

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंटोलर ऑफ इंडिया लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 02nd July 2023

Τo,

- 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 01.07.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-जुलाई-2023 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 01st July 2023, is available at the NLDC website.

धन्यवाद,

ग्रिड कंट्रलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

A. Power Supply Position at All India and Regional level

Date of Reporting: 02-Jul-2023

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	67100	51690	46722	24407	3111	193030
Peak Shortage (MW)	120	0	0	0	3	123
Energy Met (MU)	1466	1200	1140	534	60	4400
Hydro Gen (MU)	395	44	46	122	24	632
Wind Gen (MU)	29	150	199	-	-	378
Solar Gen (MU)*	129.31	37.25	117.62	2.80	0.83	288
Energy Shortage (MU)	0.54	0.00	0.00	1.48	1.10	3.12
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	68504	54047	53428	25625	3151	196142
Time Of Maximum Demand Met	22:17	19:41	12:45	23:26	18:52	22:25

B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 18.55 0.045 0.00 8.84 0.43 8.41 72.61

C. Power Supply Position in States

The same of the sa	osition in States	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	O.M.D.	Schedule	(MIII)	(3.4337)	Shortage (MU)
		day (MW)	Demand (MW)	(MU)	(MU)	(MU)	(MW)	
	Punjab	14202	0	309.4	209.0	-1.8	207	0.00
	Haryana	11063	0	227.3	176.8	0.2	312	0.00
	Rajasthan	11627	0	255.1	73.1	-2.3	267	0.00
	Delhi	5634	0	117.1	113.3	-2.0	147	0.00
NR	UP	22244	0	415.4	187.1	-0.3	443	0.06
	Uttarakhand	2024	0	44.1	17.6	0.6	132	0.00
	HP	1624	0	34.9	-9.6	-0.3	129	0.13
	J&K(UT) & Ladakh(UT)	2458	90	52.4	26.0	0.2	144	0.35
	Chandigarh	307	0	6.2	6.4	-0.2	18	0.00
	Railways_NR ISTS	189	0	3.6	3.6	0.1	28	0.00
	Chhattisgarh	4790	0	105.3	59.9	-0.6	480	0.00
	Gujarat	14935	0	325.3	171.0	0.0	754	0.00
	MP	9530	0	204.5	77.5	-4.3	267	0.00
WR	Maharashtra	22091	0	494.1	155.1	-7.3	514	0.00
	Goa	619	0	12.4	12.5	-0.5	45	0.00
	DNHDDPDCL	1211	0	28.4	28.4	0.0	128	0.00
	AMNSIL	790	0	17.7	8.3	-0.1	309	0.00
	BALCO	519	0	12.4	12.5	-0.1	2	0.00
	Andhra Pradesh	11560	0	240.0	68.7	-0.1	703	0.00
	Telangana	10356	0	209.8	90.1	1.3	489	0.00
SR	Karnataka	12037	0	224.9	57.9	1.3	898	0.00
	Kerala	3921	0	78.5	63.8	2.0	409	0.00
	Tamil Nadu	17381	0	376.9	173.2	-3.7	568	0.00
	Puducherry	470	0	10.4	9.9	-0.3	54	0.00
	Bihar	5839	0	109.7	101.4	-1.8	257	1.00
	DVC	3385	0	75.1	-34.2	0.7	312	0.00
	Jharkhand	1653	0	33.8	26.4	-0.7	230	0.49
ER	Odisha	5751	0	123.5	41.9	-0.4	209	0.00
210	West Bengal	9067	0	190.3	70.9	-1.9	247	0.00
	Sikkim	70	0	1.2	1.5	-0.3	1	0.00
	Railways ER ISTS	20	0	0.1	0.4	-0.2	8	0.00
	Arunachal Pradesh	158	0	2.8	2.6	0.0	22	0.00
	Assam	2075	0	39.9	33.0	0.4	113	0.00
	Manipur	182	0	2.6	2.6	0.0	15	0.00
NER	Meghalaya	332	3	5.1	1.6	-0.1	75	1.10
1,11717	Mizoram	122	0	1.9	1.7	-0.2	16	0.00
	Nagaland	150	0	2.7	2.4	-0.1	23	0.00
	Tripura	257	0	4.6	3.9	0.2	75	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	40.8	4.2	-25.2	-11.7
Day Peak (MW)	1989.0	270.0	-1081.0	-607.4

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	298.0	-236.0	84.0	-149.1	3.1	0.0
Actual(MU)	255.5	-239.0	111.5	-133.9	5.1	-0.8
O/D/LI/D(MLI)	-42.5	-3.0	27.5	15.2	2.0	-0.8

F. Generation Outage(MW)

Tr Generalization Guttage(1.1.1.)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4720	13551	6978	2120	818	28187	46
State Sector	8680	16563	5260	2150	241	32893	54
Total	13400	30114	12238	4270	1059	61080	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	662	1238	612	597	14	3122	66
Lignite	28	12	56	0	0	97	2
Hydro	395	44	46	122	24	632	13
Nuclear	30	47	46	0	0	123	3
Gas, Naptha & Diesel	10	8	6	0	23	47	1
RES (Wind, Solar, Biomass & Others)	163	188	333	3	1	689	15
Total	1288	1538	1099	723	61	4709	100
Share of RES in total generation (%)	12.67	12.22	30.33	0.46	1.36	14.67	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.65	18.15	38.71	17.41	40.34	30.73	

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.043
Based on State Max Demands	1.073

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	195423	11:50	110
Non-Solar hr	196142	22:25	231

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

 $* Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

^{**}Note: All generation MU figures are gross
***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)
Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 02-Jul-2023

Sl No Voltage Level						Date of Reporting:	
Sl No 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	ALIPURDUAR-AGRA	2	0	1501	0.0	35.5	-35.5
2 HVDC	PUSAULI B/B		0	97	0.0	2.5	-2.5
3 765 kV	GAYA-VARANASI	2	694	359	0.8	0.0	0.8
4 765 kV 5 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	53	380 636	0.0	4.5 7.9	-4.5 -7.9
6 400 kV	PUSAULI-VARANASI	1	0	117	0.0	1.5	-1.5
7 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	15	85	0.0	0.9	-0.9
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	729	0.0	10.7	-10.7
9 400 kV	PATNA-BALIA	2	0	571	0.0	9.2	-9.2
10 400 kV	NAUBATPUR-BALIA	2	0	595	0.0	9.3	-9.3
11 400 kV	BIHARSHARIFF-BALIA	2	20	274	0.0	1.9	-1.9
12 400 kV	MOTIHARI-GORAKHPUR	2	0	441	0.0	6.8	-6.8
13 400 kV 14 220 kV	BIHARSHARIFF-VARANASI SAHUPURI-KARAMNASA	2	256 21	201 102	0.0	0.5 1.1	-0.5 -1.1
15 132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16 132 kV	GARWAH-RIHAND	1	30	0	0.6	0.0	0.6
17 132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18 132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
				ER-NR	1.4	92.2	-90.8
Import/Export of ER	(With WR)			•		•	•
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1646	0	20.6	0.0	20.6
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	1486	528	16.4	0.0	16.4
3 765 kV	JHARSUGUDA-DURG	2	195	295	0.0	1.6	-1.6
4 400 kV	JHARSUGUDA-RAIGARH	4 2	67	331 220	0.0	2.9	-2.9
5 400 kV 6 220 kV	RANCHI-SIPAT BUDHIPADAR-RAIGARH	1	311	44	1.6 0.0	1.6	1.6 -1.6
7 220 kV	BUDHIPADAR-KAIGARI BUDHIPADAR-KORBA	2	106	0	0.8	0.0	0.8
/ 220 KV	BUDHIFADAR-KOKBA	4	100	ER-WR	39.4	6.0	33.4
Import/Export of ER	(With SR)			ER-WK	33.4	0.0	33.4
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	550	0.0	12.5	-12.5
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	1652	0.0	39.6	-39.6
3 765 kV	ANGUL-SRIKAKULAM	2	Ö	2523	0.0	48.1	-48.1
4 400 kV	TALCHER-I/C	2	0	839	0.0	9.3	-9.3
5 220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
				ER-SR	0.0	100.2	-100.2
Import/Export of ER							
1 400 kV	BINAGURI-BONGAIGAON	2	0	374	0.0	7.0	-7.0
2 400 kV	ALIPURDUAR-BONGAIGAON	2	1	230	0.0	2.6	-2.6
3 220 kV	ALIPURDUAR-SALAKATI	2	0	87	0.0	1.3	-1.3
	(TILL)			ER-NER	0.0	10.8	-10.8
Import/Export of NEI		ı	T				-
1 HVDC	BISWANATH CHARIALI-AGRA	2	0	309	0.0	7.3	-7.3
				NER-NR	0.0	7.3	-7.3
Import/Export of WR							
1 HVDC	CHAMPA-KURUKSHETRA	2	0	3528	0.0	66.5	-66.5
2 HVDC	VINDHYACHAL B/B	-	444	0	12.1	0.0	12.1
3 HVDC	MUNDRA-MOHINDERGARH	2	264	0	6.0	0.0 31.4	6.0
4 765 kV 5 765 kV	GWALIOR-AGRA GWALIOR-PHAGI	2 2	0 234	2473 1809	0.0	19.3	-31.4 -18.7
6 765 kV	JABALPUR-ORAI	2 2	0	989	0.0	22.5	-18.7
7 765 kV	GWALIOR-ORAI	1	916	0	13.1	0.0	13.1
8 765 kV	SATNA-ORAI	i	0	1096	0.0	19.0	-19.0
9 765 kV	BANASKANTHA-CHITORGARH	2	951	673	5.0	3.0	2.0
10 765 kV	VINDHYACHAL-VARANASI	2	0	3284	0.0	59.7	-59.7
11 400 kV	ZERDA-KANKROLI	1	221	112	1.7	0.3	1.4
12 400 kV	ZERDA -BHINMAL	1	504	144	4.6	0.3	4.3
12 400 kV 13 400 kV	VINDHYACHAL -RIHAND	1	959	144 0	4.6 21.9	0.0	21.9
12 400 kV 13 400 kV 14 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 2	959 337	144 0 684	4.6 21.9 1.5	0.0 4.7	21.9 -3.2
12 400 kV 13 400 kV 14 400 kV 15 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 2 1	959 337 0	144 0 684 0	4.6 21.9 1.5 0.0	0.0 4.7 0.0	21.9 -3.2 0.0
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	1 2 1	959 337 0	144 0 684 0 30	4.6 21.9 1.5 0.0	0.0 4.7 0.0 2.5	21.9 -3.2 0.0 -2.5
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 2 1	959 337 0 0 83	144 0 684 0 30 9	4.6 21.9 1.5 0.0 0.0	0.0 4.7 0.0 2.5 0.0	21.9 -3.2 0.0 -2.5 0.6
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	1 2 1	959 337 0	144 0 684 0 30	4.6 21.9 1.5 0.0	0.0 4.7 0.0 2.5	21.9 -3.2 0.0 -2.5
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 2 1	959 337 0 0 83 60	144 0 684 0 30 9	4.6 21.9 1.5 0.0 0.0 0.6 0.3	0.0 4.7 0.0 2.5 0.0 0.1	21.9 -3.2 0.0 -2.5 0.6 0.2
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPÜR BHANPURA-RANPÜR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 2 1 1 1 1 1	959 337 0 0 83 60	144 0 684 0 30 9 27 0	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0	0.0 4.7 0.0 2.5 0.0 0.1	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV	VINDHYACHAL -RIHAND RAPP-SHUUALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 2 1 1 1 1 1	959 337 0 0 83 60	144 0 684 0 30 9 27 0	4.6 21.9 1.5 0.0 0.6 0.3 0.0	0.0 4.7 0.0 2.5 0.0 0.1 0.0	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0
12	VINDHYACHAL -RIHAND RAPP-SHUJALPÜR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B	1 2 1 1 1 1 1 1 2	959 337 0 0 0 83 60 0	144 0 684 0 30 9 27 0 0 WR-NR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 2 1 1 1 1 1 1 2	959 337 0 0 0 83 60 0 0	144 0 684 0 30 9 27 0 0 WR-NR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162,0
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MELAPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	1 2 1 1 1 1 1 1 2	959 337 0 0 0 83 60 0 0	144 0 684 0 30 9 27 0 WR-NR 505 4514	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 -162.0 -8.7 -27.7 3.3
12	VINDHYACHAL -RIHAND RAPP-SHUJALPÜR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PÜGALÜR SOLAPÜR-RAICHÜR WARDHA-NIZAMABAD	1 2 1 1 1 1 1 1 2	959 337 0 0 0 83 60 0 0 376 0 1428	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 67.2	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 2 1 1 1 1 1 2 2	959 337 0 0 83 60 0 0 376 0 1428 0 1264	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2	0.0 4.7 0.0 2.5 0.0 0.1 0.0 2.9 3.7 27.7 4.0 33.7 0.0	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1
12	VINDHYACHAL -RIHAND RAPP-SHUJALPÜR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PÜGALÜR SOLAPÜR-RAICHÜR WARDHA-NIZAMABAD	1 2 1 1 1 1 1 1 2	959 337 0 0 0 83 60 0 0 376 0 1428	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 67.2	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7
12	VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 2 1 1 1 1 1 2 2	959 337 0 0 83 60 0 0 376 0 1428 0 1264	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 7.3 0.0 21.1 0.0	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MELAPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 2 1 1 1 1 1 2 2	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 67.2 1.0 0.0 21.1 0.0 0.0	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0
12	VINDHYACHAL -RIHAND RAPP-SHUJALPÜR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PÜGALÜR SOLAPUR-RAICHÜR WARDHA-NIZAMABAD KOLHAPÜR-KÜDGİ KOLHAPÜR-KÜDGİ KOLHAPÜR-AMBEWADİ XELDEM-AMBEWADİ XELDEM-AMBEWADİ	1 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 119	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 2.1	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MELAPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 CHANGES	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 119 WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 2.1 31.6	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 1.0 0.0 0.0 0.0 0.0 0.0	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve)
12	VINDHYACHAL -RIHAND RAPP-SHUJALPÜR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PÜGALÜR SOLAPUR-RAICHÜR WARDHA-NIZAMABAD KOLHAPÜR-KÜDGİ KOLHAPÜR-KÜDGİ KOLHAPÜR-AMBEWADİ XELDEM-AMBEWADİ XELDEM-AMBEWADİ	1	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 CHANGES	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 119	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 2.1	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 +ve)/Export(-ve) Energy Exchange
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIP-PIGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	959 337 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e.	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MELAPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	959 337 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e.	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 119 WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 2.1 31.6	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 1.0 0.0 0.0 0.0 0.0 0.0	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 +ve)/Export(-ve) Energy Exchange
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIP-PIGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e.	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIP-PIGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	959 337 0 0 0 83 60 0 0 10 0 376 0 1428 0 1264 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 Le. T (from MANGDECHU	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 WR-SR WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6 Min (MW)	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIP-PIGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU 11,2,4 (& 400KV 11) i.e. BINAGURI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIP-PIGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU 11,2,4 (& 400KV 11) i.e. BINAGURI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 WR-SR WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6 Min (MW)	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIPUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 1264 0 0 17 (34 (4 400 V U) i.e. BINAGURI HEP 6*170MW) HEP 6*170MW) HEP 6*120W O	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6 Min (MW) 488	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12
12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 5 400 kV 6 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIP-PIGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 1264 0 0 12,4 (& 400K) CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400K) I i.e. BINAGURI IEP 6*170MW) IARA 1&2 (& 220KV i.e. BIRPARA RECEIPT	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 WR-SR WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6 Min (MW)	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIPUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1	959 337 0 0 0 83 60 0 0 376 0 1428 0 1264 0 0 0 1264 0 0 12,4 (& 400K) CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400K) I i.e. BINAGURI IEP 6*170MW) IARA 1&2 (& 220KV i.e. BIRPARA RECEIPT	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6 Min (MW) 488	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARIPUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI HEP 6*170MW) LEP 6*170MW) LEP 6*170MW LEP BINAGURI LEP 6*170MW LEP 6	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 0.0 21.1 31.6 Min (MW) 488	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW)	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI NELDEM-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI HEP 6*170MW) LEP 6*170MW) LEP 6*170MW LEP BINAGURI LEP 6*170MW LEP 6	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 WR-SR WR-SR	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI HEP 6*170MW) LERA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) LKATI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45 2.51
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI NELDEM-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI HEP 6*170MW) LERA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) LKATI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 WR-SR WR-SR	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI HEP 6*170MW) LERA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) LKATI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45 2.51
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI NELDEM-AMBEWADI SELDEM-AMBEWADI ER ER ER NER	1 2 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 1264 0 0 171,24 (& 400kV tiple, BINAGURI HEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45 2.51 0.56
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1 2 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 0 CHANGES Name -ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI HEP 6*170MW) LERA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) LKATI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45 2.51
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI NELDEM-AMBEWADI SELDEM-AMBEWADI ER ER ER NER	1 2 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 1264 0 0 171,24 (& 400kV tiple, BINAGURI HEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45 2.51 0.56
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI NELDEM-AMBEWADI SELDEM-AMBEWADI ER ER ER NER	1 2 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 1 376 0 1 1428 0 11264 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI IEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45 2.51 0.56
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	1 2 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 1 376 0 1 1428 0 11264 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI IEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 1264 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI IEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI GIA GAR-TANAKPUR(NHPC)	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488 965	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47	21.9 -3.2 0.0 -0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 -21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	1 2 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 1264 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI IEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI GIA GAR-TANAKPUR(NHPC)	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47	21.9 -3.2 0.0 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MII) 13.12 23.45 2.51 0.56
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	1	959 337 0 0 0 83 60 0 0 1 376 0 1428 0 11264 0 0 0 1264 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV U) i.e. BINAGURI IEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI GIA GAR-TANAKPUR(NHPC)	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488 965	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47	21.9 -3.2 0.0 -0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 -21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER ER	1 2 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 1 376 0 1 1428 0 11264 0 0 0 1264 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV II) i.e. BINAGURI HEP 6*170MW) i.e. BINAGURI HEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 2.1 31.6 Min (MW) 488 965	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47 -9	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22 0.00
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAIYA MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	1	959 337 0 0 0 83 60 0 0 1 376 0 1 1428 0 11264 0 0 0 1264 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV II) i.e. BINAGURI HEP 6*170MW) i.e. BINAGURI HEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 21.1 0.0 2.1 31.6 Min (MW) 488 965	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47	21.9 -3.2 0.0 -0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 -21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22
12	VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANDURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER NER NER NER ER ER	1 2 1 1 1 1 1 1 1 1	959 337 0 0 0 83 60 0 0 1 376 0 1 1428 0 11264 0 0 0 1264 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV II) i.e. BINAGURI HEP 6*170MW) i.e. BINAGURI HEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 2.1 31.6 Min (MW) 488 965	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47 -9	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22 0.00
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER ER ER ER	1	959 337 0 0 0 83 60 0 0 376 0 1428 0 11264 0 0 1264 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV tl) i.e. BINAGURI HEP 6°170MW) IARA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) IKATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 2.1 31.6 Min (MW) 488 965 19 18 35	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47 -9 0 185	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22 0.00 4.45
12	VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANDURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER NER NER NER ER ER	1	959 337 0 0 0 83 60 0 0 1 376 0 1 1428 0 11264 0 0 0 1264 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV II) i.e. BINAGURI HEP 6*170MW) i.e. BINAGURI HEP 6*170MW) i.e. BIRPARA RECEIPT 84MW) i.KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 2.1 31.6 Min (MW) 488 965	0.0 4.7 0.0 0.0 2.5 0.0 0.1 0.0 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47 -9	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22 0.00 4.45
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER ER ER ER	1	959 337 0 0 0 83 60 0 0 376 0 1428 0 11264 0 0 1264 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV tl) i.e. BINAGURI HEP 6°170MW) IARA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) IKATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 2.1 31.6 Min (MW) 488 965 19 18 35	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47 -9 0 185	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU1) 13.12 23.45 2.51 0.56 1.12 -0.22 0.00 4.45
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER ER ER ER	1	959 337 0 0 0 83 60 0 0 376 0 1428 0 11264 0 0 1264 0 0 0 1264 0 0 12764 0 0 1288 0 1298 0 1298 0 1208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 2.1 31.6 Min (MW) 488 965 19 18 35	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47 -9 0 185	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22 0.00 4.45 -22.13
12	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI ER ER ER NER ER LER ER ER LER ER LER L	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	959 337 0 0 0 83 60 0 0 376 0 1428 0 11264 0 0 1264 0 0 0 1264 0 0 12764 0 0 1288 0 1298 0 1298 0 1208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	144 0 684 0 30 9 27 0 WR-NR 505 4514 1008 2320 0 0 0 119 WR-SR Max (MW) 647 1037 156 31 59 -53 0 323 -928	4.6 21.9 1.5 0.0 0.0 0.6 0.3 0.0 0.0 0.0 67.2 1.0 0.0 2.1 31.6 Min (MW) 488 965 19 18 35	0.0 4.7 0.0 2.5 0.0 0.1 0.0 0.1 0.0 0.0 229.3 9.7 27.7 4.0 33.7 0.0 0.0 0.0 0.0 75.1 Import(Avg (MW) 547 977 104 23 47 -9 0 185	21.9 -3.2 0.0 -3.2 0.0 -2.5 0.6 0.2 0.0 0.0 -162.0 -8.7 -27.7 3.3 -33.7 21.1 0.0 0.0 2.1 -43.6 (+ve)/Export(-ve) Energy Exchange (MU) 13.12 23.45 2.51 0.56 1.12 -0.22 0.00 4.45 -22.13 -11.69