

## 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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

।दना

दिनांक: 21<sup>th</sup> July 2023

To,

- 1. 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 20.07.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-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 20<sup>th</sup> July 2023, is available at the NLDC website.

धन्यवाद.

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



Date of Reporting: 21-Jul-2023

## Report for previous day

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	73774	54831	44320	26378	3367	202670
Peak Shortage (MW)	1533	0	0	732	32	2297
Energy Met (MU)	1659	1282	1024	609	69	4643
Hydro Gen (MU)	380	46	79	137	32	674
Wind Gen (MU)	4	144	295	-	-	443
Solar Gen (MU)*	117.65	40.67	80.83	5.01	1.08	245
Energy Shortage (MU)	7.48	0.00	0.00	3.99	0.58	12.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	75076	57127	47876	28962	3376	205282
Time Of Maximum Demand Met	23:38	19:42	09:44	23:16	20:09	19:55

B. Frequency Profile (	<u>%</u> )						
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	2.89	2.89	79.99	17.12

C. Power Supply Position in States

	OSITION IN STATES		Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day (MW)	maximum Demand (MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortage (MU)
	Punjab	13908	0	300.8	162.0	-0.2	353	0.00
	Haryana	10934	265	235.6	176.1	-0.2	274	0.45
	Rajasthan	13286	0	283.6	111.5	-0.3	585	3.45
	Delhi	7018	0	140.6	130.7	-2.1	126	0.00
NR	UP	27105	0	557.4	270.5	-1.3	302	1.97
	Uttarakhand	2200	0	46.4	27.1	0.4	201	1.40
	HP	1648	0	33.3	1.4	0.7	176	0.11
	J&K(UT) & Ladakh(UT)	2516	0	50.8	26.4	-1.8	171	0.10
	Chandigarh	380	0	7.5	7.2	0.3	41	0.00
	Railways_NR ISTS	152	0	3.1	3.4	-0.3	8	0.00
	Chhattisgarh	4896	0	108.2	59.0	-1.2	367	0.00
	Gujarat	16767	0	364.8	169.5	-8.2	828	0.00
	MP	11617	0	253.5	153.0	-2.8	459	0.00
WR	Maharashtra	22246	0	482.3	160.7	-3.4	710	0.00
	Goa	587	0	11.9	11.7	-0.2	103	0.00
	DNHDDPDCL	1297	0	30.1	30.0	0.1	92	0.00
	AMNSIL	888	0	18.7	10.3	-0.1	236	0.00
	BALCO	520	0	12.4	12.5	-0.1	3	0.00
	Andhra Pradesh	9013	0	191.3	22.1	-1.7	709	0.00
	Telangana	8984	0	175.2	64.1	-1.5	451	0.00
SR	Karnataka	10512	0	195.9	24.3	-2.4	511	0.00
	Kerala	3961	0	88.0	55.5	1.7	282	0.00
	Tamil Nadu	17070	0	363.5	145.1	-5.7	449	0.00
	Puducherry	452	0	10.0	9.1	0.2	48	0.00
	Bihar	6988	414	153.4	142.2	0.3	253	3.99
	DVC	3404	0	76.9	-37.9	0.0	513	0.00
	Jharkhand	1760	0	36.0	35.5	-0.8	159	0.00
ER	Odisha	6505	0	113.3	35.9	-1.1	498	0.00
	West Bengal	10289	0	228.2	109.0	-0.3	330	0.00
	Sikkim	89	0	1.3	1.2	0.2	37	0.00
	Railways_ER ISTS	21	0	0.2	0.4	-0.1	0	0.00
	Arunachal Pradesh	158	0	2.7	2.4	0.0	57	0.00
	Assam	2304	0	47.1	39.8	0.2	339	0.00
	Manipur	173	0	2.6	2.7	-0.1	21	0.00
NER	Meghalaya	342	0	5.8	0.4	0.0	42	0.58
	Mizoram	109	0	1.9	1.7	-0.2	12	0.00
	Nagaland	164	0	2.8	2.6	-0.1	16	0.00
	Tripura	325	0	6.2	5.8	0.1	60	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Exp	oort(-ve)			
	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	42.8	5.7	-24.9	-17.1
Day Peak (MW)	1996.0	246.0	-1063.0	-744.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	358.1	-272.2	-24.3	-59.6	-2.0	0.0
Actual(MU)	350.7	-267.8	-31.4	-55.1	-0.4	-4.0
O/D/U/D(MU)	-7.4	4.4	-7.1	4.5	1.7	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3187	10184	7818	3680	271	25140	44
State Sector	6395	14606	7443	3580	212	32235	56
Total	9582	24789	15261	7260	483	57375	100

G. Sourcewise generation (Gross) (MU)

G. Sourcewise generation (Gross) (WC)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	800	1365	547	591	16	3319	66
Lignite	28	11	54	0	0	93	2
Hydro	380	46	79	137	32	674	13
Nuclear	29	52	46	0	0	127	3
Gas, Naptha & Diesel	33	22	7	0	29	89	2
RES (Wind, Solar, Biomass & Others)	129	186	390	7	1	712	14
Total	1398	1681	1123	734	77	5014	100
Share of RES in total generation (%)	9.19	11.04	34.76	0.93	1.40	14.21	]
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.44	16.85	45.91	19.52	42.58	30.17	

H. All India Demand	
Paged on Pagional M	Ior Domanda

11. All filula Demand Diversity Factor	
Based on Regional Max Demands	1.034
Based on State Max Demands	1.074

I. All India Peak Demand and shortage at Solar and N	on-Solar Hour
1. All filula I cak Demand and shortage at Bolar and I	on-Solai Houl

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	203181	11:56	20
Non-Solar hr	205282	19:55	1525

Diversity factor = Sum of regional or state maximum demands / All India maximum demand \*\*Note: All generation MU figures are gross

in total generation(%)

<sup>\*\*\*</sup>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
\*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: 21-Jul-2023

Sl No Voltage Level						Date of Reporting:	21-Jul-2023
	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER				-		!	
1 HVDC 2 HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	1000 107	0.0	24.0 2.8	-24.0 -2.8
3 765 kV	GAYA-VARANASI	2	279	388	0.0	0.5	-0.5
4 765 kV 5 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	0	250 686	0.0	2.6 11.3	-2.6 -11.3
6 400 kV	PUSAULI-VARANASI	1	0	104	0.0	1.8	-1.8
7 400 kV 8 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1 2	0	77 686	0.0	0.8 11.6	-0.8 -11.6
9 400 kV	PATNA-BALIA	2	0	392	0.0	7.5	-11.6 -7.5
10 400 kV	NAUBATPUR-BALIA	2	0	388	0.0	7.1 2.3	-7.1
11 400 kV 12 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2 2	35	188 446	0.0	8.2	-2.3 -8.2
13 400 kV	BIHARSHARIFF-VARANASI	2	161	185	0.0	0.4	-0.4
14 220 kV 15 132 kV	SAHUPURI-KARAMNASA NAGAR UNTARI-RIHAND	1	9	118 0	0.0	1.8 0.0	-1.8 0.0
16 132 kV	GARWAH-RIHAND	1	30	0	0.8	0.0	0.8
17 132 kV 18 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	12 0	0.0	0.0	0.0
10 132 KV	RARMANASA-CHARDACIA		V	ER-NR	0.8	82.5	-81.6
Import/Export of ER							
1 765 kV 2 765 kV	JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	4 2	1785 1650	0	23.1 27.8	0.0	23.1 27.8
3 765 kV	JHARSUGUDA-DURG	2	356	103	3.3	0.0	3.3
4 400 kV 5 400 kV	JHARSUGUDA-RAIGARH RANCHI-SIPAT	4 2	122 373	302 0	0.0 5.6	2.1	-2.1 5.6
6 220 kV	BUDHIPADAR-RAIGARH	1	0	149	0.0	2.9	-2.9
7 220 kV	BUDHIPADAR-KORBA	2	80	15 ED WD	0.5	0.0	0.5
Import/Export of ER	(With SD)			ER-WR	60.4	5.0	55.4
1 HVDC	JEYPORE-GAZUWAKA B/B	2	193	0	4.9	0.0	4.9
2 HVDC	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2	0	1637	0.0	29.7	-29.7
3 765 kV 4 400 kV	TALCHER-I/C	2 2	0 489	2019 344	0.0 2.4	27.0 0.0	-27.0 2.4
5 220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
Import/Export of ER	(With NED)			ER-SR	4.9	56.7	-51.8
1 400 kV	(WITH NEK) BINAGURI-BONGAIGAON	2	0	360	0.0	5.2	-5.2
2 400 kV	ALIPURDUAR-BONGAIGAON	2	70	379	0.0	3.6	-3.6
3 220 kV	ALIPURDUAR-SALAKATI	2	0	91 ER-NER	0.0	1.3 10.1	-1.3 -10.1
Import/Export of NEI	R (With NR)			EK-NEK	0.0	10.1	-10.1
1 HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.1	-12.1
T	(With NID)			NER-NR	0.0	12.1	-12.1
Import/Export of WR  1 HVDC	(With NR) CHAMPA-KURUKSHETRA	2	0	5041	0.0	79.8	-79.8
2 HVDC	VINDHYACHAL B/B	-	435	0	0.0	2.6	-2.6
3 HVDC 4 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	260	0 2415	5.9 0.0	0.0 38.3	5.9 -38.3
5 765 kV	GWALIOR-PHAGI	2	0	1606	0.0	27.4	-38.3
6 765 kV	JABALPUR-ORAI	2	0	1251	0.0	41.7	-41.7
7 765 kV 8 765 kV	GWALIOR-ORAI SATNA-ORAI	1	639	0 1087	12.9 0.0	0.0 21.8	12.9 -21.8
9 765 kV	BANASKANTHA-CHITORGARH	2	674	1474	2.5	13.0	-10.5
10 765 kV 11 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI	2	0 146	3621 268	0.0	67.5 2.4	-67.5 -1.8
12 400 kV	ZERDA -BHINMAL	1	302	392	1.4	3.0	-1.6
13 400 kV 14 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	957 49	0 714	21.9 0.0	0.0 8.4	21.9 -8.3
15 220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16 220 kV 17 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	0 115	30	0.0 1.8	2.5	-2.5 1.8
	IMEHGAON-AURAIYA	1	86	0			1.8
18 220 kV	MALANPUR-AURAIYA	1	80	0	1.1	0.0	
18 220 kV 19 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
		1 1 2		0	0.0 0.0	0.0 0.0	0.0 0.0
19 132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 2	0	0	0.0	0.0	0.0
19	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B	-	997	0 0 WR-NR	0.0 0.0 48.0	0.0 0.0 308.4	0.0 0.0 -260.4 21.7
19	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR	2	997 0	0 WR-NR 0 2003	0.0 0.0 48.0 21.7 0.0	0.0 0.0 308.4	0.0 0.0 -260.4 21.7 -17.2
19   132 kV   20   132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2 2 2	997 0 2316 445	0 0 WR-NR 0 2003 478 1692	0.0 0.0 48.0 21.7 0.0 24.8 1.1	0.0 0.0 308.4 0.0 17.2 0.3 12.4	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3
19   132 kV   20   132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2 2	997 0 2316 445 1684	0 0 WR-NR 0 2003 478 1692 0	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9
19	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	997 0 2316 445 1684 0	0 0 WR-NR 0 2003 478 1692 0 0	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0 0.0	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0
19	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	997 0 2316 445 1684 0	0 0 WR-NR 0 2003 478 1692 0 0	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0 0.0	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0
19	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2 1 1	997 0 2316 445 1684 0 0	0 0 WR-NR 0 2003 478 1692 0 0	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3
19	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 1	997 0 2316 445 1684 0 0 0	0 0 WR-NR 0 2003 478 1692 0 0 0 0 WR-SR	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve)
19	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC	997 0 2316 445 1684 0 0 0	0 0 WR-NR 0 2003 478 1692 0 0	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3
19	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	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line	997 0 2316 445 1684 0 0 0 CHANGES	0 0 WR-NR 0 2003 478 1692 0 0 0 101 WR-SR	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9 Import( Avg (MW)	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve) Energy Exchange (MU)
19	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-ALIPURDUAR RECEIPT HEP 4*180MW)	997 0 2316 445 1684 0 0 0 0	0 0 WR-NR 0 2003 478 1692 0 0 0 0 WR-SR	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve) Energy Exchange
19	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	2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI	997 0 2316 445 1684 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. C (from MANGDECHU	0 0 WR-NR 0 2003 478 1692 0 0 0 101 WR-SR	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 29.9  Import( Avg (MW)	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve) Energy Exchange (MU)
19	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	- 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI	0 0 WR-NR 0 2003 478 1692 0 0 0 101 WR-SR	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2	0.0 0.0 308.4 0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9 Import( Avg (MW)	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve) Energy Exchange (MU)
132 kV   20	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	- 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-ALIPURDUAR RECEIPT 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPAI	997 0 2316 445 1684 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. C (from MANGDECHU 11,2,4 (& 400kV) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2 Min (MW)	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 29.9  Import( Avg (MW)  576	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve) Energy Exchange (MU) 13.82
19	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	- 2 2 2 2 2 2 2 1 1 1 1  TERNATIONAL EXC Line 400kV MANGDECHHU ALIPURDUAR RECEIPT HEP 4*180MW) MALBASE - BINAGURI RECEIPT (from TALA H RECEIPT (from TALA H MALBASE - BIRPARA) i	997 0 2316 445 1684 0 0 0 0  CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU (1,2,4 (& 400kV) () i.e. BINAGURI EP 6*170MW) RA 1 R&2 (& 220kV) e. BIRPARA RECEIPT	0 0 WR-NR 0 2003 478 1692 0 0 0 101 WR-SR	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 29.9  Import( Avg (MW)	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve) Energy Exchange (MU)
132 kV   20	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	- 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-ALIPURDUAR RECEIPT 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPAI	997 0 2316 445 1684 0 0 0 0  CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU (1,2,4 (& 400kV) () i.e. BINAGURI EP 6*170MW) RA 1 R&2 (& 220kV) e. BIRPARA RECEIPT	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2 Min (MW)	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 29.9  Import( Avg (MW)  576	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve) Energy Exchange (MU) 13.82
132 kV   20	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	- 2 2 2 2 2 2 2 1 1 1 1  TERNATIONAL EXC Line 400kV MANGDECHHU ALIPURDUAR RECEIPT HEP 4*180MW) MALBASE - BINAGURI RECEIPT (from TALA H RECEIPT (from TALA H MALBASE - BIRPARA) i	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV .e. BIRPARA RECEIPT 4MW)	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2 Min (MW)	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 29.9  Import( Avg (MW)  576	0.0 0.0 -260.4 21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3 +ve)/Export(-ve) Energy Exchange (MU) 13.82
132 kV   20	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	TERNATIONAL EXC  2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line 400kV MANGDECHHU-ALIPURDUAR RECEIPT 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA HEP 4*8	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV .e. BIRPARA RECEIPT 4MW)	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712  1030	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981	0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53
132 kV   20	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	TERNATIONAL EXC  2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line 400kV MANGDECHHU-ALIPURDUAR RECEIPT 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA HEP 4*8	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV .e. BIRPARA RECEIPT 4MW) KATI	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712  1030	0.0 0.0 48.0 21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981	0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53
132 kV   20	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	TERNATIONAL EXC  2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line: 400kV MANGDECHHU ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-BIRPAI MALBASE - BIRPARA) i	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV .e. BIRPARA RECEIPT 4MW) KATI	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712  1030  187	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981	0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59
132 kV   20	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	TERNATIONAL EXC  2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line: 400kV MANGDECHHU ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-BIRPAI MALBASE - BIRPARA) i	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) kA 1&2 (& 220kV .e. BIRPARA RECEIPT 44MW) KATI	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712  1030  187	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981	0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59
132 kV   20	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  ER  NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line: 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from TALA H 220kV CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-BIRPAI MALBASE - BIRPARA) i 132kV GELEPHU-SALAI	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) kA 1&2 (& 220kV .e. BIRPARA RECEIPT 44MW) KATI	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712  1030  187  26	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150	0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51
132 kV   20	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  ER  NER	2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line: 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from TALA H 220kV CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-BIRPAI MALBASE - BIRPARA) i 132kV GELEPHU-SALAI	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA ARATANAKPUR(NHPC)	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW)  712  1030  187  26	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150	0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51
19 132 kV 20 132 kV 20 132 kV  Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 7 220 kV 8 220 kV  State	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	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z I I I I	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA ARATANAKPUR(NHPC)	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21	0.0 0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51
19 132 kV 20 132 kV 20 132 kV  Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 7 220 kV 8 220 kV  State	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  NER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z I I I I	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA ARA 1&2 (& 220kV .e. BIRPARA RECEIPT 44MW) KATI GIA CAR-TANAKPUR(NHPC)	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69 -75	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71  19  25	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21	0.0 0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51  1.32 -0.82 0.00
19 132 kV 20 132 kV 20 132 kV  Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 7 220 kV 8 220 kV  State	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	Z Z Z Z Z Z Z Z Z Z Z Z Z Z I I I I I TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from TALA H Z20kV CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MAHENDRANAG	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA ARA 1&2 (& 220kV .e. BIRPARA RECEIPT 44MW) KATI GIA CAR-TANAKPUR(NHPC)	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21  55  -34	0.0 0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51
19 132 kV 20 132 kV 20 132 kV  Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 7 220 kV 8 220 kV  State	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  NER  ER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA ARATANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69 -75	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71  19  25  0	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21  55  -34	0.0 0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51  1.32 -0.82  0.00 6.52
19 132 kV 20 132 kV 20 132 kV  Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 7 220 kV 8 220 kV  State	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  NER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z I I I I I TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from TALA H Z20kV CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-BIRPAI MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MAHENDRANAG	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA ARATANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69 -75	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71  19  25	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21  55  -34	0.0 0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51  1.32 -0.82 0.00
132 kV   20	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  NER  ER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV t) i.e. BINAGURI EP 64170MW) KATI GIA ARATANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69 -75 0 321	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71  19  25  0  120	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21  55  -34  0  272	0.0 0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51  1.32 -0.82 0.00 6.52 -21.73
19 132 kV 20 132 kV 20 132 kV  Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 7 220 kV 8 220 kV  State	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  ER  NER  NER  NER  ER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV t) i.e. BINAGURI EP 64170MW) KATI GIA ARATANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69 -75	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71  19  25  0	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21  55  -34	0.0 0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53  3.59  0.51  1.32 -0.82  0.00 6.52
132 kV   20	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  SELDEM-AMBEWADI  IN Region  ER  ER  NER  NER  NER  ER  ER  ER  ER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA AR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69 -75 0 321 -921	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71  19  25  0  120  -798	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21  55  -34  0  272  -906	0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53 3.59  0.51  1.32 -0.82 0.00 6.52 -21.73 -17.07
132 kV   20	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  ER  NER  NER  ER  ER  ER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA AR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69 -75 0 321	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71  19  25  0  120	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21  55  -34  0  272	0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53 3.59  0.51  1.32 -0.82 0.00 6.52 -21.73
132 kV   20	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR  (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  SELDEM-AMBEWADI  IN Region  ER  ER  NER  NER  NER  ER  ER  ER  ER	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	997 0 2316 445 1684 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU 11,2,4 (& 400kV 0) i.e. BINAGURI EP 6*170MW) KATI GIA AR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH) HANPUR (B'DESH) D/C	0 0 WR-NR  0 2003 478 1692 0 0 0 101 WR-SR  Max (MW) 712 1030 187 26 69 -75 0 321 -921	0.0 0.0 48.0  21.7 0.0 24.8 1.1 29.9 0.0 0.0 1.8 79.2  Min (MW)  557  0  71  19  25  0  120  -798	0.0 0.0 308.4  0.0 17.2 0.3 12.4 0.0 0.0 0.0 0.0 0.0 29.9  Import( Avg (MW)  576  981  150  21  55  -34  0  272  -906	0.0 0.0 0.0 -260.4  21.7 -17.2 24.5 -11.3 29.9 0.0 0.0 1.8 49.3  +ve)/Export(-ve) Energy Exchange (MU) 13.82  23.53 3.59  0.51 1.32 -0.82 0.00 6.52 -21.73 -17.07