

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 11th May 2021

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 10.05.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-मई -2021 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 10th May 2021, is available at the NLDC website.

धन्यवाद,

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



Date of Reporting: Report for previous day

A. Power Supply Position at All <u>India and Regional level</u> 11-May-2021

At 1 ower Supply 1 osition at An India and Regional level						
	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	47204	48064	39696	20299	2232	157495
Peak Shortage (MW)	200	0	0	0	5	205
Energy Met (MU)	1037	1215	972	413	44	3681
Hydro Gen (MU)	184	44	63	54	15	360
Wind Gen (MU)	17	86	21	-	-	124
Solar Gen (MU)*	47.25	40.24	96.67	5.11	0.20	189
Energy Shortage (MU)	3.45	0.00	0.00	0.00	0.04	3.49
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49999	56055	45310	20406	2594	164514
Time Of Maximum Demand Met (From NLDC SCADA)	22:29	16:19	12:46	22:24	19:03	22:33

B. Frequency Profile (%)
Region
All India

HP J&K(U) Chandig Chandig Guarat MP WR Mahara Goa DD DNH AMNSI Andhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim	osition in States							
NR UP Utarakl HP J&K(UT Chandig Chandig Chartis Gujarat MP WR Mahara Goa DD DNH AMNSII Andhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha UV Sikkim Arunack		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Rajasth Delhi NR UP UP UIArakl HP J&K(U) Chandig Chattis Gujarat MP WR Mahara: Goa DD DNH AMNSII Addhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha West Be Sikkim Arunata	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
Rajasth Delhi NR UP UP UIArakl HP J&K(U) Chandig Chattis Gujarat MP WR Mahara: Goa DD DNH AMNSII Addhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha West Be Sikkim Arunata		dav(MW)	Demand(MW)		(MU)	` ′		(MU)
Raiasthr Delhi NR UP Uttarakl HP J&K(U') Chandig Chhattis Gujarat MP WR Maharas Goa DD DNH AMNSI Andhra Felanga Telanga Tamil N Puduche Bihar DVC Jharkha West Be Sikkim Arunast	ıjab	6746	0	145.5	81.3	-0.3	123	0.00
Delhi	ryana	6885	0	134.5	106.6	-0.8	251	0.00
NR UP Uttarakl HP J&K(U) Chandig Chhattis Gujarat MP WR Maharae Goa DD DNH AMNSII Andhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha West Be Sikkim Arunack	asthan	11024	66	223,2	73.3	1.0	731	0.00
Uttaraki HP J&K(U') Chandig Chhattis Guigarat MP WR Maharar Goa DD DNH AMNSI Andhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha West Be Sikkim Arunack		3826	0	74.6	59.8	-2.1	16	0.00
HP J&K(U) Chandig Chadig Guarat MP WR Maharat Goa DD DNH AMNSII AMINTA Telanga SR Karnata Karnata Tamil N Puduche Bihar DVC Jharkha Udisha West Be Sikkim		18553	0	344.8	130.6	-2.6	654	0.00
URL STATE OF THE S	arakhand	1616	0	34.8	14.8	0.3	169	0.00
Chandig Chhattis Guigrat MP WR Maharar Goa DD DNH AMNSII Andhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha West Be Sikkim Arunack		1346	0	26.8	7.2	-0.1	96	0.00
Chhattis Gujarat MP WR Maharas Goa DD DNH AMNSII Andhra Telangas SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha Udisha West Be Sikkim	K(UT) & Ladakh(UT)	2575	250	49.0	33.0	-0.7	241	3.45
Gujarat	andigarh	180	0	3.9	3.9	0.0	32	0.00
WR MP Maharae Goa DD DNH AMNSII Andhra Telangae SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunack	hattisgarh	3535	0	72.3	19.3	0.1	370	0.00
WR MP Maharae Goa DD DNH AMNSII Andhra Telangae SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunack	iarat	17667	0	373.0	130.4	-0.1	638	0.00
Goa DD DNH AMNSI Andhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim		9478	0	210.2	127.1	-2.5	478	0.00
DD DNH AMNSI Andhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunach	harashtra	23156	0	508.9	150.5	-2.4	510	0.00
DNH AMNSII Andhra Telangai SR Karnata Tamil N Puduche Bihar DVC Jharkha Uset Be Sikkim Arunacit	a	511	0	10.8	10.5	-0.2	36	0.00
AMNSII Andhra Telanga SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunack		289	0	6.1	6.0	0.1	21	0.00
SR Kerala Telangal SR Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunach	Н	686	0	15.8	15.8	0.0	45	0.00
SR Kerala Telangal SR Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunach	INSIL	853	0	17.8	1.5	0.1	251	0.00
SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha Godisha West Be Sikkim Arunach	dhra Pradesh	10252	0	207.4	130.1	1.6	872	0.00
SR Karnata Kerala Tamil N Puduche Bihar DVC Jharkha Godisha West Be Sikkim Arunach	angana	7949	0	166,5	51.5	-0.1	324	0.00
Kerala Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunach		10296	0	196.8	62.8	0.3	728	0.00
Tamil N Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunach		3566	0	73.1	49.5	0.3	233	0.00
Puduche Bihar DVC Jharkha ER Odisha West Be Sikkim Arunach	mil Nadu	14335	0	319.2	215.6	-0.5	466	0.00
Bihar DVC Jharkha ER Odisha West Be Sikkim Arunach		435	0	8.8	9.1	-0.3	42	0.00
Jharkha ER Odisha West Be Sikkim Arunach		4950	0	88.5	85.0	-3.0	473	0.00
ER Odisha West Be Sikkim Arunach	C	2906	0	62.6	-46.3	-0.5	284	0.00
ER Odisha West Be Sikkim Arunach	rkhand	1386	0	25,3	21.9	-1.9	263	0.00
West Be Sikkim Arunach		4706	0	93,3	21,3	0.6	469	0.00
Sikkim Arunach	st Bengal	7277	0	142.5	33.0	-1.3	239	0.00
Arunach		68	0	1.0	1.3	-0.3	39	0.00
	unachal Pradesh	129	1	2.2	2.5	-0.4	12	0.01
		1373	0	26.4	21,3	-0.3	109	0.00
Manipu		197	1	2.3	2.4	-0.1	18	0.01
NER Meghala		291	0	5.7	4.1	-0.2	22	0.00
Mizoran		108	2	1.4	1.7	-0.3	13	0.01
Nagalan		133	1	2.2	2.3	-0.1	12	0.01
Tripura		276	0	4.2	3.7	0.0	64	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.1	-10.2	-23.7
Day Peak (MW)	701.0	-597.6	-1021.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	222.1	-249.7	151.2	-124.5	0.9	0.0
Actual(MU)	209.8	-246.8	168.1	-137.6	1.1	-5.4
O/D/U/D(MU)	-12 3	29	16.9	-13.1	0.2	-5.4

F. Generation Outage(MW)

Generation Outage(WW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4837	18197	7132	48	913	31127	44
State Sector	11863	14782	9035	4665	11	40356	56
Total	16699	32979	16167	4713	925	71483	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	498	1238	491	537	10	2774	73
Lignite	20	10	50	0	0	79	2
Hydro	184	44	63	54	15	360	9
Nuclear	31	16	63	0	0	110	3
Gas, Naptha & Diesel	27	49	13	0	24	113	3
RES (Wind, Solar, Biomass & Others)	87	127	140	5	0	359	9
Total	847	1484	819	596	49	3795	100
Channer of DEC in 4-4-1	40.20	0.55	4= 0=	0.06	0.44		1
Share of RES in total generation (%)	10.30	8.55	17.05	0.86	0.41	9.47	1
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	35.67	12.59	32.45	9.87	31.28	21.85	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.060
Based on State Max Demands	1.091

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: 11-May-2021

Sl No Impor							Date of Reporting:	11-May-2021
Impor	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	rt/Export of ER (V							
1		ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
3		PUSAULI B/B GAYA-VARANASI	2	0	249 791	0.0	6.2 12.8	-6.2 -12.8
4		SASARAM-FATEHPUR	ĩ	Ŏ	344	0.0	5.0	-5.0
5	765 kV	GAYA-BALIA	1	0	404	0.0	6.4	-6.4
6		PUSAULI-VARANASI	1	0	196	0.0	3.8	-3.8
7 8	400 kV 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1	0	143 787	0.0	2.1 10.2	-2.1 -10.2
9		PATNA-BALIA	4	0	1018	0.0	13.1	-13.1
10		BIHARSHARIFF-BALIA	2	68	322	0.0	3.1	-3.1
11		MOTIHARI-GORAKHPUR	2	0	464	0.0	8.4	-8.4
12		BIHARSHARIFF-VARANASI	2	0	338	0.0	5.6 1.4	-5.6
13 14		PUSAULI-SAHUPURI SONE NAGAR-RIHAND		10	112 0	0.0	0.0	-1.4 0.0
15		GARWAH-RIHAND	i	20	Ö	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0 ER-NR	0.0	0.0 78.0	0.0
Imnoi	rt/Export of ER (V	With WR)			ER-NR	0.5	/8.0	-77.4
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	811	280	3.8	0.0	3.8
2		NEW RANCHI-DHARAMJAIGARH	2	592	556	3.1	0.0	3.1
3		JHARSUGUDA-DURG	2	0	361	0.0	5.1	-5.1
4		JHARSUGUDA-RAIGARH	4	37	251	0.0	2.1	-2.1
5		RANCHI-SIPAT	2	167	101	0.5	0.0	0,5
6		BUDHIPADAR-RAIGARH	1	0	104	0.0	1.5	-1.5
7		BUDHIPADAR-KORBA	2	120	0	1.8	0.0	1.8
	220 11 1	Debini ibin nonbi		120	ER-WR	9.2	8.6	0.6
Impor	rt/Export of ER (V							
1		JEYPORE-GAZUWAKA B/B	2	0	402	0.0	8.9	-8.9
3		TALCHER-KOLAR BIPOLE	2	0	1982 3134	0.0	41.8 59.9	-41.8 -59.9
4		ANGUL-SRIKAKULAM TALCHER-I/C	2	237	3134 318	0.0 0.8	0.0	-59.9 0.8
5		BALIMELA-UPPER-SILERRU	<u>1</u>	1	0	0.0	0.0	0.0
					ER-SR	0.0	110.6	-110.6
	rt/Export of ER (V			207				
2	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2	285 403	115 197	1.1 0.4	0.0	1.1 0.4
3	400 kV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	65	58	0.0	0.0	-0.2
					ER-NER	1.6	0.2	1.4
	rt/Export of NER							
1	HVDC	BISWANATH CHARIALI-AGRA	2	477	3 NER-NR	2.5 2.5	0.0 0.0	2.5 2.5
Impor	rt/Export of WR (With NR)			TIER-TIK	4.0	0.0	2.3
1		CHAMPA-KURUKSHETRA	2	0	2009	0.0	47.1	-47.1
2	HVDC	VINDHYACHAL B/B		84	104	1.1	1.3	-0.2
4	HVDC 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	982 2305	0.0	24.3 37.9	-24.3 -37.9
5		PHAGI-GWALIOR	2	0	1871	0.0	32.8	-32.8
6		JABALPUR-ORAI	2	654	743	0.0	26.2	-26.2
7		GWALIOR-ORAI	1	792	0	13.7	0.0	13.7
8		SATNA-ORAI	1	0	1356	0.0	28.8	-28.8
9 10	765 kV 400 kV	CHITORGARH-BANASKANTHA ZERDA-KANKROLI	1	1226 276	9	14.6 4.1	0.0	14.6 4.1
11		ZERDA -BHINMAL	i	332	3	5.2	0.0	5.2
12		VINDHYACHAL -RIHAND	1	969	0	22,2	0.0	22.2
13	400 kV	RAPP-SHUJALPUR	2	0	348	0.0	4.2	-4.2
14		BHANPURA-RANPUR	1	0	139	0.0	1.6 1.0	-1.6
15 16		BHANPURA-MORAK MEHGAON-AURAIYA	1	99	30 47	0.0	0.0	-1.0 0.2
17		MALANPUR-AURAIYA	1	68	38	0.7	0.1	0.7
18		GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0 WD ND	0.0	0.0	0.0
Imnoi	rt/Export of WR (With SR)			WR-NR	61.8	205.0	-143.3
1				0	020			
		BHADRAWATI B/B	-		820	0.0	17.5	-17.5
2	HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	0	820 2515	0.0	44.8	-44.8
2	HVDC 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2	744	2515 1770	0.0	44.8 15.3	-44.8 -15.3
3 4	HVDC 765 kV 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	744 0	2515 1770 2115	0.0 0.0 0.0	44.8 15.3 31.4	-44.8 -15.3 -31.4
2 3 4 5	HVDC 765 kV 765 kV 400 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI		744 0 570	2515 1770 2115 60	0.0 0.0 0.0 4.8	44.8 15.3 31.4 0.0	-44.8 -15.3 -31.4 4.8
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1	744 0	2515 1770 2115 60 0	0.0 0.0 0.0 4.8 0.0	44.8 15.3 31.4 0.0 0.0 0.0	-44.8 -15.3 -31.4
2 3 4 5 6	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2	744 0 570 0	2515 1770 2115 60 0 87	0.0 0.0 0.0 4.8 0.0 0.0	44.8 15.3 31.4 0.0 0.0 0.0 0.0	-44.8 -15.3 -31.4 4.8 0.0 0.0 1.8
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1	744 0 570 0 0	2515 1770 2115 60 0	0.0 0.0 0.0 4.8 0.0	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9	-44.8 -15.3 -31.4 4.8 0.0 0.0 1.8 -102.4
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1	744 0 570 0 0 1	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve)
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1	744 0 570 0 0	2515 1770 2115 60 0 87	0.0 0.0 0.0 4.8 0.0 0.0	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9	-44.8 -15.3 -31.4 4.8 0.0 0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 1 1 1 FERNATIONAL EX Line 400kV MANGDECHI	744 0 570 0 0 1 .CCHANGES .Name	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW)	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1 FERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI	744 0 570 0 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 ECEIPT (from	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(-44.8 -15.3 -31.4 4.8 0.0 0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 1 1 1 IFERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP	744 0 570 0 0 1 CCHANGES Name HU-ALIPURDUAR 1&2 SCEIPT (from 4/1804IW)	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW)	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 1 1 1 1 ERNATIONAL EX Line 400kV MANGDECHI Le ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG	744 0 570 0 0 1 CCHANGES Name HU-ALIPURDUAR 1&2 CCEIPT (from 44180MW) URI 1.2,4 (& 400kV) RID 1.6, BINAGURI	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW)	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400kV MANGBECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MECEBIT (from TAL	744 0 0 570 0 0 1 CHANGES Name Wu-ALIPURDUAR 1&2 CEEPT (from 4*180MW) URI 1,2,4 (& 400kV) URI 0,4 A HEP (6*170MW)	2515 1770 2115 60 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW)	-44.8 -15.3 -31.4 4.8 0.0 0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) 5.8
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 1 1 ERNATIONAL EX Line 400KV MANGDECHI MANGDECHI HEP 400KV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL	744 0 570 0 0 1 1 CCHANGES Name RU-ALIPURDUAR 182 ECHIPT (from 4*180MW) URI 1,2,4*1& 400kV RRI 1,2*1& 400kV	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 0.0 1.8 6.5 Min (MW)	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW)	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8
2 3 4 5 6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR MALBASE - BIRPAR	744 0 0 570 0 0 1 CHANGES Name HU-ALIPURDUAR 1&2 CEEPT (from 49180MW) URI 1,2,4 (& 400kV URI 1,2,4 (& 400kV URI 1,2,4 (& 200kV UR	2515 1770 2115 60 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW)	-44.8 -15.3 -31.4 4.8 0.0 0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) 5.8
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 2 2 2 1 1 1 1 IERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL	744 0 0 570 0 1 1 CHANGES Name W-ALIPURDUAR 1&2 ECEIPT (from 49180MW) URI 1,2,4 (& 400kV URI 1,2,4 (& 400kV URI 1,2,4 (& 400kV URI 1,2,4 (& 200kV UR	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW)	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 48	-44.8 -15.3 -31.4 4.8 0.0 0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MU) 5.8 5.8
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR	744 0 0 570 0 1 1 CHANGES Name Wu-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV IRI 1,6 & 100kV IRI	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 0.0 1.8 6.5 Min (MW)	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW)	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	2 2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400RV MANGDECHI 400RV MANGDECHI HEP 400RV TALA BINAG MALBASE - BINAGI RECEIPT (from TAL 220RV CHUKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR MALBASE - BIRPAR HECEIPT (from CHU 132KV-GEYLEGPHU	744 0 570 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 5CEIPT (from 4*180MW) URI 12.4 (8 400RV IRI) Le, BINAGURI A HEP (6*170MW) PPARA 182 (8 220RV A) Le, BIRPARA KHA HEP 4*84MW) J- SALAKATI	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 48	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -6.2
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 2 2 2 1 1 1 1 IERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL	744 0 570 0 0 1 1 CCHANGES Name HU-ALIPURDUAR 182 5CEIPT (from 4*180MW) URI 12.4 (8 400RV IRI) Le, BINAGURI A HEP (6*170MW) PPARA 182 (8 220RV A) Le, BIRPARA KHA HEP 4*84MW) J- SALAKATI	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW)	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 48	-44.8 -15.3 -31.4 4.8 0.0 0.0 1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MU) 5.8 5.8
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400kV MANGBECHH 400kV MANGBECHH HEP 400kV TALA-BINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEIPT (from TAL 220kV CHUKHA-BIR RECEIPT (from THU 132kV-GEYLEGPH 132kV Motanga-Rang	744 0 570 0 1 1 CCHANGES Name HU-ALIPURDUAR 1&2 SCEIPT (from 4*180MW) URI 1,2,4 (& 400kV	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 48	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -6.2
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	2 2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400RV MANGDECHI 400RV MANGDECHI HEP 400RV TALA BINAG MALBASE - BINAGI RECEIPT (from TAL 220RV CHUKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR MALBASE - BIRPAR HECEIPT (from CHU 132KV-GEYLEGPHU	744 0 0 570 0 0 1 1 CHANGES Name HUGALIPURDUAR 182 8CEUPT (from 49-1804W) URI 124/18 400W URI	2515 1770 2115 60 0 0 87 WR-SR	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 48	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -6.2
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER	2 2 2 2 2 1 1 IERNATIONAL EX 1 I I I I I I I I I I I I I I I I I I I	744 0 0 570 0 0 1 1 CHANGES Name HU-ALIPURDUAR 182 2CELPT (from 49 1804W) URI 124/48 400KW URI 124/48 400KW URI 124/48 400KW URI 124/48 400KW JURI 124/48 40	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.2 -0.5
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER	2 2 2 2 1 1 1 1 IERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 220kV CHUKHIA-BIR RECEIPT (from TAL 132kV-GEYLEGPHI 132kV Motanga-Rang 132kV-TANAKPUR (MAHENDRANAGAF 400kV-MUZAFFARI	744 0 0 570 0 0 1 1 CHANGES Name HU-ALIPURDUAR 182 2CELPT (from 49 1804W) URI 124/48 400KW URI 124/48 400KW URI 124/48 400KW URI 124/48 400KW JURI 124/48 40	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91	0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.2 -0.5
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	2 2 2 2 2 1 1 IERNATIONAL EX 1 I I I I I I I I I I I I I I I I I I I	744 0 0 570 0 0 1 1 CHANGES Name HU-ALIPURDUAR 182 2CELPT (from 49 1804W) URI 124/48 400KW URI 124/48 400KW URI 124/48 400KW URI 124/48 400KW JURI 124/48 40	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 -+ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.5 -1.6
2 3 4 5 6 7	HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER	2 2 2 2 2 1 1 1 IFERNATIONAL EX Line 400kV MANGDECHI Le ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE	744 0 579 0 1 CHANGES Name HU-ALIPURDUAR 1&2 CEPT (from 44180AW 180 AHEP (6+120AW 180 AHEP (6+120AW 140 ALE BRIAGUR 142 ALE BRIAGUR 143 ALE BRIAGUR 144 ALE BRIAGUR 154 ALE BRIAGUR 155 ALE BRIAGUR 156 ALE BRIAGUR 157 ALE BRIAGUR 158 ALE BRIAGUR 159 ALE BRIAGUR 150 ALE BRIAGU	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12 -32 -77 -316	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21 -66	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.5 -1.6 -6.6
2 3 4 5 6 7	HVDC 765 kV 765 kV 265 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	2 2 2 2 1 1 1 1 IERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 220kV CHUKHIA-BIR RECEIPT (from TAL 132kV-GEYLEGPHI 132kV Motanga-Rang 132kV-TANAKPUR (MAHENDRANAGAF 400kV-MUZAFFARI	744 0 579 0 1 CHANGES Name HU-ALIPURDUAR 1&2 CEPT (from 44180AW 180 AHEP (6+120AW 180 AHEP (6+120AW 140 ALE BRIAGUR 142 ALE BRIAGUR 143 ALE BRIAGUR 144 ALE BRIAGUR 154 ALE BRIAGUR 155 ALE BRIAGUR 156 ALE BRIAGUR 157 ALE BRIAGUR 158 ALE BRIAGUR 159 ALE BRIAGUR 150 ALE BRIAGU	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.5 -1.6
2 3 4 5 6 7	HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	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 NER NER ER E	2 2 2 2 2 1 1 IERNATIONAL EX 1 I I I I I I I I I I I I I I I I I I I	744 0 0 1 570 0 1 570 0 0 1 CHANGES Name HU-ALIPURDUAR 182 ECELPT (from 44*180MW) URI 12,4 (8*400MV) URI 12,	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12 -32 -77 -316	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11 0 -176	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21 -66 -276	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.2 -0.5 -1.6 -6.6 -2.0
2 3 4 5 6 7	HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER	2 2 2 2 2 1 1 1 IFERNATIONAL EX Line 400kV MANGDECHI Le ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE	744 0 0 1 570 0 1 570 0 0 1 CHANGES Name HU-ALIPURDUAR 182 ECELPT (from 44*180MW) URI 12,4 (8*400MV) URI 12,	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12 -32 -77 -316	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11	44.8 15.3 31.4 0.0 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21 -66	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.5 -1.6 -6.6
2 3 4 5 6 7 8	HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER ER ER	2 2 2 2 1 1 1 1 IERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHU HEP 400kV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRAGR MALBASE - BIRAGR RECEIPT (from TAL 220kV CHUKHA-BIR RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANARPUR (MAHENDRANAGAF 400kV-MUZAFFARI DC 132kV-BIHAR - NEP BHERAMARA HVDG	744 0 570 0 1 CHANGES Name HU-ALIPURDUAR 1&2 CEEPT (from 49180MW) URI 1,2,4 (8 400KV (RI) i.e. BINAGURI A HEP (6°110MW) PARA 1 k2 (& 220KV A HEP (6°110MW) J - SALAKATI jia NH) - (RP) -	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12 -32 -77 -316 -205 -862	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11 0 -176	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21 -66 -85 -858	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.2 -0.5 -1.6 -6.6 -2.0
3 4 4 5 5 6 7 8	HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	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 NER NER ER E	2 2 2 2 2 1 1 IERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE BINAGH RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR MALBASE -	744 0 0 570 0 1 570 0 0 1 1 CHANGES Name HU-ALIPURDUAR 182 SCEIPT (from 48180MW) URI 124/48 4000W URI 124/48	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12 -32 -77 -316	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11 0 -176	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21 -66 -276	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 +ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.2 -0.5 -1.6 -6.6 -2.0
3 4 4 5 5 6 7 8 8	HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER ER ER	2 2 2 2 2 1 1 IERNATIONAL EX Line 400kV MANGBECHI Le. ALIPURDUAR RI MANGBECHI Le. ALIPURDUAR RI MANGBECHI HEP 400kV TALA-BRAG RECEIPT (from TAL 200kV CHUKILA-BIR MALBASE - BIRAGR MALBASE - BIRA	744 0 10 570 0 1 CHANGES Name HU-ALIPURDUAR 182 5CEIPT (from 48180MW) URI 124/68 400KW URI	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12 -32 -77 -316 -205 -862	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11 0 -176	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21 -66 -85 -858	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 -+ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.5 -1.6 -6.6 -2.0 -20.6
3 4 4 5 5 6 7 8 8	HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER ER ER	2 2 2 2 2 1 1 IERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP 400kV TALA BINAG MALBASE BINAGH RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR MALBASE -	744 0 579 0 1 CHANGES Name HU-ALIPURDUAR 1&2 CEEPT (from 44180MW) URI 1,2,4 (400KV) URI 1,2,4 (400	2515 1770 2115 60 0 0 87 WR-SR Max (MW) 296 334 91 12 -32 -77 -316 -205 -862	0.0 0.0 0.0 0.0 4.8 0.0 0.0 1.8 6.5 Min (MW) 0 222 44 3 -11 0 -176	44.8 15.3 31.4 0.0 0.0 0.0 108.9 Import(Avg (MW) 243 243 48 7 -21 -66 -85 -858	-44.8 -15.3 -31.4 -4.8 -0.0 -0.0 -1.8 -102.4 -+ve)/Export(-ve) Energy Exchange (MII) -5.8 -5.8 -1.2 -0.5 -1.6 -6.6 -2.0 -20.6