

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 3rd June 2022

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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 02.06.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-जून-2022 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 02nd June 2022, 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:	03-Jun-2022
A Design County Design of All India and Designal Local	Date of Reporting.	03-0 dH-2022

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	62531	59120	43765	23456	3140	192012
Peak Shortage (MW)	825	0	0	577	0	1402
Energy Met (MU)	1480	1434	1086	557	59	4616
Hydro Gen (MU)	252	25	74	76	22	450
Wind Gen (MU)	20	166	173	-	-	359
Solar Gen (MU)*	104.55	52.16	115.13	4.89	0.49	277
Energy Shortage (MU)	22.52	0.00	0.00	6.26	0.19	28.97
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66540	63410	50324	24226	3198	202284
Time Of Maximum Demand Met (From NLDC SCADA)	22:16	14:57	14:55	23:16	19:12	14:30

B. Frequency P	rofile (%)						
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.088	2.05	3.55	9.13	14.73	74.08	11.19

All India	0.088	2.05	3.55	9.13	14.73	74.08	11.19	
C. Power Sup	oly Position in States							='
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MID)	Schedule	(MU)	(MW)	Shortage
-		dav(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	9536	0	205.0	99.4	-1.1	74	0.00
	Haryana	9080	57	195.8	127.1	1.4	293	0.66
	Rajasthan	15415	0	307.5	92.3	3.1	455	7.25
	Delhi	6442	0	128.9	116.7	-0.2	244	0.00
NR	UP	24022	870	503.2	247.4	2.1	1141	11.22
	Uttarakhand	2289	0	50.4	31.9	0.1	112	0.08
	HP	1618	0	34.2	10.5	0.7	210	0.00
	J&K(UT) & Ladakh(UT)	2222	0	48.8	28.8	1.3	424	3.31
	Chandigarh	339	0	6.6	6.5	0.1	29	0.00
	Chhattisgarh	4433	0	106.1	52.3	0.0	192	0.00
	Gujarat	20382	0	437.7	194.1	0.0	956	0.00
	MP	11426	0	260.6	141.6	1.0	376	0.00
WR	Maharashtra	25313	0	570.6	177.2	-3.0	1258	0.00
	Goa	622	0	14.5	13.9	0.1	47	0.00
	DNHDDPDCL	1210	0	28.0	27.4	0.6	348	0.00
	AMNSIL	770	0	16.4	9.9	0.4	258	0.00
	Andhra Pradesh	11484	0	229.1	100.9	3.2	1216	0.00
	Telangana	9227	0	187.7	67.2	0.7	513	0.00
SR	Karnataka	11095	0	212.7	36.8	1.3	700	0.00
	Kerala	3794	0	76.9	49.4	-0.4	294	0.00
	Tamil Nadu	16733	0	370.7	155.0	-0.2	955	0.00
	Puducherry	442	0	9.4	9.5	-0.2	40	0.00
	Bihar	6302	245	129.1	117.2	-0.8	269	2.19
	DVC	3526	0	76.4	-42.5	-0.1	260	0.00
	Jharkhand	1386	291	30.3	24.4	0.3	181	4.06
ER	Odisha	6334	0	134.7	59.1	0.6	540	0.00
	West Bengal	8868	0	185.2	57.1	-0.3	617	0.00
	Sikkim	103	0	1.6	1.7	-0.1	21	0.00
	Arunachal Pradesh	140	0	2.6	2.6	-0.1	24	0.00
	Assam	2080	0	38.4	33.0	0.3	113	0.00
	Manipur	196	0	2.6	2.5	0.1	39	0.00
NER	Meghalaya	340	0	5.7	0.2	0.0	50	0.19
	Mizoram	111	0	1.7	1.8	-0.2	15	0.00
	Nagaland	143	0	2.5	2.3	0.1	15	0.00
	Tripura	288	0	5.2	3.7	0.2	40	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	12.8	-0.6	-25.0
D. D. I. (MIN)			

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD	(+)/UD(-)					
	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	291.8	-201.1	-4.1	-90.9	4.3	0.0
Actual(MU)	289.6	-201.4	-11.6	-88.6	1.8	-10.1
O/D/U/D(MU)	-2.1	-0.3	-7.5	2.3	-2.5	-10.1

F. Generation Outage(MW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3283	12886	5598	2610	672	25049	45
State Sector	8603	11209	7811	3070	97	30789	55
Total	11007	24004	12400	57.00	7(0	55927	100

10111	11000	27077	1540)	3000	707	33037	100
G. Sourcewise generation (MU)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	744	1365	581	607	16	3314	70
Lignite	25	15	75	0	0	115	2
Hydro	252	25	74	76	22	450	9
Nuclear	24	33	62	0	0	119	2
Gas, Naptha & Diesel	22	6	8	0	23	59	1
RES (Wind, Solar, Biomass & Others)	141	219	338	5	0	704	15
Total	1209	1662	1139	688	62	4761	100
•							

Share of RES in total generation (%)	11.68	13.17	29.71	0.72	0.79	14.78
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	34.52	16.63	41.68	11.78	36.13	26.72
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H. All India Demand Diversity Factor

Based on Regional Max Demands

Based on State Max Demands

1,027

Based on State Max Demands

1,076

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: 03-Jun-2022

							Date of Reporting:	03-Jun-2022
SI	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	May Export (MW)	Import (MU)	Export (MU)	NET (MU)
No			No. of Circuit	wax import (wiw)	Max Export (MW)	Import (MC)	Export (MC)	NEI (MC)
1mpo	rt/Export of ER (\) HVDC	ALIPURDUAR-AGRA	,	0	350	0.0	8.5	-8.5
2	HVDC	PUSAULI B/B	-	3	49	0.0	0.1	-0.1
3	765 kV	GAYA-VARANASI	2	251	293	0.0	1.5	-1.5
4	765 kV	SASARAM-FATEHPUR	1	0	369	0.0	6.0	-6.0
6		GAYA-BALIA PUSAULI-VARANASI	1	50	716 0	0.0	13.2 0.0	-13.2 0.8
7		PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	0	83	0.0	0.8	-0.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	636	0.0	8.9	-8.9
9	400 kV	PATNA-BALIA	2	0	607	0.0	12.5	-12.5
10	400 kV	NAUBATPUR-BALIA	2	0	647	0.0	13.7	-13.7
11	400 kV	BIHARSHARIFF-BALIA	2	0	492	0.0	5.2	-5.2
12		MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	0 52	408 210	0.0	7.1 2.9	-7.1 -2.9
14	220 kV	SAHUPURI-KARAMNASA	1	0	183	0.0	2.9	-2.9
15	132 kV	NAGAR UNTARI-RIHAND	i	Ü	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17 18	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1 1	0	0	0.0	0.0	0.0
10	132 KV	KARMANASA-CHANDAULI	1	0	ER-NR	1.1	83.1	-82.0
Impo	rt/Export of ER (With WR)			LIC THE	1.1	0011	-02.0
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	25.0	0.0	25.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	963	0	14.4	0.0	14.4
3	765 kV	JHARSUGUDA-DURG	2	0	314	5.6	0.0	5.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	3.7	-3.7
5	400 kV	RANCHI-SIPAT	2	238	0	3.3	0.0	3.3
6	220 kV	BUDHIPADAR-RAIGARH	1	2	87	0.0	1.0	-1.0
7	220 kV	BUDHIPADAR-KORBA	2	149	0	2.0	0.0	2.0
	AZUR I				ER-WR	50.2	4.7	45.5
Impo	rt/Export of ER (With SR)						
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	428	0.0	9.5	-9.5
2		TALCHER-KOLAR BIPOLE	2	0	1042	0.0	24.1	-24.1
3		ANGUL-SRIKAKULAM	2 2	1200	2629	0.0	49.7 0.0	-49.7 20.0
5	400 kV 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	1	1308	0	20.9	0.0	20.9 0.0
				<u> </u>	ER-SR	0.0	83.3	-83.3
Impo	rt/Export of ER (
1	400 kV	BINAGURI-BONGAIGAON	2	0	330	0.0	5.4	-5.4
2		ALIPURDUAR-BONGAIGAON	2	1	428	0.0	5.5	-5.5
3	220 kV	ALIPURDUAR-SALAKATI	2	0	101 ER-NER	0.0	1.6 12.5	-1.6 -12.5
Impo	rt/Export of NER	(With NR)			ERMEN	0.0	1210	-12)
1		BISWANATH CHARIALI-AGRA	2	0	504	0.0	12.1	-12.1
					NER-NR	0.0	12.1	-12.1
	rt/Export of WR (2512	0.0	7(1	761
1 2		CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	0 443	3513 0	0.0	76.1 0.0	-76.1
3		MUNDRA-MOHINDERGARH	2	0	311	8.4 0.0	7.4	8.4 -7.4
4	765 kV	GWALIOR-AGRA	2	Ö	2090	0.0	31.6	-31.6
5		GWALIOR-PHAGI	2	0	1387	0.0	20.5	-20.5
6	765 kV	JABALPUR-ORAI	2	0	996	0.0	29.2	-29.2
7 8	765 kV 765 kV	GWALIOR-ORAI	1	641	0 1024	11.0 0.0	0.0 21.1	11.0
_ 0		SATNA-ORAI					21.1	-21.1
9	765 kV	BANASKANTHA-CHITORGARH	2	918			2.8	
	765 kV 765 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI	2 2	918 0	673 3342	5.2 0.0	2.8 64.6	2.4 -64.6
9 10 11	765 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI	2 2 1	0 298	673 3342 48	5.2 0.0 2.8	64.6 0.0	2.4 -64.6 2.8
9 10 11 12	765 kV 400 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL	2 2 1	0 298 506	673 3342 48 106	5.2 0.0 2.8 4.7	64.6 0.0 0.0	2.4 -64.6 2.8 4.7
9 10 11 12 13	765 kV 400 kV 400 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND	2 2 1 1	0 298 506 974	673 3342 48 106 0	5.2 0.0 2.8 4.7 22.1	64.6 0.0 0.0 0.0	2.4 -64.6 2.8 4.7 22.1
9 10 11 12 13 14	765 kV 400 kV 400 kV 400 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR	2 2 1 1 1 2	0 298 506 974 329	673 3342 48 106 0 396	5.2 0.0 2.8 4.7 22.1 1.4	64.6 0.0 0.0 0.0 3.2	2.4 -64.6 2.8 4.7 22.1 -1.8
9 10 11 12 13 14 15	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	2 2 1 1 1 2 1	0 298 506 974 329	673 3342 48 106 0 396	5.2 0.0 2.8 4.7 22.1 1.4 0.0	64.6 0.0 0.0 0.0	2.4 -64.6 2.8 4.7 22.1
9 10 11 12 13 14 15 16	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA		0 298 506 974 329 0	673 3342 48 106 0 396 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0	64.6 0.0 0.0 0.0 3.2 0.0 2.2 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 -2.2 0.6
9 10 11 12 13 14 15 16 17	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URANYA		0 298 506 974 329 0 0 94 53	673 3342 48 106 0 396 0 30 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4	64.6 0.0 0.0 0.0 3.2 0.0 2.2 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 -2.2 0.6 1.4
9 10 11 12 13 14 15 16 17 18	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1 1	0 298 506 974 329 0 0 94 53	673 3342 48 106 0 396 0 30 0 5	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0	64.6 0.0 0.0 0.0 3.2 0.0 2.2 0.0 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 -2.2 0.6 1.4 0.0
9 10 11 12 13 14 15 16 17	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URANYA		0 298 506 974 329 0 0 94 53	673 3342 48 106 0 396 0 0 5 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0	64.6 0.0 0.0 0.0 3.2 0.0 2.2 0.0 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 -2.2 0.6 1.4 0.0 0.0
9 10 11 12 13 14 15 16 17 18 19 20	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 222 kV 132 kV 132 kV	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	1 1 1 1	0 298 506 974 329 0 0 94 53	673 3342 48 106 0 396 0 30 0 5	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0	64.6 0.0 0.0 0.0 3.2 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 -2.2 0.6 -1.4 0.0 0.0 -201.1
9 10 11 12 13 14 15 16 17 18 19 20	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (VINDHYACHAL-VARANASI ZERDA-KANKROLJ ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANAWA MEHGAON-AURAIYA MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B	1 1 1 1 1 2	0 298 506 974 329 0 0 94 53 0 0	673 3342 48 106 0 396 0 0 5 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.0 1.4 0.0 57.6	64.6 0.0 0.0 0.0 3.2 0.0 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 -2.2 0.6 1.4 0.0 0.0 -201.1
9 10 11 12 13 14 15 16 17 18 19 20 Impo	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 144 kV 145 kV	VINDHYACHAL-VARANASI ZERDA-SHANKOLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHVA MALANPURA-URAHVA MALANPURA-URAHVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARB-PUGALUR	1 1 1 1 1 2	0 298 506 974 329 0 0 0 24 53 0 0	673 3342 48 106 0 396 0 0 0 0 WR-NR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 57.6	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 2.1 -1.8 0.0 -2.2 0.6 1.4 0.0 -201.1 -201.1
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV HVDC HVDC 765 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR WITH SRIP BHADRWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJGHUR	1 1 1 1 1 2	0 298 506 974 329 0 0 94 53 0 0	673 3342 48 106 0 396 0 0 39 0 0 WR-NR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 1.8 0.0 -2.2 0.6 1.4 0.0 0.0 -201.1 9.7 47.6
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 C 140 C 150 C 150 C 150 C 150 C 150 KV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHIJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRWATI B/B BHADRWATI B/B BHADRAWATI B/B RAGHARI-ALITPUR	1 1 1 1 1 2	0 298 506 974 329 0 0 0 0 24 53 0 0 0 94 24 24 24 144 1440 0	673 3342 48 106 0 396 0 30 0 0 WR-NR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 2.1.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 -201.1 -1.9 -36.9
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV HVDC HVDC 765 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR WITH SRIP BHADRWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJGHUR	1 1 1 1 1 1 2 2	0 298 506 974 329 0 0 94 53 0 0	673 3342 48 106 0 396 0 0 39 0 0 WR-NR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 1.8 0.0 -2.2 0.6 1.4 0.0 0.0 -201.1 9.7 47.6
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 17 kV 17 kV 18 kV 18 kV 19 kV 10	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-BANYA MALANPURA-URAIYA MALANPURA-URAIYA WIH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	0 298 506 974 329 0 0 94 53 0 0 0 987 2147 1440 0 1753	673 3342 48 106 0 396 0 0 0 0 0 WR-NR 312 0 1514 2358 0 0 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 57.6 9.7 47.6 5.6 0.0 0.0 0.0	64.6 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 -2.2 0.6 1.4 0.0 -201.1 9.7 47.6 -1.9 -36.9 -24.6 0.0 0.0
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 17 kV 17 kV 18 kV 18 kV 19 kV 10	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANAYUA MALANPURA-WAYAA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI	1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	0 298 506 974 329 0 0 94 53 0 0 0 94 53 0 0 0 1 144 1440 0 1753 0	673 3342 48 106 0 326 0 30 0 0 0 WR-NR 312 0 1514 2358 0 0 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 0.0 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 0.0 -201.1 9.7 47.6 -1.9 -36.9 24.6 0.0 0.0 0.0 -2.2 2.2 2.2
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 17 kV 17 kV 18 kV 18 kV 19 kV 10	VINDHYACHAL-VARANASI ZERDA-SHANKOLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHVA MALANPURA-URAHVA MALANPURA-URAHVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B BHADRAWATI B/B RAJGRAF-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	9 298 506 506 5074 329 0 0 974 53 0 0 987 2147 1440 0 0 1753 0 0 1	673 3342 48 106 0 396 0 0 0 0 0 0 WR-NR 312 0 1514 2358 0 0 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 57.6 9.7 47.6 5.6 0.0 0.0 0.0	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 2.8 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 17 kV 17 kV 18 kV 18 kV 19 kV 10	VINDHYACHAL-VARANASI ZERDA-SHANKOLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHVA MALANPURA-URAHVA MALANPURA-URAHVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B BHADRAWATI B/B RAJGRAF-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	9 298 506 506 5074 329 0 0 974 53 0 0 987 2147 1440 0 0 1753 0 0 1	673 3342 48 106 0 326 0 30 0 0 0 WR-NR 312 0 1514 2358 0 0 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 0.0 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 1.8 0.0 -2.2 0.6 1.4 0.0 0.0 -201.1 9.7 47.6 1.9 -36.9 24.6 0.0 0.0 0.0 -201.4 +ve)/Export(-ve)
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 17 kV 17 kV 18 kV 18 kV 19 kV 10	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAN MEHCAON-AURAHYA MALANPURA-WARAN MALANPURA-WARAN WALANPURA-WARAN WALANPURA-WARAN WALANPUR-AURAHYA WALANPUR-BUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	9 298 506 506 5074 329 0 0 974 53 0 0 987 2147 1440 0 0 1753 0 0 1	673 3342 48 106 0 326 0 30 0 0 0 WR-NR 312 0 1514 2358 0 0 0	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 5.6 9.7 47.6 5.6 0.0 0.0 0.0 24.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 -1.9 -7 47.6 -1.9 -36.9 -24.6 0.0 0.0 -2.2 -36.9 -3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-SHANKOLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHVA MALANPURA-URAHVA MALANPURA-URAHVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B BHADRAWATI B/B RAJGRAF-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	0 298 506 5074 329 0 0 94 53 0 0 0 0 2147 1440 0 1753 0 0 1753 0 0 1753 0 0 0	673 3342 48 106 0 396 0 0 30 0 0 0 WR-NR 312 0 1514 2358 0 0 0 114 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 0.0 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 258.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 1.8 0.0 -2.2 0.6 1.4 0.0 0.0 -201.1 9.7 47.6 1.9 -36.9 24.6 0.0 0.0 0.0 -201.4 +ve)/Export(-ve)
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAN MEHCAON-AURAHYA MALANPURA-WARAN MALANPURA-WARAN WALANPURA-WARAN WALANPURA-WARAN WALANPUR-AURAHYA WALANPUR-BUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	0 298 298 506 5074 329 0 0 94 53 0 0 987 2147 1440 0 1753 0 1 1 CCHANGES Name	673 3342 48 106 0 396 0 0 30 0 0 0 WR-NR 312 0 1514 2358 0 0 0 114 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 5.6 9.7 47.6 5.6 0.0 0.0 0.0 24.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 258.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 -1.9 -7 47.6 -1.9 -36.9 -24.6 0.0 0.0 -2.2 -36.9 -3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 298 506 507 974 329 0 0 94 94 53 0 0 987 2147 1440 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 0 1753 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	673 3342 48 106 0 396 0 30 0 0 0 0 WR-NR 312 0 1514 2358 0 0 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 -1.9 -7 47.6 -1.9 -36.9 24.6 0.0 0.0 0.0 -201.1 -1.9 -36.
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-SHANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-BANYA MALANPURA-URAIYA MALANPURA-URAIYA WITH SINDHAN SAWAH MADHOPUR RAJGHAT-LALITPUR WITH SINDHAN SAWAH MADHOPUR RAJGHAT-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI IN REGION REGION	1	0 298 298 506 974 329 0 0 94 53 0 0 987 2147 1440 0 1753 0 1 1 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW)	673 3342 48 106 0 396 0 39 0 5 5 0 WR-NR 312 0 1514 2358 0 0 0 114 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 0.0 24.6 0.0 0.0 57.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 1.8 0.0 0.6 1.4 0.0 0.0 0.0 -201.1 9.7 47.6 0.0 0.0 2.4 2.4 4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	1 1 1 1 1 1 1 1 1 1	0 298 506 974 329 0 0 0 0 0 94 53 0 0 987 2147 1440 0 1753 0 0 1 1 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4/1804W) URI 12,4 (& 400K) URI 12,4 (& 400K) URI 12,4 (& 400K) URI 12,4 (& 400K)	673 3342 48 106 0 396 0 30 0 0 0 0 WR-NR 312 0 1514 2358 0 0 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 -1.9 -7 47.6 -1.9 -36.9 24.6 0.0 0.0 0.0 -201.1 -1.9 -36.
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-SHANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-BANYA MALANPURA-URAIYA MALANPURA-URAIYA WITH SINDHAN SAWAH MADHOPUR RAJGHAT-LALITPUR WITH SINDHAN SAWAH MADHOPUR RAJGHAT-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI IN REGION REGION	1	0 298 298 506 974 329 0 0 94 53 0 0 987 2147 1440 0 1753 0 1 1 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1;2, (& 400KV) URI 1;2, (& 400KV) URI 1;2, (& 400KV) URI 1;4, (& 400KV)	673 3342 48 106 0 396 0 39 0 5 5 0 WR-NR 312 0 1514 2358 0 0 0 114 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 0.0 24.6 0.0 0.0 57.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 0.0 2.2 0.0 0.0 0.0 0.0 258.7 0.0 0.0 7.5 0.0 0	2.4 -64.6 2.8 4.7 22.1 1.8 0.0 0.6 1.4 0.0 0.0 0.0 -201.1 9.7 47.6 0.0 0.0 2.4 2.4 4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-SHANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-BANYA MALANPURA-URAIYA MALANPURA-URAIYA WITH SINDHAN SAWAH MADHOPUR RAJGHAT-LALITPUR WITH SINDHAN SAWAH MADHOPUR RAJGHAT-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI IN REGION REGION	1	0 298 298 506 974 329 0 0 94 53 0 0 987 2147 1440 0 1753 0 1 1 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1;2, (8 400KV URI 1;4, (8 400KV URI 1;6, (8 400KV URI 1;6, (8 400KV URI 1;6, (8 400KV URI 1;4, (8 400KV URI	673 3342 48 106 0 396 0 39 0 5 5 0 WR-NR 312 0 1514 2358 0 0 0 114 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 0.0 24.6 0.0 0.0 57.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.4 -64.6 2.8 4.7 22.1 1.8 0.0 0.6 1.4 0.0 0.0 0.0 -201.1 9.7 47.6 0.0 0.0 2.4 2.4 4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	1	0 298 298 506 974 329 0 0 94 53 0 0 987 2147 1440 0 1753 0 1 1 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1;2, (8 400KV URI 1;4, (8 400KV URI 1;6, (8 400KV URI 1;6, (8 400KV URI 1;6, (8 400KV URI 1;4, (8 400KV URI	673 3342 48 106 0 0 396 0 0 0 0 WR-NR 312 0 1514 2358 0 0 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 0.0 2.2 0.0 0.0 0.0 0.0 258.7 0.0 0.0 7.5 0.0 0	2.4 -64.6 2.8 4.7 2.1 -1.8 -1.8 -0.0 -2.2 -0.6 1.4 -0.0 -201.1 -1.9 -36.9 -36.9 -24.6 -0.0 -2.2 -2.2 -2.2 -2.2 -2.2 -2.2 -2.2
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-BURATYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER	1	0 298 298 506 974 329 0 0 974 329 0 0 94 53 0 0 987 2147 1440 1753 0 0 1753 0 1 1 CCHANGES Name 4180MW) URI 1,2,4 (& 400RV) UR	673 3342 48 106 0 396 0 39 0 5 0 WR-NR 312 0 1514 2358 0 0 0 114 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 24.6 0.0 0.0 24.6 0.0 0.0 0.0 57.6	64.6 0.0 0.0 0.0 0.0 0.0 2.2 0.0 0.0 0.0 0.0 258.7 0.0 0.0 7.5 0.0 0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.9 -2.2 -2.2 -2.2 -2.2 -2.2 -2.2 -2.2 -2
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	1	0 298 298 506 974 329 0 0 974 329 0 0 94 53 0 0 987 2147 1440 1753 0 0 1753 0 1 1 CCHANGES Name 4180MW) URI 1,2,4 (& 400RV) UR	673 3342 48 106 0 0 396 0 0 0 0 WR-NR 312 0 1514 2358 0 0 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0	2.4 -64.6 2.8 4.7 2.1 -1.8 -0.0 -2.2 -0.6 1.4 0.0 -201.1 9.7 47.6 -1.9 -36.9 24.6 0.0 0.0 0.0 -201.1 -1.9 -36.9 -24.6 -1.9 -36.9 -24.6 -1.9 -36.9 -3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	1	0 298 298 506 506 974 329 0 0 0 94 94 95 95 96 97 974 329 0 0 987 987 1449 0 1753 0 17	673 3342 48 106 0 396 0 396 0 0 0 WR-NR 312 0 WR-NR 312 0 WR-NR 314 2358 0 0 314 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 0.0 57.6 9.7 47.6 5.6 0.0 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0 7.5 0.0 0.0	2.4 -64.6 2.8 4.7 2.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 9.7 47.6 -1.9 -36.9 -24.6 0.0 0.0 0.0 -201.1 -1.9 -36.9 -24.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-RASPUR BHANPURA-BURATYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER	1	0 298 298 506 506 974 329 0 0 0 94 94 95 95 96 97 974 329 0 0 987 987 1449 0 1753 0 17	673 3342 48 106 0 396 0 39 0 5 0 WR-NR 312 0 1514 2358 0 0 0 114 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 24.6 0.0 0.0 24.6 0.0 0.0 0.0 57.6	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 0.6 1.4 0.0 0.0 -201.1 9.7 47.6 0.0 0.0 0.0 0.0 2.1 1.9 -36.9 24.6 0.0 0.0 0.0 0.0 -201.1 9.7 45.2 (+ve)/Export(-ve) Energy Exchange (MI) 6.5
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 298 298 506 506 974 329 0 0 94 53 0 0 987 2147 1449 0 1753 0 1 1 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MV) URI 1)£ (8 400KV)	673 3342 48 106 0 396 0 396 0 0 0 WR-NR 312 0 WR-NR 312 0 WR-NR 314 2358 0 0 314 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 0.0 57.6 9.7 47.6 5.6 0.0 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0 7.5 0.0 0.0	2.4 -64.6 2.8 4.7 2.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 9.7 47.6 -1.9 -36.9 -24.6 0.0 0.0 0.0 -201.1 -1.9 -36.9 -24.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	1	0 298 298 506 506 974 329 0 0 94 94 53 0 987 1440 0 987 1440 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1864 1974 1974 1974 1974 1974 1974 1974 197	673 3342 48 106 0 396 0 396 0 0 0 WR-NR 312 0 WR-NR 312 0 WR-NR 314 2358 0 0 314 WR-SR	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 0.0 57.6 9.7 47.6 5.6 0.0 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0 0.0 0.0 0.0 2.2 0.0 0.0 0.0 0.0 0.0 0.0 7.5 0.0 0.0	2.4 -64.6 2.8 4.7 2.1 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 9.7 47.6 -1.9 -36.9 -24.6 0.0 0.0 0.0 -201.1 -1.9 -36.9 -24.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 298 298 506 506 974 329 0 0 94 94 53 0 987 1440 0 987 1440 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1753 0 0 1864 1974 1974 1974 1974 1974 1974 1974 197	673 3342 48 106 0 396 0 0 396 0 0 STANDARY STAND	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 24.6 0.0 0.0 2.2 89.6 Min (MW) 0 89	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 0.6 1.4 0.0 0.0 0.0 -201.1 9.7 47.6 0.0 0.0 0.0 0.0 2.21 47.6 0.0 0.0 0.0 -201.1 9.7 47.6 6.5 5.4 2.4 0.3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGHAP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLJAPUR-KUDGI KOLJAPUR-KUDGI KOLJAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	1	0 298 298 506 506 974 329 0 0 0 94 94 95 95 96 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	673 3342 48 106 0 396 0 396 0 0 5 0 WR-NR 312 0 0 1514 2358 0 0 0 WR-SR Max (MW) 316 258	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0	2.4 -64.6 2.8 4.7 2.1 -1.8 -1.8 -0.0 -2.2 -0.6 1.4 -0.0 -201.1 -1.9 -36.9 -24.6 -0.0 -0.0 -2.2 -2.2 -4.2 -1.9 -3.6.9 -2.1 -1.9 -3.6.9 -2.1 -1.9 -3.6.9 -2.1 -1.9 -3.6.9 -2.1 -1.9 -3.6.9 -2.1 -1.9 -3.6.9 -2.1 -1.9 -3.6.9 -2.1 -1.9 -3.6.9 -2.1 -1.9 -3.6.9 -2.1 -1.9 -3.6.
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 132 kV State SkV 400 kV 220 kV 400 kV 500	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	1	0 298 298 506 506 974 329 0 0 0 94 94 95 95 96 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	673 3342 48 106 0 396 0 0 396 0 0 STANDARY STAND	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 24.6 0.0 0.0 2.2 89.6 Min (MW) 0 89	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 0.0 0.6 1.4 0.0 0.0 0.0 -201.1 9.7 47.6 0.0 0.0 0.0 0.0 2.21 47.6 0.0 0.0 0.0 -201.1 9.7 47.6 6.5 5.4 2.4 0.3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAWA MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SR BHADRAWATI B/B RAJGRHS-PUGALUR SOLAPUR-RAICHUR WORDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI X	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2	0 298 298 506 506 974 329 0 0 94 536 0 987 10 987 1440 1753 0 1753 0 1753 0 1753 0 180 1753 0 180 180 180 180 180 180 180 180 180 1	673 3342 48 106 0 396 0 396 0 0 S S WR-NR 312 0 US 1514 2358 0 0 0 114 WR-SR Max (MW) 316 258 124 17 61 -78	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 24.6 0.0 0.0 2.2 89.6 Min (MW) 0 89 0 28	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.9 -2.0 -2.0 -2.0 -1.4 -0.0 -2.0 -2.0 -1.9 -36.9 -2.1 -1.9 -36.9 -2.4.6 -0.0 -0.0 -2.1 -1.9 -36.9 -2.4.6 -0.0 -2.2 -2.2 -2.4.6 -0.0 -2.2 -2.2 -2.2 -4.5.2 -4.6 -6.5 -6.5 -6.5 -6.5 -6.5 -6.6 -6.6 -6
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGHAP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLJAPUR-KUDGI KOLJAPUR-KUDGI KOLJAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2	0 298 298 506 506 974 329 0 0 0 94 94 95 95 96 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	673 3342 48 106 0 396 0 396 0 0 5 0 WR-NR 312 0 0 WR-NR 312 1514 2358 0 0 0 WR-SR Max (MW) 316 258	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 5.6 0.0 2.4.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	64.6 0.0 0.0	2.4 -64.6 2.8 4.7 2.1 -1.8 -1.8 -0.0 -2.2 0.6 1.4 0.0 -201.1 9.7 47.6 -1.9 -36.9 24.6 0.0 0.0 0.0 -201.1 -1.9 -36.9 -24.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3.6 -3
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAWA MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SR BHADRAWATI B/B RAJGRHS-PUGALUR SOLAPUR-RAICHUR WORDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI X	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2	0 298 298 506 506 974 329 0 0 94 536 0 987 10 987 1440 1753 0 1753 0 1753 0 1753 0 180 1753 0 180 180 180 180 180 180 180 180 180 1	673 3342 48 106 0 396 0 396 0 0 S S WR-NR 312 0 US 1514 2358 0 0 0 114 WR-SR Max (MW) 316 258 124 17 61 -78	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 24.6 0.0 0.0 2.2 89.6 Min (MW) 0 89 0 28	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.9 -2.0 -2.0 -2.0 -1.4 -0.0 -2.0 -2.0 -1.9 -36.9 -2.1 -1.9 -36.9 -2.4.6 -0.0 -0.0 -2.1 -1.9 -36.9 -2.4.6 -0.0 -2.2 -2.2 -2.4.6 -0.0 -2.2 -2.2 -2.2 -4.5.2 -4.6 -6.5 -6.5 -6.5 -6.5 -6.5 -6.6 -6.6 -6
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAWA MEHCAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WITH SR BHADRAWATI B/B RAJGRHS-PUGALUR SOLAPUR-RAICHUR WORDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI X	1	0 298 298 506 506 974 329 0 0 94 536 0 987 10 987 1440 1753 0 1753 0 1753 0 1753 0 180 1753 0 180 180 180 180 180 180 180 180 180 1	673 3342 48 106 0 396 0 396 0 0 S S WR-NR 312 0 US 1514 2358 0 0 0 114 WR-SR Max (MW) 316 258 124 17 61 -78	5.2 0.0 2.8 4.7 22.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 24.6 0.0 0.0 2.2 89.6 Min (MW) 0 89 0 28	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.9 -2.0 -2.0 -2.0 -1.4 -0.0 -2.0 -2.0 -1.9 -36.9 -2.1 -1.9 -36.9 -2.4.6 -0.0 -0.0 -2.1 -1.9 -36.9 -2.4.6 -0.0 -2.2 -2.2 -2.4.6 -0.0 -2.2 -2.2 -2.2 -4.5.2 -4.6 -6.5 -6.5 -6.5 -6.5 -6.5 -6.6 -6.6 -6
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAJGHAT-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER NER NER NER	1	0 298 298 506 974 329 0 0 0 0 0 987 2147 1440 0 1753 0 0 1753 0 0 1753 0	673 3342 48 48 106 0 396 0 396 0 0 5 0 WR-NR 312 0 0 1514 2358 0 0 0 WR-SR Max (MW) 316 258 124 17 61 -78	5.2 0.0 2.8 4.7 2.1 1.4 0.0 0.0 0.6 1.4 0.0 0.6 1.4 0.0 57.6 9.7 47.6 5.6 0.0 0.0 2.4.6 0.0 0.0 0.0 0.0 2.2 89.6 Min (MW) 0 89 0 43	64.6 0.0 0.0	2.4 -64.6 2.8 4.7 2.1 -1.8 -1.8 -0.0 -2.2 -1.8 -1.8 -0.0 -2.1 -1.9 -3.6 -201.1 9.7 47.6 -1.9 -36.9 -24.6 -0.0 -0.0 -201.1 -1.9 -36.9 -24.6 -0.0 -2.2 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9
9 10 11 12 13 14 15 16 17 18 19 20 1 12 3 4 4 5 5 6 6 7 7 8	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 765 kV 220 kV 220 kV 322 kV 132 kV 140 kV 220 kV 220 kV 322 kV 322 kV 323 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 332 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-BANPUR BHANPURA-BANPUR BHANPURA-BANPUR BHANPURA-BANPUR WITH SHANPURA-BANPUR BHANPURA-BANPUR WITH SRI BHADRAWATI B/B RAJGHAF-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-BANBEWADI XELDEM-BANB	1	0	673 3342 48 106 0 0 396 0 0 0 0 S S 0 WR-NR 312 0 1514 2358 0 0 0 1114 WR-SR Max (MW) 316 258 124 17 61 -78 81	5.2 0.0 2.8 4.7 2.1 1.4 0.0 0.0 0.6 1.4 0.0 0.0 57.6 9.7 47.6 0.0 24.6 0.0 0.0 2.2 89.6 Min (MW) 0 89 0 28 0 0 43	64.6 0.0 0.0 0.0 0.0 3.2 0.0 0.0	2.4 -64.6 2.8 4.7 22.1 -1.8 -0.9 -2.0 -2.0 -2.0 -2.0 -1.4 -0.0 -2.0 -2.1 -1.9 -36.9 -24.6 -0.0 -0.0 -2.1 -1.9 -36.9 -2.4.6 -0.0 -2.2 -2.2 -2.4.6 -0.0 -2.2 -2.2 -1.6 -1.9 -3.6.9 -1.19 -3.6.9 -
9 10 11 12 13 14 15 16 17 18 19 20 1 12 3 4 4 5 5 6 6 7 7 8	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAJGHAT-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER NER NER NER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	673 3342 48 48 106 0 396 0 396 0 0 5 0 WR-NR 312 0 0 1514 2358 0 0 0 WR-SR Max (MW) 316 258 124 17 61 -78	5.2 0.0 2.8 4.7 2.1 1.4 0.0 0.0 0.6 1.4 0.0 0.6 1.4 0.0 57.6 9.7 47.6 5.6 0.0 0.0 2.4.6 0.0 0.0 0.0 0.0 2.2 89.6 Min (MW) 0 89 0 43	64.6 0.0 0.0	2.4 -64.6 2.8 4.7 2.1 -1.8 -1.8 -0.0 -2.2 -0.6 -1.4 -0.0 -201.1 -1.9 -36.9 -24.6 -0.0 -2.2 -4.6 -0.0 -2.2 -1.9 -36.9 -2.4 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9 -2.1 -1.9 -36.9