import (MU)

4		(With NR)			•	0.0	0.0	0.0
2		ALIPURDUAR-AGRA PUSAULI B/B	S/C	0	0 249	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	D/C	112	564		5.4	-5.4
4	765 kV	SASARAM-FATEHPUR	S/C	127	363	0.0	2.6	-5.4
5	765 kV	GAYA-BALIA	S/C	0	291		4.5	-2.6 -4.5
6	765 KV 400 kV					0.0		-4.5 -4.4
7	400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	S/C S/C	0	217 118	0.0	4.4 1.8	-4.4 -1.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	263	177	0.0	0.8	-0.8
9	400 kV	PATNA-BALIA	Q/C	0	729	0.0	10.6	-10.6
10			D/C			0.0		-10.6
11	400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	D/C	46 0	228 491	0.0	2.8	-2.8 -6.2
12	400 kV	BIHARSHARIFF-VARANASI	D/C	201	212	0.2	0.0	0.2
13	220 kV	PUSAULI-SAHUPURI			167			
14	132 kV	SONE NAGAR-RIHAND	S/C S/C	0		0.0	3.1	-3.1
_					0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.1	0.0	0.1
16	132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0 ER-NR	0.0	0.0	0.0
Imno	ort/Export of ER	(Mith MD)			ER-NK	0.3	48.3	-48.0
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1855	0	31.2	0.0	31.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	423	375	1.0	0.0	1.0
3	765 kV	JHARSUGUDA-DURG	D/C	62	241	0.0	2.4	-2.4
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	80	337	0.0	3.0	-3.0
-								
5	400 kV	RANCHI-SIPAT	D/C	142	144	0.5	0.0	0.5
6	220 kV	BUDHIPADAR-RAIGARH	S/C	54	78	0.0	0.8	-0.8
7	220 kV	BUDHIPADAR-KORBA	D/C	99	33	0.3	0.0	0.3
H			ı		ER-WR	33.0	6.2	26.8
lmpr	ort/Export of ER	(With SR)			2 741.	55.0	V-E	20.0
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	694	0.0	16.6	-16.6
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2473	0.0	44.8	-16.6
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3052	0.0	62.5	-44.6
4	765 KV 400 kV	TALCHER-I/C	D/C	643	973	0.0	4.2	-62.5 -4.2
5		BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
-	220 KV	DALIMELA-UFFER-SILERRU	3/6	<u>'</u>	ER-SR	0.0	123.9	-123.9
lmno	ort/Export of ER	(With NER)			EN-3K	0.0	123.9	-123.9
_			D/C	0	610	0.0	10.4	-10.4
2	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	D/C D/C	0	610 920	0.0	10.4 15.9	-10.4 -15.9
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	175	0.0	2.7	-2.7
lm n	ort/Export of NEF	With ND			ER-NER	0.0	29.0	-29.0
_			ı					
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	503 NER-NR	0.0	11.0	-11.0
		OACUL NID)			NER-NR	0.0	11.0	-11.0
_	ort/Export of WR			_	-			
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	2.7	-2.7
2	HVDC	V'CHAL B/B	D/C	448	0	8.9	0.0	8.9
3	HVDC	APL -MHG	D/C	0	1080	0.0	26.7	-26.7
4	765 kV	GWALIOR-AGRA	D/C	0	2543	0.0	36.3	-36.3
	765 kV	PHAGI-GWALIOR	D/C	0	1408	0.0	21.9	-21.9
5								
6	765 kV	JABALPUR-ORAI	D/C	0	904	0.0	23.8	-23.8
6 7	765 kV	GWALIOR-ORAI	S/C	542	0	9.7	0.0	9.7
6 7 8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	S/C S/C	542 0	0 1420	9.7 0.0	0.0 27.8	9.7 -27.8
6 7 8 9	765 kV 765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA	S/C S/C D/C	542 0 404	0 1420 657	9.7 0.0 2.9	0.0 27.8 2.3	9.7 -27.8 0.6
6 7 8 9	765 kV 765 kV 765 kV 400 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI	S/C S/C D/C S/C	542 0	0 1420 657 48	9.7 0.0	0.0 27.8	9.7 -27.8
6 7 8 9	765 kV 765 kV 765 kV 400 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	S/C S/C D/C	542 0 404	0 1420 657	9.7 0.0 2.9	0.0 27.8 2.3	9.7 -27.8 0.6
6 7 8 9 10 11	765 kV 765 kV 765 kV 400 kV 400 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND	\$/C \$/C D/C \$/C \$/C \$/C	542 0 404 186 158 976	0 1420 657 48 126	9.7 0.0 2.9 1.8 0.8 22.6	0.0 27.8 2.3 0.0 0.0	9.7 -27.8 0.6 1.8 0.8 22.6
6 7 8 9 10 11 12	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	\$/C \$/C D/C \$/C \$/C \$/C \$/C	542 0 404 186 158 976 203	0 1420 657 48 126 0	9.7 0.0 2.9 1.8 0.8 22.6 0.1	0.0 27.8 2.3 0.0 0.0 0.0	9.7 -27.8 0.6 1.8 0.8 22.6
6 7 8 9 10 11	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	\$/C \$/C D/C \$/C \$/C \$/C	542 0 404 186 158 976	0 1420 657 48 126	9.7 0.0 2.9 1.8 0.8 22.6	0.0 27.8 2.3 0.0 0.0	9.7 -27.8 0.6 1.8 0.8 22.6
6 7 8 9 10 11 12	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	\$/C \$/C D/C \$/C \$/C \$/C \$/C	542 0 404 186 158 976 203	0 1420 657 48 126 0	9.7 0.0 2.9 1.8 0.8 22.6 0.1	0.0 27.8 2.3 0.0 0.0 0.0	9.7 -27.8 0.6 1.8 0.8 22.6
6 7 8 9 10 11 12 13 14 15	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	\$/C \$/C D/C \$/C \$/C \$/C D/C \$/C	542 0 404 186 158 976 203	0 1420 657 48 126 0 326	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1
6 7 8 9 10 11 12 13 14	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	\$/C	542 0 404 186 158 976 203 11 6	0 1420 657 48 126 0 326 82	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5
6 7 8 9 10 11 12 13 14 15	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	\$/C	542 0 404 186 158 976 203 11 6	0 1420 657 48 126 0 326 82 127 17 34	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5
6 7 8 9 10 11 12 13 14 15 16	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	\$/C \$/C D/C S/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$	542 0 404 186 158 976 203 11 6 93 69	0 1420 657 48 126 0 326 82 127 17	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8
6 7 8 9 10 11 12 13 14 15 16 17	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	\$/C \$/C D/C S/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$	542 0 404 186 158 976 203 11 6 93 69	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8
6 7 8 9 10 11 12 13 14 15 16 17	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	\$/C \$/C D/C S/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$	542 0 404 186 158 976 203 11 6 93 69	0 1420 657 48 126 0 326 82 127 17 34	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8
6 7 8 9 10 11 12 13 14 15 16 17 18	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV **rt/Export of WR HVDC	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAMPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	\$/C \$/C D/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$	542 0 404 186 158 976 203 111 6 93 69	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0
6 7 8 9 10 11 12 13 14 15 16 17 18	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV HVDC 765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BARSUR-L.SILERU SOLAPUR-RAICHUR	\$/C \$/C D/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$/C \$	542 0 404 186 158 976 203 11 6 93 69 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 1.5 2.4 0.0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7
6 7 8 9 10 11 12 13 14 15 16 17 18 Impo	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV ort/Export of WR HVDC 765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BHARSWATI B/B BHARSUR-L-SILERU SOLAPUR-RAICHUR	\$/C	542 0 404 186 158 976 203 111 6 93 69 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 95.7
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 00t/Export of WR HVDC HVDC 765 kV 400 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAMPURA-WAIYA MALAMPUR-AURAIYA (WIth SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI	\$/C	542 0 404 186 158 976 203 11 6 93 69 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0	9.7 -27.8 -0.6 -1.8 -0.8 -22.6 -0.1 -0.6 -1.5 -0.8 -0.4 -0.0 -95.7 -24.0 -0.0 -45.2 -59.4 -11.5
10 11 12 13 14 15 16 17 18 Impo 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HVDC HVDC 765 kV 400 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WINTER BHADRAWATI B/B BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	\$/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HVDC HVDC 765 kV 400 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAMPURA-WAIYA MALAMPUR-AURAIYA (WIth SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI	\$/C	542 0 404 186 158 976 203 11 6 93 69 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7
10 11 12 13 14 15 16 17 18 Impo 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HVDC HVDC 765 kV 400 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WINTER BHADRAWATI B/B BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	\$/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CCHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	SIC	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 80	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CCHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	S/C S/C D/C S/C S/C	542 0 404 186 158 976 203 111 6 93 69 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 11.5 0.0 0.0 11.5	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 1400 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BBARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	S/C S/C	542 0 404 186 158 976 203 111 6 93 69 0 0 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 0.0 1.5 1.5 0.0 0.0 1.8 13.3	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CCHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	S/C S/C	542 0 404 186 158 976 203 111 6 93 69 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 11.5 0.0 0.0 11.5	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 1400 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BBARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	S/C S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 0.0 1.5 1.5 0.0 0.0 1.8 13.3	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 1400 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANAI GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI REGION REGION	S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 31440 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 1.4 0.0 129.8 Avg (MW)	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 1400 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CCHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI REGION	S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 1.5 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 1400 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANAI GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI REGION REGION	S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 NATIONAL EXCHAN Name)	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 31440 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 1.4 0.0 129.8 Avg (MW)	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 671/Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 575 kV 400 kV 5765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER	S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 0 2717 3140 0 0 WR-SR IGES Max (MW) 0 0 1111	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 1.29.8 Avg (MW) 0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 2.0
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 671/Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 575 kV 400 kV 5765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL VICHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER	S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8 Avg (MW) 0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 671/Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 575 kV 400 kV 5765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER	S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 0 2717 3140 0 0 WR-SR IGES Max (MW) 0 0 1111	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 1.29.8 Avg (MW) 0	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 2.0
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 671/Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 575 kV 400 kV 5765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL VICHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AWAITA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOL APUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER ER ER ER	S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT - GELEPHU	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8 Avg (MW) 0 -63 82 30 -8	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 0.7 -1.5 2.0 0.7 -0.2
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 671/Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 575 kV 400 kV 5765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RAMPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-WARIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER	S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 0 0 0 10 0 0 0 10 0 0 10 0 10 1	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 WR-SR IGES Max (MW) 0 0 1111	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 12.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8 Avg (MW) 0 -63 82	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 11.5 0.0 -1.5 Energy Exchange (MU) 0.0 -1.5 2.0
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 671/Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 575 kV 400 kV 5765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VICHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOL APUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER ER NER NER	S/C	542 0 404 186 158 976 203 111 6 93 69 0 0 0 0 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT ×180) NAGURI RECEIPT - GELEPHU DEOTHANG NH)-	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.8 13.3	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 129.8 Avg (MW) 0 -63 82 30 -8	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 2.0 0.7 -0.2
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 60	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VICHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WITH ST BHANPURA-WICHANDORA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WITH SR BHADRAWATI BIB BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER ER ER NER NER NER	S/C	542 0 404 186 158 976 203 111 6 93 69 0 0 0 0 0 752 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT × 180) CEIPT - GELEPHU DECOTHANG	0 1420 657 48 126 0 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8 Avg (MW) 0 -63 82 30 -8	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 2.0 0.7 -0.2
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 671/Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV 575 kV 400 kV 5765 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VICHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOL APUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER ER NER NER	S/C	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT - GELEPHU DEOTHANG NH) - G) EPAL	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.8 13.3	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 129.8 Avg (MW) 0 -63 82 30 -8	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 2.0 0.7 -0.2
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 60	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VICHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAMPURA-BHINMAL WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZHURAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER ER ER ER NER NER NER	S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT - GELEPHU DEOTHANG NH) - G) EPAL	0 1420 657 48 126 0 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR Max (MW) 0 0 1111 87 16 42 0 -158	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 11.5 0.0 0.0 0.0 11.5 0.0 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 129.8 Avg (MW) 0 -63 82 30 -8 -14 0 -40	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 -2.0 -1.10
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 60	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VICHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WITH ST BHANPURA-WICHANDORA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WITH SR BHADRAWATI BIB BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER ER ER NER NER NER	S/C	542 0 404 186 158 976 203 111 6 93 69 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT ×180) NAGURI RECEIPT - GELEPHU DEOTHANG NH)- G) EPAL RPUR -	0 1420 657 48 126 0 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 129.8 Avg (MW) 0 -63 82 30 -8 -14	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 0.0 -1.5 -2.0 0.7 -0.2 -0.3 -1.0
6 7 8 9 10 11 12 13 14 15 16 17 18 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 60	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VICHAL-RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAMPURA-BHINMAL WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR WITH STANDAR SAWAI MADHOPUR BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZHURAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER ER ER ER NER NER NER	S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	542 0 404 186 158 976 203 111 6 93 69 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT ×180) NAGURI RECEIPT - GELEPHU DEOTHANG NH)- G) EPAL RPUR -	0 1420 657 48 126 0 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR Max (MW) 0 0 1111 87 16 42 0 -158	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 0.0 11.5 0.0 0.0 0.0 11.5 0.0 0.0 0.0 11.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 129.8 Avg (MW) 0 -63 82 30 -8 -14 0 -40	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 -2.0 -1.10
6 7 8 9 10 11 12 13 14 15 16 17 18 18 2 3 4 5 6 7 8	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 67/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV 8848888888888888888888888888888888888	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAI MADHOPUR (With SR) BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER RR RR RR NER NER NER NER NER	S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR GES Max (MW) 0 0 1111 87 16 42 0 -158 -284	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8 Avg (MW) 0 -63 82 30 -8 -14 0 -40 -261	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 2.0 0.7 -0.2 -0.3 -1.0 -1.0 -6.3 -12.6
6 7 8 9 10 11 12 13 14 15 16 17 18 18 2 3 4 5 6 7 8	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 600 kV 60	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VICHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAMPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI RER ER RR NER NER NER NER NER NER ER	S/C	542 0 404 186 158 976 203 111 6 93 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR GES Max (MW) 0 0 111 87 16 42 0 -158	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 11.5 0.0 0.0 11.5 0.0 0.0 11.8 13.3 Min (MW) 0 0 92 0 0 0 0 778	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 129.8 Avg (MW) 0 -63 82 30 -8 -14 0 -40 -261	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 Energy Exchange (MU) 0.0 -1.5 -2.0 0.7 -0.2 -0.3 -1.0 -1.0
6 7 8 9 10 11 12 13 14 15 16 17 18 18 2 3 4 5 6 7 8	765 kV 765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 67/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV 8848888888888888888888888888888888888	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAI MADHOPUR (With SR) BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER RR RR RR NER NER NER NER NER	S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	542 0 404 186 158 976 203 11 6 93 69 0 0 0 0 0 0 0 752 0 0 0 NATIONAL EXCHAN Name) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT × 180) EIPT REPUL PROPAL REPUL PROP	0 1420 657 48 126 0 326 82 127 17 34 0 WR-NR 1006 0 2717 3140 0 0 80 95 WR-SR GES Max (MW) 0 0 1111 87 16 42 0 -158 -284	9.7 0.0 2.9 1.8 0.8 22.6 0.1 0.2 0.0 0.8 0.5 0.0 48.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 27.8 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.8 1.5 0.0 0.1 0.0 143.9 24.0 0.0 45.2 59.4 0.0 0.0 1.4 0.0 129.8 Avg (MW) 0 -63 82 30 -8 -14 0 -40 -261	9.7 -27.8 0.6 1.8 0.8 22.6 0.1 -0.6 -1.5 0.8 0.4 0.0 -95.7 -24.0 0.0 -45.2 -59.4 11.5 0.0 -1.4 1.8 -116.5 -1.5 -1.6 -1.5 -1.6 -1.7 -1.7 -1.8 -1.8 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9 -1.9