

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPËRATION CORPORATION LIMITED पाँवर 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

दिनांक: 20th Dec 2020

Ref: POSOCO/NLDC/SO/Daily PSP Report

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 19.12.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-दिसम्बर -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 19th December 2020, is available at the NLDC website.

धन्यवाद,

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



Report for prev	ious day v Position at All India and Regional level				Dat	e of Reporting:	20-Dec-2020
THE CHICA SUPPL	7 Control de 111 India dad Regional Iever	NR	WR	SR	ER	NER	TOTAL
Demand Met dur	ing Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	51950	51324	38903	17415	2517	162109
Peak Shortage (M	IW)	625	0	0	0	29	654
Energy Met (MU)	1023	1197	891	356	45	3512
Hydro Gen (MU)		112	40	58	33	13	256
Wind Gen (MU)		9	77	81	-	-	168
Solar Gen (MU)*		36.51	32.53	78.87	4.46	1.53	154
Energy Shortage	(MU)	12.82	0.00	0.00	0.00	0.80	13.62
Maximum Demai	nd Met During the Day (MW) (From NLDC SCADA)	53310	58733	44645	17942	2609	171638
Time Of Maximu	m Demand Met (From NLDC SCADA)	09:43	10:40	09:21	17:50	17:56	09:45
B. Frequency Pr	rofile (%)						
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.026	0.00	0.00	0.82	0.82	77.77	21.41
C Power Suppl	Position in States						

All India	0.026	0.00	0.00	0.82	0.82	77.77	21.41	
C. Power Sup	ply Position in States							
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	2.570	Schedule	2.50		Shortage
		day(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Puniab	6504	0	128.6	62.4	-1.4	77	0.00
	Harvana	6719	0	136.8	98.0	1.3	240	0.02
	Rajasthan	13528	0	250.9	81.1	1.6	389	0.00
	Delhi	4106	0	68.1	51.2	-1.3	190	0.00
NR	UP	17499	0	305.7	100.9	-0.4	609	0.00
	Uttarakhand	2179	0	39.7	25.7	1.6	180	1.55
	HP	1815	0	32.9	26.4	0.8	359	0.05
	J&K(UT) & Ladakh(UT)	2781	550	56.5	48.8	2.7	331	11.20
	Chandigarh	231	0	3.9	3.8	0.1	17	0.00
	Chhattisgarh	3804	0	83.0	25.5	-0.3	192	0.00
	Gujarat	16113	0	334.1	62.6	3.9	1064	0.00
	MP	14301	0	273.2	164.7	-0.6	430	0.00
WR	Maharashtra	22554	0	455.0	152.2	-2.1	662	0.00
	Goa	457	0	9.6	9.5	0.1	32	0.00
	DD	303	0	5.5	5.2	0.3	42	0.00
	DNH	794	0	18.4	18.4	0.0	41	0.00
	AMNSIL	822	0	18.0	10.2	0.2	250	0.00
	Andhra Pradesh	8176	0	162.2	78.4	0.9	586	0.00
	Telangana	10002	0	188.3	71.9	-0.5	986	0.00
SR	Karnataka	11237	Ů	208.0	74.2	-0.4	584	0.00
524	Kerala	3408	0	69.4	55,2	0.7	258	0.00
	Tamil Nadu	12373	0	256.4	159.3	-3.0	472	0.00
	Puducherry	340	0	6.8	7.3	-0.6	16	0.00
	Bihar	4583	0	80.7	79.3	-0.1	280	0.00
	DVC	3075	0	66.0	-37.3	0.2	376	0.00
	Jharkhand	1395	0	25.8	20.6	-2.0	65	0.00
ER	Odisha	3691	0	67.4	-1.2	-0.7	387	0.00
LK	West Bengal	6140	0	114.2	9.8	0.5	457	0.00
	Sikkim	140	0	2.3	1.9	0.4	47	0.00
	Arunachal Pradesh	135	2	2.3	2.2	0.0	20	0.00
	Assam	1431	18	24.0	18.7	1.2	117	0.50
	Manipur	230	2	3.1	3.4	-0.3	56	0.02
NER	Meghalaya	391	0	6.4	3.3	0.5	65	0.02
HER	Mizoram	118	1	1.6	1.6	-0.3	48	0.23
	Nagaland	133	2	2.2	1.8	0.2	27	0.01
	Tripura	211	1	5.4	1.6	0.1	21	0.00
	111pura	411		3.4	1.0	0.1	41	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)								
	Bhutan	Nepal	Bangladesh					
Actual (MU)	7.0	-8.5	-14.8					
Day Peak (MW)	328.0	-118.6	-895.0					

 $\underline{\textbf{E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)}\\$

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	274.7	-280.4	130.1	-125.3	0.9	0.0
Actual(MU)	272.2	-272.8	112.0	-121.0	2.1	-7.5
O/D/U/D(MU)	-2.5	7.5	-18.1	4.3	1.2	-7.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7016	14985	9222	2170	872	34265
State Sector	9711	15513	12917	4772	47	42959
Total	16727	30497	22139	6942	919	77224

G. Sourcewise generation (MU)

G. Sourcewise generation (MC)						
	NR	WR	SR	ER	NER	All India
Coal	509	1271	432	465	8	2684
Lignite	19	12	29	0	0	60
Hydro	112	40	58	33	13	256
Nuclear	28	28	62	0	0	118
Gas, Naptha & Diesel	24	27	12	0	24	87
RES (Wind, Solar, Biomass & Others)	76	111	195	4	2	388
Total	769	1488	787	502	47	3593
Share of RES in total generation (%)	0.01	T 45	24.56	0.00	2.25	10.70
	9.91	7.45	24.76	0.88	3.25	10.79
Share of Non-faccil fuel (Hydro Nuclear and DES) in total generation(%)	20 12	12.02	20.00	7.40	21.26	21 21

H. All India Demand Diversity Factor

III III III III III III III III III II	
Based on Regional Max Demands	1.033
Based on State Max Demands	1.059

Based on State Max Demands

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: 20-Dec-2020

						Date of Reporting:	20-Dec-2020
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER	(With NR)		-	_		-	
1 HVDC 2 HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	0 299	0.0	0.0 7.1	0.0 -7.1
3 765 kV	GAYA-VARANASI	2	0	1546	0.0	18.7	-7.1 -18.7
4 765 kV	SASARAM-FATEHPUR	1	61	354	0.0	3.4	-3.4
5 765 kV 6 400 kV	GAYA-BALIA PUSAULI-VARANASI	i	0 43	649 238	0.0	5.7 4.4	-5.7 -4.4
7 400 kV	PUSAULI -ALLAHABAD	1	0	172	0.0	2.6	-2.6
8 400 kV 9 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	4	0	889 1388	0.0	10.8 21.1	-10.8 -21.1
10 400 kV	BIHARSHARIFF-BALIA	2	0	524	0.0	7.2	-7.2
11 400 kV 12 400 kV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	0 48	380 428	0.0	6.6 2.2	-6.6 -2.2
13 220 kV	PUSAULI-SAHUPURI	í	59	45	0.4	0.0	0.4
14 132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15 132 kV 16 132 kV	GARWAH-RIHAND KARMANASA-SAHUPURI	1	20	0	0.4	0.0	0.4
17 132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
Import/Export of ER	(With WR)			ER-NR	0.8	89.7	-88.9
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	421	937	0.0	3.7	-3.7
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	886	343	6.6	0.0	6.6
3 765 kV	JHARSUGUDA-DURG	2	0	371	0.0	4.8	-4.8
4 400 kV	JHARSUGUDA-RAIGARH	4	140	506	0.0	5.0	-5.0
5 400 kV 6 220 kV	RANCHI-SIPAT	2	276	228	2.4	0.0	2.4
6 220 kV 7 220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	2	0	155	0.0	2.1	-2.1
•			86	105 ER-WR	9.0	0.4 15.9	-0.4 -7.0
Import/Export of ER							
1 HVDC 2 HVDC	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	2 2	0 16	440 1641	0.0	7.3 11.8	-7.3 -11.8
3 765 kV	ANGUL-SRIKAKULAM	2	0	2801	0.0	50.5	-50.5
4 400 kV	TALCHER-I/C	2	1431	915	18.9	0.0	18.9
5 220 kV	BALIMELA-UPPER-SILERRU	1 1	1	0 ER-SR	0.0	0.0 69.6	0.0 -69.6
Import/Export of ER	(With NER)						
1 400 kV 2 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2	238 384	96 131	2.3 3.7	0.0	2.3 3.7
3 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	64	25	0.5	0.0	0.5
I				ER-NER	6.4	0.0	6.4
Import/Export of NEI 1 HVDC	R (With NR) BISWANATH CHARIALI-AGRA	2	486	0	8.9	0.0	8.9
				NER-NR	8.9	0.0	8.9
Import/Export of WR 1 HVDC	(With NR) CHAMPA-KURUKSHETRA	2	0	1506	0.0	36,3	-36,3
2 HVDC	VINDHYACHAL B/B	-	48	53	0.4	0.8	-0.5
3 HVDC	MUNDRA-MOHINDERGARH	2	0	1927	0.0	39.6	-39.6
4 765 kV 5 765 kV	GWALIOR-AGRA PHAGI-GWALIOR	2 2	0	2699 1481	0.0	45.9 19.9	-45.9 -19.9
6 765 kV	JABALPUR-ORAI	2	ŏ	1206	0.0	38.8	-38.8
7 765 kV 8 765 kV	GWALIOR-ORAI SATNA-ORAI	1	787	0 1396	13.1	0.0 26.3	13.1 -26.3
9 765 kV	CHITORGARH-BANASKANTHA	2	164	1098	0.0	10.5	-10.5
10 400 kV	ZERDA-KANKROLI	1	55	179	0.0	0.9	-0.9
11 400 kV 12 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	0 874	407 0	0.0 12.6	4.3 0.0	-4.3 12.6
13 400 kV	RAPP-SHUJALPUR	2	38	540	0.0	4.6	-4.5
14 220 kV 15 220 kV	BHANPURA-RANPUR BHANPURA-MORAK	1	0 11	181	0.0 0.1	2.2 1.1	-2.2 -1.0
16 220 kV	MEHGAON-AURAIYA	i	122	Ŏ	0.7	0.0	0.7
17 220 kV	MALANPUR-AURAIYA	1	74	22	1.6	0.0	1.6
18 132 kV	CIVILITION CLIVILIAN ADVIORUD		0				
19 132 kV	GWALIOR-SAWAI MADHOPUR	1 2	0		0.0	0.0	0.0
	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 2	0	0 WR-NR	0.0 0.0 28.5		0.0 0.0 -202.8
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	2		0 WR-NR	0.0 28.5	0.0 0.0 231.2	0.0 -202.8
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 2	0	0 WR-NR 1016 1244	0.0 28.5 0.0 0.0	0.0 0.0 231.2 19.7 31.3	0.0 -202.8 -19.7 -31.3
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2 2 2	0 0 917	0 WR-NR 1016 1244 2081	0.0 28.5 0.0 0.0 0.0	0.0 0.0 231.2 19.7 31.3 19.8	0.0 -202.8 -19.7 -31.3 -19.8
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2	0	0 WR-NR 1016 1244	0.0 28.5 0.0 0.0	0.0 0.0 231.2 19.7 31.3	0.0 -202.8 -19.7 -31.3
Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2 2 2	0 0 917 125	0 WR-NR 1016 1244 2081 2203 0	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0
Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2	0 0 917 125 1299 0	0 WR-NR 1016 1244 2081 2203 0 0	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0
Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2 2 2	0 0 917 125 1299	0 WR-NR 1016 1244 2081 2203 0	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0
Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 2 1	0 0 917 125 1299 0	0 WR-NR 1016 1244 2081 2203 0 0 0 0 WR-SR	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0 0.0	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0 0.8 -77.0
Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 2 1 1	0 917 125 1299 0 1	0 WR-NR 1016 1244 2081 2203 0 0 0 0 WR-SR	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0 0.0	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0 0.8 -77.0
Import/Export of WR I HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 1 INTER Line 400KV MANGDECHH	0 0 917 125 1299 0 1 1 0 NATIONAL EXCHAI Name	0 WR-NR 1016 1244 2081 2203 0 0 0 40 WR-SR	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0 0.0 0.8 18.5	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 95.5	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0 0.8 -77.0
Import/Export of WR I HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 1 INTER 400KV MANGBECHH Le. ALIPURDUAR RE	0 0 917 125 1299 0 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	0 WR-NR 1016 1244 2081 2203 0 0 0 40 WR-SR	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0 0.0 0.8 18.5	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 95.5	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0 0.8 -77.0
Import/Export of WR I HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARIP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 2 2 1 1 INTER INTER Line 400KV MANGDECHH Le. ALIPURDUAR RE	0 0 917 125 1229 1229 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 WR-NR 1016 1244 2081 2203 0 0 0 40 WR-SR NGES	0.0 28.5 0.0 0.0 0.0 17.7 0.0 0.0 0.8 18.5	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 95.5	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0 0.0 0.8 -77.0 Energy Exchange
Import/Export of WR I HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARIP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 2 2 2 2 1 1	0 0 917 125 1299 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 WR-NR 1016 1244 2081 2203 0 0 0 40 WR-SR NGES	0.0 28.5 0.0 0.0 0.0 17.7 0.0 0.0 0.8 18.5	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 95.5	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 17.7 0.0 0.0 0.8 -77.0 Energy Exchange
Import/Export of WR I HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 2 2 2 2 1 1 INTER Line 400KV MANGDECHH ie. ALIPUMAR RE MANGDECHU HEP 4 400KV TALA-BINAGI	0 0 1917 125 1299 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from =180MW) RI 1,2.4 (& 400kV	0 WR-NR 1016 1244 2081 2203 0 0 0 40 WR-SR NGES Max (MW)	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0 0.0 0.8 18.5 Min (MW)	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 95.5 Avg (MW)	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.0 -0.8 -77.0 Energy Exchange (MII)
Import/Export of WR I HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 2 2 2 2 1 1 INTER Line 400KV MANGDECHH Le. ALIPUUAR RE MANGDECHU HEP 4 400KV TALABINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR	0 0 1917 125 1229 0 1 1 0 NATIONAL EXCHAI Name 180MW) 1811,24 (& 400kV RD i.e. BINAGURI HEP (6*170MW) PARA IAZ (& 220kV	0 WR-NR 1016 1244 2081 2203 0 0 0 40 WR-SR NGES Max (MW)	0.0 28.5 0.0 0.0 0.0 0.0 17.7 0.0 0.0 0.8 18.5 Min (MW)	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 95.5 Avg (MW)	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.0 -0.8 -77.0 Energy Exchange (MII)
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARIP-UGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMARAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI ROHAPUR-RUIGGI ROHA-AMBEWADI RELDEM-AMBEWADI REGION ER ER	2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGU MALBASE-BINAGU RECEIPT (from TAL)- ZORV CHUKHA-BIR	0 0 1917 125 1229 0 1 1 0 NATIONAL EXCHAI Name 180MW) 1811,24 (& 400kV RD i.e. BINAGURI HEP (6*170MW) PARA IAZ (& 220kV	0 WR-NR 1016 1244 2081 2203 0 0 0 40 WR-SR NGES Max (MW)	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.8 18.5	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 0.0 95.5 Avg (MW)	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARIP-UGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMARAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI ROHAPUR-RUIGGI ROHA-AMBEWADI RELDEM-AMBEWADI REGION ER ER	2 2 2 2 2 2 2 2 1 1 INTER Line 400KV MANGDECHH Le. ALIPUUAR RE MANGDECHU HEP 4 400KV TALABINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR	0 0 1917 125 1229 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV	0 WR-NR 1016 1244 2081 2203 0 0 0 40 WR-SR NGES Max (MW)	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.8 18.5	0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 0.0 95.5 Avg (MW)	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SIR) BBHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER	2 2 2 2 2 2 2 1 1 INTER Line 400KY MANGDECHH EMANGDECHH HEPA 400KY TALA BINAGI MALBASE - BINAGU MALBASE - BI	0 0 1917 125 1229 0 1 1 0 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV	0 WR-NR 1016 1244 2081 2203 0 0 0 WR-SR WGES Max (MW) 169	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 17.7 0.0 0.8 18.5 Min (MW) 133	0.0 0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 0.0 134 148	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SIR) BBHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER	2 2 2 2 2 2 2 1 1 INTER Line 400KY MANGDECHH EMANGDECHH HEPA 400KY TALA BINAGI MALBASE - BINAGU MALBASE - BI	0 0 10 1125 1125 11299 0 1 1 1 0 10 10 10 10 10 10 10 10 10 10 10 10 10	0 WR-NR 1016 1244 2081 2203 0 0 0 WR-SR WGES Max (MW) 169	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 17.7 0.0 0.8 18.5 Min (MW) 133	0.0 0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 0.0 134 148	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADBAWATI B/B BHADBAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL). RECEIPT (from CHU 132kV-GEYLEGPHU 132kV Motanga-Rangi	0 0 0 125 1299 1299 0 0 1 125 1299 0 1 1 1 1 1 1 1 1 1	0 WR-NR 1016 1244 2081 2293 0 0 40 WR-SR NGES Max (MW) 140 169	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133	0.0 0.0 1.0 2.31.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII)
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADBAWATI B/B BHADBAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHH ic. ALIPURDUAR RE MANGDECHH ic. ALIPURDUAR RE EIEPT (from TAL- 20kV CHUKHA-BIR MALBASE - BINAGU RECEIPT (from TGH) 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV Motanga-Rangi	0 0 0 1 917 125 1229 0 1 125 1 299 0 1 1 0 NATIONAL EXCHAI Name 1 0 0 NATIONAL EXCHAI Name 1 0 0 NATIONAL EXCHAI Name 1 0 0 NATIONAL EXCHAI NAME 1 1,2 4 (400kV RI 1,2 4 (400k	0 WR-NR 1016 1244 2081 2293 0 0 40 WR-SR NGES Max (MW) 140 169	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133	0.0 0.0 1.0 2.31.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII)
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SIR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RAUGH KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER	2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALJ- 20kV CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132kV GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR	0 0 0 1917 125 1229 0 1 125 1299 0 1 1 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from = 180MW) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV A) i.e. BIRPARA KHA HEP 4*84MW) SALAKATI a iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	0 WR-NR 1016 1244 2081 2203 0 0 40 WR-SR NGES Max (MW) 140 169 31 -22	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 0.0 13.5 Min (MW) 133 137	0.0 0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 0.0 134 148 10 12	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SIR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RAUGH KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER	2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALJ- 20kV CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132kV GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR	0 0 0 1 917 125 1229 0 1 125 1 299 0 1 1 0 NATIONAL EXCHAI Name 1 0 0 NATIONAL EXCHAI Name 1 0 0 NATIONAL EXCHAI Name 1 0 0 NATIONAL EXCHAI NAME 1 1,2 4 (400kV RI 1,2 4 (400k	0 WR-NR 1016 1244 2081 2203 0 0 40 WR-SR NGES Max (MW) 140 169 31 -22	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 0.0 13.5 Min (MW) 133 137	0.0 0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 0.0 134 148 10 12	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALJ- 20kV CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132kV GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR	0 0 0 1917 125 1229 0 1 125 1299 0 1 1 0 NATIONAL EXCHAI NAME U-ALIPURDUAR 1&2 CEIPT (from = 180MW) IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV IRI 1,2,4 (& 400kV A) i.e. BIRPARA KHA HEP 4*84MW) SALAKATI a iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	0 WR-NR 1016 1244 2081 2293 0 0 0 WR-SR WR-SR Max (MW) 140 169 31 -22	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133 137 0 0 0	0.0 0.0 0.0 19.7 13.1.3 19.8 19.8 24.6 0.0 0.0 0.0 0.0 134 148 10 12 -3	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2 -0.3 -0.1
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALJ- 20kV CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132kV GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR	0 0 10 1125 1125 1129 0 1 1 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1 &2 CEIPT (from *180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA I&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI (a KH) - PG) UR - DHALKEBAR DC	0 WR-NR 1016 1244 2081 2293 0 0 0 WR-SR WR-SR Max (MW) 140 169 31 -22	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133 137 0 0 0	0.0 0.0 0.0 19.7 13.1.3 19.8 19.8 24.6 0.0 0.0 0.0 0.0 134 148 10 12 -3	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2 -0.3 -0.1
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SIR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH LE, ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA, BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPRI 132kV-TANAKPRI 132kV-TANAKPRI 132kV-TANAKPRI 400kV-MUZAFFARP	0 0 10 1125 1125 1129 0 1 1 0 NATIONAL EXCHAI Name U-ALIPURDUAR 1 &2 CEIPT (from *180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA I&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI (a KH) - PG) UR - DHALKEBAR DC	0 WR-NR 1016 1244 2081 2203 0 0 0 WR-SR WGES Max (MW) 140 169 31 -22 11 -61	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133 137 0 162	0.0 0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 0.0 134 148 10 12 -3 -55	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2 -0.3 -0.1 -1.3
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SIR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER	2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH LE, ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA, BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPRI 132kV-TANAKPRI 132kV-TANAKPRI 132kV-TANAKPRI 400kV-MUZAFFARP	0 0 0 125 125 125 125 125 125 125 125 1299 0 1 1 125 125 126	0 WR-NR 1016 1244 2081 2203 0 0 0 WR-SR WGES Max (MW) 140 169 31 -22 11 -61	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133 137 0 162	0.0 0.0 0.0 231.2 19.7 31.3 19.8 24.6 0.0 0.0 0.0 0.0 134 148 10 12 -3 -55	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2 -0.3 -0.1 -1.3
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REBER ER	2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le, ALIPURDUAR RE MANGBECHH Le, ALIPURDUAR RE MANGBECHH LE, ALIPURDUAR RE EREPT (from TALL 220kV CHKHA-BIR MALBASE - BINAGU RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-TANAKPUR(M MAHENDRANAGAR 400kV-MUZAFFARP 132KV-BIHAR - NEP/ 132KV-BIHAR - NEP/ 132KV-BIHAR - NEP/	0 0 0 125 1299 1299 0 1 125 1299 0 1 1 1 1 1 1 1 1 1	0 WR-NR 1016 1244 2081 2293 0 0 0 WR-SR WR-SR Max (MW) 140 169 31 -22 11 -61	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133 137 0 162	0.0 0.0 0.0 19.7 13.1.3 19.8 24.6 0.0 0.0 0.0 0.0 0.0 134 148 10 12 -3 -55	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2 -0.3 -0.1 -1.3 -5.3
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAJGGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAJCHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REBER ER	2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGBECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TALJ- 220kV CHUKHA-BIR MALBASE - BINAGU RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDRANAGAR 400kV-MUZAFFARP 132KV-BIHAR - NEP,	0 0 0 125 125 1299 0 1 125 1299 0 1 1 1 1 1 1 1 1 1	0 WR-NR 1016 1244 2081 2293 0 0 0 WR-SR WR-SR Max (MW) 140 169 31 -22 11 -61	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133 137 0 162	0.0 0.0 0.0 19.7 13.1.3 19.8 24.6 0.0 0.0 0.0 0.0 0.0 134 148 10 12 -3 -55	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.2 -0.3 -0.1 -1.3 -5.3
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-GHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER NER NER NER NER ER	2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH 400kV MANGDECHU 400kV MANGDECHU 400kV MANGDECHU 400kV TALA-BINAGI MALBASI- BINAGU MALBASI- BINAGU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDRANAGAR 400kV-MUZAFFARP 132kV-BIHAR - NEP, BHERAMARA HVDC	0 0 0 125 125 1299 0 1 125 1299 0 1 1 125 1299 0 1 1 125 1299 0 1 1 1 120 1 1 1 1 1 1 1 1 1	0 WR-NR 1016 1244 2081 2203 0 0 0 WR-SR NGES Max (MW) 140 169 31 -22 11 -61 -62 -204	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133 137 0 162 -1 -308	0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.1 -1.3 -5.3 -1.8
Import/Export of WR	GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-GHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER NER NER NER NER ER	2 2 2 2 2 2 2 1 1 INTER Line 400KV MANGDECHH 400KV MANGDECHH 400KV TALABINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALJ 220KV CHUKHA-BIR RECEIPT (from TALJ 230KV CHUKHA-BIR AGRECEIPT (from TALJ 240KV - TANAKPUR(N MAHENDRANAGAR) 132KV-TANAKPUR(N MAHENDRANAGAR) 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI	0 0 0 125 1299 1299 0 1 125 1299 0 1 1 125 1299 0 1 1 125 1299 0 1 1 125 1299 0 1 1 120 12	0 WR-NR 1016 1244 2081 2203 0 0 0 WR-SR NGES Max (MW) 140 169 31 -22 11 -61 -62 -204	0.0 28.5 0.0 0.0 0.0 0.0 0.0 17.7 0.0 0.0 18.5 Min (MW) 133 137 0 162 -1 -308	0.0 0.0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 -202.8 -19.7 -31.3 -19.8 -24.6 -17.7 -0.0 -0.0 -0.8 -77.0 Energy Exchange (MII) -3.2 -3.6 -0.1 -1.3 -5.3 -1.8