

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: 18th 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 17.03.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th Mar 2020, is available at the NLDC website.

धन्यवाद,

Report for previous day Date of Reporting 18-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 hrs; from RLDCs)	38981	50426	45097	19528	2424	156456
Peak Shortage (MW)	493	0	0	0	56	549
Energy Met (MU)	827	1187	1148	383	42	3586
Hydro Gen (MU)	143	64	80	33	4	325
Wind Gen (MU)	9	54	53	-	-	116
Solar Gen (MU)*	35.96	27.43	99.76	4.71	0.05	168
Energy Shortage (MU)	10.1	0.0	0.0	0.0	0.6	11
Maximum Demand Met during the day (MW) & time	42195	55308	52724	19266	2500	164409
(from NLDC SCADA)	19:21	11:02	09:56	19:03	18:30	09:47

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	0.033	0.00	0.08	3.17	3.25	74.10	22.65

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	4945	0	96.5	67.1	-0.3	136	0.0
	Haryana	5813	0	111.5	91.4	1.1	304	0.0
	Rajasthan	12291	0	213.6	56.2	-1.3	481	0.0
	Delhi	3420	0	60.2	48.8	-1.2	105	0.0
NR	UP	13608	0	240.9	110.0	0.8	1039	0.0
	Uttarakhand	1778	0	33.8	12.0	0.2	150	0.0
	HP	1511	0	24.1	17.8	-1.0	102	0.0
	J&K(UT) and Ladakh(UT)	1979	495	43.1	39.0	-4.0	39	10.1
	Chandigarh	196	0	3.2	3.2	0.0	22	0.0
	Chhattisgarh	3989	0	89.7	36.3	-0.8	616	0.0
	Gujarat	16447	0	349.9	85.7	3.5	974	0.0
	MP	10461	0	205.4	102.9	-1.7	517	0.0
WR	Maharashtra	24012	0	499.3	161.9	1.4	1075	0.0
WK	Goa	552	4	11.1	10.7	0.0	97	0.0
	DD	333	0	7.4	7.3	0.1	30	0.0
	DNH	807	0	18.9	18.9	0.0	41	0.0
	Essar steel	765	0	5.1	5.0	0.1	233	0.0
	Andhra Pradesh	9980	0	205.1	101.5	-0.1	496	0.0
	Telangana	12051	0	247.4	136.9	1.3	716	0.0
SR	Karnataka	12854	0	256.9	85.9	0.5	761	0.0
JI.	Kerala	4068	0	84.5	63.9	1.5	198	0.0
	Tamil Nadu	15481	0	346.2	191.4	-0.4	466	0.0
	Puducherry	396	0	8.3	8.7	-0.4	29	0.0
	Bihar	4030	285	72.0	68.1	0.2	305	0.0
	DVC	3086	365	63.3	-41.1	0.1	368	0.0
ER	Jharkhand	1306	148	24.5	15.6	-0.1	148	0.0
LIN	Odisha	4006	508	79.6	-0.7	0.7	508	0.0
	West Bengal	7352	369	142.0	39.5	0.1	374	0.0
	Sikkim	128	35	1.4	1.6	-0.2	35	0.0
	Arunachal Pradesh	118	2	2.0	2.3	-0.4	9	0.0
	Assam	1456	18	23.9	20.1	0.2	108	0.4
	Manipur	164	3	2.6	2.4	0.2	34	0.0
NER	Meghalaya	324	0	5.4	3.9	0.2	57	0.1
	Mizoram	98	2	1.7	1.4	0.2	18	0.0
	Nagaland	134	1	2.2	2.0	0.1	10	0.0
	Tripura	248	0	3.8	2.8	-0.4	22	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.5	-14.2	-10.6
Day peak (MW)	316.5	-648.8	-776.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	187.1	-262.9	187.5	-117.7	5.9	-0.1
Actual(MU)	176.3	-258.3	196.1	-126.0	7.1	-4.7
O/D/U/D(MU)	-10.8	4.6	8.7	-8.3	1.2	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5530	15402	4502	1585	727	27747
State Sector	17070	15762	8535	4850	11	46228
Total	22600	31164	13037	6435	738	73974

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	376	1163	552	498	12	2601
Lignite	22	15	52	0	0	89
Hydro	143	64	80	33	4	325
Nuclear	24	37	62	0	0	123
Gas, Naptha & Diesel	30	82	18	0	23	154
RES (Wind, Solar, Biomass & Others)	73	92	187	5	0	357
Total	668	1454	951	536	39	3649

Share of RES in total generation (%)	10.86	6.35	19.68	0.88	0.13	9.78
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.84	13.29	34.64	7.08	11.31	22.05

H. All India Demand Diversity Factor

11 111 India Demand Diversity Luctor		
Based on Regional Max Demands	1.046	
Based on State Max Demands	1.096	

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 Voltage Level Import/Export of ER (With NR)

Line Details

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 18-Mar-2020

NET (MU)

Export (MU)

Import (MU)

	IIIVDO	(With NR)	ı					
1	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	S/C	0	251	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	D/C	0	898	0.0	9.9	-9.9
4	765 kV	SASARAM-FATEHPUR	S/C	0	371	0.0	4.0	-4.0
5	765 kV	GAYA-BALIA	S/C	0	530	0.0	7.9	-7.9
6	400 kV	PUSAULI-VARANASI	S/C	0	192	0.0	3.8	-3.8
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	138	0.0	2.1	-2.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	820	0.0	10.9	-10.9
9	400 kV	PATNA-BALIA	Q/C	0	1086	0.0	17.1	-17.1
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	394	0.0	4.7	-4.7
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	361	0.0	7.0	-7.0
12	400 kV	BIHARSHARIFF-VARANASI	D/C	80	360	0.0	2.3	-2.3
13	220 kV	PUSAULI-SAHUPURI			161			
			S/C	0		0.0	3.1	-3.1
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	0.5	78.7	-78.2
Impo	rt/Export of ER	(With WR)			L. Carlotte and Car			
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1350	0	25.4	0.0	25.4
<u> </u>								
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	600	262	3.2	0.0	3.2
3	765 kV	JHARSUGUDA-DURG	D/C	58	196	0.0	2.2	-2.2
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4	400 kV	JHARSUGUDA-RAIGARH	Q/C	6	376	0.0	4.0	-4.0
5	400 kV	RANCHI-SIPAT	D/C	191	104	0.8	0.0	0.8
_	000 137		0/0	_				
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	120	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	D/C	121	0	1.8	0.0	1.8
	1		I.	II.	ER-WR	31.2	7.7	23.5
lmpo	rt/Export of ER	(With SR)				-		
_			DIC	•	607	0.0	42.7	42.7
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	687	0.0	13.7	-13.7
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2464	0.0	49.7	-49.7
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3151	0.0	61.1	-61.1
4	400 kV	TALCHER-I/C	D/C	0	747	0.0	6.6	-6.6
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
					ER-SR	0.0	124.5	-124.5
lmno	rt/Export of ER	(With NER)			5.1			
_			D/0	445	400	4.0		4.0
1		BINAGURI-BONGAIGAON	D/C	145	103	1.0	0.0	1.0
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	223	98	1.8	0.0	1.8
3	220 kV	ALIPURDUAR-SALAKATI	D/C	48	29	0.4	0.0	0.4
					ER-NER	3.2	0.0	3.2
Impo	rt/Export of NEF	R (With NR)			J. Company		I.	ı
1		BISWANATH CHARIALI-AGRA	-	468	0	11.4	0.0	11.4
느	HVDC	BISWANATH CHARIALI-AGRA	-	400	NER-NR			
					NEK-NK	11.4	0.0	11.4
	rt/Export of WR							
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	999	0.0	10.8	-10.8
2	HVDC	V'CHAL B/B	D/C	445	101	0.0	2.4	-2.4
3	HVDC	APL -MHG	D/C	0	1081	0.0	26.7	-26.7
4	765 kV	GWALIOR-AGRA	D/C	0	2295	0.0	39.4	-39.4
	765 kV	PHAGI-GWALIOR	D/C	0		0.0	20.5	-20.5
-	765 KV	PHAGI-GWALIOR						
5					1479			
6	765 kV	JABALPUR-ORAI	D/C	0	771	0.0	25.7	-25.7
	765 kV 765 kV	JABALPUR-ORAI GWALIOR-ORAI						
6			D/C	0	771	0.0	25.7	-25.7
6 7	765 kV	GWALIOR-ORAI	D/C S/C	0 626	771 0	0.0 10.6	25.7 0.0	-25.7 10.6
6 7 8 9	765 kV 765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA	D/C S/C S/C D/C	0 626 0 289	771 0 1264 499	0.0 10.6 0.0 1.2	25.7 0.0 26.0 2.2	-25.7 10.6 -26.0 -1.0
6 7 8 9	765 kV 765 kV 765 kV 400 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI	D/C S/C S/C D/C S/C	0 626 0 289	771 0 1264 499 60	0.0 10.6 0.0 1.2 1.5	25.7 0.0 26.0 2.2 0.0	-25.7 10.6 -26.0 -1.0 1.5
6 7 8 9 10	765 kV 765 kV 765 kV 400 kV	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL	D/C S/C S/C D/C S/C S/C	0 626 0 289 136	771 0 1264 499 60	0.0 10.6 0.0 1.2 1.5	25.7 0.0 26.0 2.2 0.0	-25.7 10.6 -26.0 -1.0 1.5
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	D/C S/C S/C D/C S/C S/C S/C	0 626 0 289 136 154	771 0 1264 499 60 197	0.0 10.6 0.0 1.2 1.5 0.2 22.5	25.7 0.0 26.0 2.2 0.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5
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	D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C D/C D/C D/C S/C D/C D/C S/C D/C D/C	0 626 0 289 136 154 977	771 0 1264 499 60 197 0	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5
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	D/C S/C S/C D/C S/C S/C S/C	0 626 0 289 136 154	771 0 1264 499 60 197	0.0 10.6 0.0 1.2 1.5 0.2 22.5	25.7 0.0 26.0 2.2 0.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5
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	D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C D/C D/C D/C S/C D/C D/C S/C D/C D/C	0 626 0 289 136 154 977	771 0 1264 499 60 197 0	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5
6 7 8 9 10 11 12 13 14	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 BHANPURA-RANPUR BHANPURA-RANPUR	D/C S/C S/C D/C S/C S/C D/C S/C S/C S/C S/C S/C S/C	0 626 0 289 136 154 977 142	771 0 1264 499 60 197 0 292	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2
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	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	D/C S/C S/C D/C S/C S/C S/C S/C D/C S/C S/C	0 626 0 289 136 154 977 142 10 0	771 0 1264 499 60 197 0 292 72 139	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9
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	DIC SIC SIC	0 626 0 289 136 154 977 142 10 0	771 0 1264 499 60 197 0 292 72 139 0	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0	25.7 0.0 26.0 2.2 0.0 0.0 1.3 1.2 1.9 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3
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	GWALIOR-ORAI SATNA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	D/C S/C S/C D/C S/C S/C S/C S/C D/C S/C S/C	0 626 0 289 136 154 977 142 10 0	771 0 1264 499 60 197 0 292 72 139 0 222	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0
6 7 8 9 10 11 12 13 14 15 16 17	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 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-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	DIC SIC SIC	0 626 0 289 136 154 977 142 10 0	771 0 1264 499 60 197 0 292 72 139 0	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0	25.7 0.0 26.0 2.2 0.0 0.0 1.3 1.2 1.9 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3
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 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 MALAMPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR)	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56	771 0 1264 499 60 197 0 292 72 139 0 WR-NR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7
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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B	DIC SIC SIC	0 626 0 289 136 154 977 142 10 0	771 0 1264 499 60 197 0 292 72 139 0 222	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 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 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 MALAMPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR)	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56	771 0 1264 499 60 197 0 292 72 139 0 WR-NR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7
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-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 1.3 1.2 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7
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 220 kV 220 kV 220 kV 132 kV htt/Export of WR HVDC HVDC	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL VICHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MHAUGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	DIC SIC SIC DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56 0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 1.3 1.2 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7
6 7 8 9 10 11 12 13 14 15 16 17 18 Impo	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) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56 0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 158.1	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7
6 7 8 9 10 11 12 13 14 15 16 17 18 Impo	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 17/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 GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI	DIC SIC SIC DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 177 142 10 0 102 56 0	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 0.0 38.3	25.7 0.0 26.0 2.2 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 2.4 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2
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 BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56 0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR 1006 0 2531 3487 0 0	0.0 10.6 0.0 1.2 1.5 0.2 2.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 -61.0 10.2
6 7 8 9 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 rt/Export of WR HVDC T65 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-RIZAMBAD KOLHAPUR-KHÜGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56 0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR 1006 0 2531 3487 0 92	0.0 10.6 0.0 11.5 0.2 22.5 0.8 0.0 0.0 1.3 0.0 0.0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4
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 BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56 0	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0 0 92	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.1 0.0 0.0 0.0 1.0 1.0 1.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 24.0 0.0 158.1	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4 1.5
6 7 8 9 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 rt/Export of WR HVDC T65 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-RIZAMBAD KOLHAPUR-KHÜGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 977 142 10 0 102 56 0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR 1006 0 2531 3487 0 92	0.0 10.6 0.0 11.5 0.2 22.5 0.8 0.0 0.0 1.3 0.0 0.0 1.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 0.0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4
6 7 8 9 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 rt/Export of WR HVDC T65 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-RIZAMBAD KOLHAPUR-KHÜGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	DIC SIC SIC DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 977 142 10 0 0 102 56 0 0 0 0 0 842 0 0 0 1 1	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.1 0.0 0.0 0.0 1.0 1.0 1.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 24.0 0.0 158.1	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4 1.5
6 7 8 9 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 17Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 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) BHADRAWATI B/B BHASUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	DIC SIC SIC DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 977 142 10 0 102 56 0 0 0 0 842 0 0 1 1	771 0 164 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 0 2531 3487 0 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 0.0 1.3 0.4 0.0 0.0 1.3 1.3 1.4 0.0 1.5 1.5 11.7	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 158.1 24.0 0.0 0.0 158.1	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 0.4 0.0 -119.7 -24.0 0.0 -41.0 10.2 0.0 -41.0 10.2 10.2
6 7 8 9 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 rt/Export of WR HVDC T65 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-RIZAMBAD KOLHAPUR-KHÜGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	DIC SIC SIC DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 977 142 10 0 0 102 56 0 0 0 0 0 842 0 0 0 1 1	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.1 0.0 0.0 0.0 1.0 1.0 1.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 24.0 0.0 158.1	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4 1.5 -115.6
6 7 8 9 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 17Export of WR HVDC HVDC 765 kV 400 kV 220 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 MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KHÜGÖI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	DIC	0 626 0 0 289 136 154 977 142 10 0 102 56 0 0 0 0 0 0 842 0 0 0 1 1 NATIONAL EXCHAN	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 25531 3487 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.1 1.1 0.0 0.0 0.0 0.0 0.0	25.7 0.0 0.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 1.4 0.0 127.3	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4 1.5 -115.6 Energy Exchange (MU)
6 7 8 9 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 17Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 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) BHADRAWATI B/B BHASUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	DIC SIC SIC DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 977 142 10 0 102 56 0 0 0 0 0 0 842 0 0 0 1 1 NATIONAL EXCHAN	771 0 164 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 0 2531 3487 0 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 0.0 1.3 0.4 0.0 0.0 1.3 1.3 1.4 0.0 1.5 1.5 11.7	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 158.1 24.0 0.0 0.0 158.1	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4 1.5 -115.6
6 7 8 9 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 17Export of WR HVDC HVDC 765 kV 400 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CCHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION REGION	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR 1006 0 2531 3487 0 0 WR-SR IGES	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.3 1.1 1.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 0.0 1.4 0.0 4.7 3 4.7 4.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 -10.2 0.0 -1.4 1.5 -115.6 Energy Exchange (MU) 0.0
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6 7 8 9 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 rt/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL V'CCHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION REGION	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 977 142 10 0 102 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR IGES Max (MW) 0	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.3 1.1 1.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 0.0 1.4 0.0 4.7 3 4.7 4.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 -10.2 0.0 -1.4 1.5 -115.6 Energy Exchange (MU) 0.0
6 7 8 9 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 rt/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL VICHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR GWALIOR-SAWAI MADHOPUR (With SR) BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 977 142 10 0 102 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR IGES Max (MW) 0	0.0 10.6 0.0 1.2 1.5 0.2 2.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.3 1.4 1.7 Min (MW)	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 0.0 127.3 Avg (MW) 0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7
6 7 8 9 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 rt/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	DIC	0 626 0 0 289 136 154 1977 142 10 0 102 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 2.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.3 1.4 0.0 0.0 1.5 1.7 Min (MW) 0 0 104 14	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 0.0 41.0 0.0 127.3 Avg (MW) 0 -29 96	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 10.2 0.0 -41.0 11.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8
6 7 8 9 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 rt/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WINTER BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WINTER BHANPURA-MORAK GWALIOR-SAWAI MADHOPUR WINTER BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI REGION REGION REGION ER ER	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 1977 142 10 0 102 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 292 72 139 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR IGES Max (MW) 0 23	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.3 1.7 1.7 Min (MW) 0 0 10.4	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 127.3 Avg (MW) 0 -29	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7
6 7 8 9 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 rt/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHIMMAL VICHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MELANPURA-WAINAM MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOL APUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER ER ER	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 1977 142 10 0 102 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 0.0 38.3 0.4 0.0 0.0 0.0 10.2 0.0 0.0 10.2 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 127.3 Avg (MW) 0 -29 96 34 -14	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.5 -1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.3
6 7 8 9 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 rt/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHINMAL V'CHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 977 142 10 0 0 10 10 10 10 10 10 10 10 10 10 10	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 2.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.3 1.4 0.0 0.0 1.5 1.7 Min (MW) 0 0 104 14	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 0.0 41.0 0.0 127.3 Avg (MW) 0 -29 96	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 10.2 0.0 -41.0 11.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8
6 7 8 9 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 rt/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHIMMAL VICHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MELANPURA-WAINAM MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOL APUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER ER ER	DIC	0 626 0 0 289 136 154 977 142 10 0 10 2 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR	0.0 10.6 0.0 1.2 1.5 0.2 22.5 0.8 0.0 0.0 0.0 38.3 0.4 0.0 0.0 0.0 10.2 0.0 0.0 10.2 10.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 127.3 Avg (MW) 0 -29 96 34 -14	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.5 -1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.3
6 7 8 9 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 132 kV 1400 kV 150 kV 1	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-WICHANDORAK MEHGAON-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	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 0 289 136 154 154 154 160 160 160 160 160 160 160 160 160 160	771 0 1264 499 60 197 0 0 292 72 139 0 22 0 WR-NR 1006 0 0 2531 3487 0 0 0 2531 3487 0 0 2 103 WR-SR	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 10.2 0.0 10.2 0.0 11.5 11.7 Min (MW) 0 0 104 14 0 0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 127.3 Avg (MW) 0 -29 96 34 -14 -24	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -11.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.3 -0.6 -1.2
6 7 8 9 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 rt/Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - SHIMMAL VICHAL - RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK 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 ER NER NER	DIC	0 626 0 0 289 136 154 154 154 160 160 160 160 160 160 160 160 160 160	771 0 1264 499 60 197 0 0 292 72 139 0 22 0 WR-NR 1006 0 2531 3487 0 0 92 103 WR-SR	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 10.2 0.0 10.2 0.0 11.2 11.7 Min (MW) 0 0 104 14 0 0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 127.3 Avg (MW) 0 -29 96 34 -14 -24	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -1.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.6
6 7 8 9 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 132 kV 1400 kV 150 kV 1	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAMPURA-WAINAM MALAMPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REG	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 1977 142 10 0 0 102 56 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 0 292 72 139 0 22 0 WR-NR 1006 0 0 2531 3487 0 0 0 2531 WR-SR GGES Max (MW) 0 23 107 77 23 51 0 0 -235	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 10.2 0.0 10.2 0.0 11.5 11.7 Min (MW) 0 0 104 14 0 0 0 6	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 127.3 Avg (MW) 0 -29 96 34 -14 -24 0 0 -268	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -41.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.6 -1.2 -6.4
6 7 8 9 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 132 kV 1400 kV 150 kV 1	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-WICHANDORAK MEHGAON-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	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 1977 142 10 0 0 102 56 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 0 292 72 139 0 22 0 WR-NR 1006 0 0 2531 3487 0 0 0 2531 3487 0 0 2 103 WR-SR	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 10.2 0.0 10.2 0.0 11.5 11.7 Min (MW) 0 0 104 14 0 0	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 127.3 Avg (MW) 0 -29 96 34 -14 -24	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -11.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.3 -0.6 -1.2
6 7 8 9 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 132 kV 1400 kV 150 kV 1	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VICHAL-RIHAND RAPP-SHUJALPUR BHANPURA-ROPAK MEHGAON-AURAIYA MALAMPURA-RANPUR BHANPURA-WORAK 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 ER NER NER NER NER NER NER NER ER	DIC	0 626 0 0 289 136 154 977 142 10 0 102 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 197 0 0 292 72 139 0 0 22 0 WR-NR 1006 0 0 2531 3487 0 0 0 2531 3487 0 0 0 2531 103 WR-SR GGES Max (MW) 0 23 107 77 23 51 0 0 -235	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 0.0 1.3 0.4 0.0 0.0 1.5 11.7 Min (MW) 0 0 104 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.7 0.0 0.0 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 158.1 24.0 0.0 0.0 158.1 Avg (MW) 0 229 96 34 -14 -24 0 -268	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -41.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.6 -1.2 -6.4 -6.5
6 7 8 9 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 132 kV 1400 kV 150 kV 1	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAMPURA-WAINAM MALAMPUR-AURAIYA GWALIOR-SAWAI MADHOPUR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REG	DIC	0 626 0 0 289 136 154 154 154 160 160 160 160 160 160 160 160 160 160	771 0 1264 499 60 197 0 0 292 72 139 0 22 0 WR-NR 1006 0 0 2531 3487 0 0 0 2531 WR-SR GGES Max (MW) 0 23 107 77 23 51 0 0 -235	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 10.2 0.0 10.2 0.0 11.5 11.7 Min (MW) 0 0 104 14 0 0 0 6	25.7 0.0 26.0 2.2 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 158.1 24.0 0.0 41.0 61.0 0.0 127.3 Avg (MW) 0 -29 96 34 -14 -24 0 0 -268	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -41.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.6 -1.2 -6.4
6 7 8 9 10 11 12 13 14 15 16 17 18 Impo 1 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 132 kV 1400 kV 150 kV 1	GWALIOR-ORAI SATINA-ORAI CHITORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VICHAL-RIHAND RAPP-SHUJALPUR BHANPURA-ROPAK MEHGAON-AURAIYA MALAMPURA-RANPUR BHANPURA-WORAK 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 ER NER NER NER NER NER NER NER ER	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0	771 0 1264 499 60 197 0 0 292 72 139 0 22 0 WR-NR 1006 0 0 2531 3487 0 0 0 2531 3487 0 0 0 2531 103 WR-SR GGES Max (MW) 0 23 107 77 23 51 0 0 -235	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 0.0 1.3 0.4 0.0 0.0 1.5 11.7 Min (MW) 0 0 104 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.7 0.0 0.0 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 158.1 24.0 0.0 0.0 158.1 Avg (MW) 0 229 96 34 -14 -24 0 -268	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -41.0 -61.0 10.2 0.0 -41.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.6 -1.2 -6.4 -6.5
6 7 8 9 10 11 12 13 14 15 16 17 18 Impo 1 2 3 4 5 6 7 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 132 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 MALANPUR-AURAIYA MALANPUR-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 RR NER NER NER NER NER NER NE	DIC	0 626 0 0 289 136 154 977 142 10 0 102 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 137 0 292 72 139 0 WR-NR 1006 0 0 2531 3487 0 0 92 103 WR-SR GGES Max (MW) 0 23 107 77 23 51 0 -235 -284	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.3 1.3 0.4 0.0 0.0 1.3 0.4 0.0 0.0 1.3 0.4 0.0 0.0 0.0 1.3 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.5 11.7	25.7 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 1.3 1.2 1.9 0.0 0.0 1.3 1.4 0.0 0.0 1.58.1 24.0 0.0 0.0 1.4 0.0 1.7 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -119.7 -24.0 0.0 -1.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.3 -0.6 -1.2 -6.4 -6.5 -7.9
6 7 8 9 10 11 12 13 14 15 16 17 18 Impo 1 2 3 4 5 6 7 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 132 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 MALANPUR-AURAIYA MALANPUR-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 RR NER NER NER NER NER NER NE	DIC SIC SIC SIC SIC SIC SIC SIC SIC SIC S	0 626 0 289 136 154 1977 142 10 0 102 56 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	771 0 1264 499 60 137 0 292 72 139 0 WR-NR 1006 0 0 2531 3487 0 0 92 103 WR-SR GGES Max (MW) 0 23 107 77 23 51 0 -235 -284	0.0 10.6 0.0 11.2 1.5 0.2 22.5 0.8 0.0 0.0 1.3 0.4 0.0 38.3 0.0 0.0 0.0 1.3 1.3 0.4 0.0 0.0 1.3 0.4 0.0 0.0 1.3 0.4 0.0 0.0 0.0 1.3 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.5 11.7	25.7 0.0 0.0 1.3 1.2 1.9 0.0 0.0 0.0 1.3 1.2 1.9 0.0 0.0 1.3 1.2 1.9 0.0 0.0 1.3 1.4 0.0 0.0 1.58.1 24.0 0.0 0.0 1.4 0.0 1.7 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-25.7 10.6 -26.0 -1.0 1.5 0.2 22.5 -0.5 -1.2 -1.9 1.3 0.4 0.0 -119.7 -24.0 0.0 -119.7 -24.0 0.0 -1.4 1.5 -115.6 Energy Exchange (MU) 0.0 -0.7 2.3 0.8 -0.3 -0.6 -1.2 -6.4 -6.5 -7.9