

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

दिनांक: 20th July 2022

Ref: POSOCO/NLDC/SO/Daily PSP Report

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

- 2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. कार्यकारी निदेशक, प क्षे भा प्रे के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 19.07.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-जुलाई-2022 की अखिल भारतीय प्रणाली की

दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 19th July 2022, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

A Power Supply Registra of All India and Regional large

20-Jul-2022

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	66556	50005	41794	25890	3178	187423
Peak Shortage (MW)	1993	0	536	1121	0	3650
Energy Met (MU)	1605	1142	957	577	61	4343
Hydro Gen (MU)	364	84	138	118	27	731
Wind Gen (MU)	15	131	124	-	-	271
Solar Gen (MU)*	93.13	26.40	101.15	4.53	0.49	226
Energy Shortage (MU)	21.07	0.00	1.47	9.77	0.05	32.36
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	70354	51529	44661	26617	3229	188698
Time Of Maximum Demand Met (From NLDC SCADA)	12:30	07:49	07:34	20:37	19:14	19:38

| Region | FVI | <49.7 | 49.7 - 49.8 | 49.8 - 49.9 | 49.9 - 50.05 | > 50.05 |
| All India | 0.059 | 1.53 | 1.18 | 6.64 | 9.35 | 78.32 | 12.32 |

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
		dav(MW)	Demand(MW)	(MC)	(MU)	(MC)	(1111)	(MU)
	Punjab	13213	0	298.5	182.0	-1.2	141	0.00
	Haryana	11012	0	233.4	161.3	0.4	321	3.37
	Rajasthan	11052	0	246.9	65.5	-1.2	261	1.54
	Delhi	6816	0	140.9	130.4	-1.6	200	0.00
NR	UP	25138	410	539.9	247.5	2.4	536	13.25
	Uttarakhand	2203	50	47.8	26.0	0.4	168	2.55
	HP	1645	48	35.3	-3.9	-0.2	37	0.26
	J&K(UT) & Ladakh(UT)	2613	0	54.1	29.6	-0.9	223	0.10
	Chandigarh	398	0	7.7	7.6	0.1	53	0.00
	Chhattisgarh	3937	0	93.3	39.2	0.3	360	0.00
	Gujarat	14640	0	328.3	183.4	-7.4	421	0.00
	MP	9963	0	226.2	72.4	0.0	580	0.00
WR	Maharashtra	20118	0	438.5	152.4	-2.4	651	0.00
	Goa	594	0	12.0	12.1	-0.1	66	0.00
	DNHDDPDCL	1127	0	26.3	26.3	0.0	45	0.00
	AMNSIL	803	0	17.8	11.1	0.1	101	0.00
	Andhra Pradesh	8883	0	187.9	62.0	1.7	584	1.47
	Telangana	9864	0	181.4	68.5	1.2	605	0.00
SR	Karnataka	9180	0	171.7	53.8	-0.2	791	0.00
	Kerala	3440	0	68.5	33.1	-0.5	249	0.00
	Tamil Nadu	15690	0	338.2	148.7	0.9	785	0.00
	Puducherry	441	0	9.7	9.2	-0.2	41	0.00
	Bihar	6734	509	141.9	127.8	1.8	324	4.99
	DVC	3545	0	77.1	-42.9	1.3	306	0.00
	Jharkhand	1505	0	30.3	26.7	-1.6	165	4.78
ER	Odisha	6111	0	129.5	62.6	0.2	277	0.00
	West Bengal	9688	0	196.6	68.3	1.3	539	0.00
	Sikkim	91	0	1.5	1.5	0.0	18	0.00
	Arunachal Pradesh	141	0	2.6	2.8	-0.4	3	0.00
	Assam	2111	0	40.2	33.5	-0.5	84	0.00
	Manipur	190	32	2.7	2.7	0.0	28	0.05
NER	Meghalaya	326	0	6.2	0.2	0.1	47	0.00
	Mizoram	100	0	1.6	0.9	0.2	24	0.00
	Nagaland	150	0	2.7	2.4	-0.1	11	0.00
	Tripura	298	0	5,5	5.5	0.0	73	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	28.5	5.7	-23.9
Day Peak (MW)	1371.0	277.8	-1055.0

. Generation Outage(NW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3785	15196	6138	2415	309	27842	42
State Sector	7490	17369	11565	2590	186	39199	58
Total	11275	32564	17703	5005	494	67041	100

G. Sourcewise generation (MU)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	810	1099	456	578	17	2960	65
Lignite	24	8	63	0	0	95	2
Hydro	367	84	138	118	27	734	16
Nuclear	29	32	68	0	0	129	3
Gas, Naptha & Diesel	19	5	9	0	29	61	1
DES (Wind Solar Riomass & Others)	126	150	271	-	Δ.	561	12

Share of RES in total generation (%)	9.20	11.42	27.00	0.65	0.67	12.36
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	37.99	19.79	47.45	17.49	37.84	31.36

Н.	All	India	Demand	Diversity	Factor

Based on Regional Max Demands	1.041
Based on State Max Demands	1.080

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

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

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

							Date of Reporting:	20-Jul-2022
Sl	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	ort/Export of ER (- ()		1.22 ()
1	HVDC	ALIPURDUAR-AGRA	2	_0	501	0.0	12.1	-12.1
2		PUSAULI B/B	-	0	49	0.0	1.2	-1.2
3		GAYA-VARANASI	2	262	194	0.0	0.1	-0.1
5		SASARAM-FATEHPUR GAYA-BALIA	1	7	243 748	0.0	3.0 13.6	-3.0 -13.6
6	400 kV	PUSAULI-VARANASI	- Î	27	43	0.0	0.3	-0.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	88	0.0	0.9	-0.9
9	400 kV 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	2	0	924	0.0	15.2 12.3	-15.2 -12.3
10		NAUBATPUR-BALIA	2	0	636 662	0.0	13.2	-12.3
11		BIHARSHARIFF-BALIA	2	0	458	0.0	6.9	-6.9
12		MOTIHARI-GORAKHPUR	2	0	510	0.0	8.3	-8.3
13	400 kV	BIHARSHARIFF-VARANASI	2	80	184	0.0	1.1 2.3	-1.1 -2.3
14		SAHUPURI-KARAMNASA NAGAR UNTARI-RIHAND	1	0	156 0	0.0	0.0	0.0
16		GARWAH-RIHAND	i	25	0	0.3	0.0	0.3
17	132 kV	KARMANASA-SAHUPURI	- Î	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
Impo	ort/Export of ER (With WP)			ER-NR	0.3	90.5	-90.1
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	20.5	0.0	20.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1224	436	18.6	0.0	18.6
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.9	-2.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.7	0.0	0.7
5	400 kV	RANCHI-SIPAT	2	278	167	3.4	0.0	3.4
6	220 kV	BUDHIPADAR-RAIGARH	1	32	72	0.0	0.4	-0.4
7		BUDHIPADAR-KORBA	2	154	0	2.1	0.0	2.1
Ľ	223 R T			204	ER-WR	45.3	3.3	42.0
	ort/Export of ER (
1		JEYPORE-GAZUWAKA B/B	2	584	0	14.4	0.0	14.4
2	HVDC 765 kV	TALCHER-KOLAR BIPOLE	2 2	0	1995	0.0	38.3	-38.3
4	765 KV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2	0 709	3550 146	0.0 6.7	54.0 0.0	-54.0 6.7
5		BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	14.4	92.3	-77.8
	ort/Export of ER (Δ.	241		2.5	2.5
2	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2 2	0	241 327	0.0	3.5 4.5	-3.5 -4.5
3		ALIPURDUAR-SALAKATI	2	0	85	0.0	1.4	-1.4
					ER-NER	0.0	9.4	-9.4
	ort/Export of NER			1 0	= 0.0	0.0	160	160
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	706 NER-NR	0.0	16.8 16.8	-16.8 -16.8
Impo	ort/Export of WR (With NR)			TIER-TIR	0.0	10.0	-10.0
1	HVDC	CHAMPA-KURUKSHETRA	2	0	5038	0.0	87.6	-87.6
2	HVDC	VINDHYACHAL B/B	-	442	0	6.7	0.0	6.7
3		MUNDRA-MOHINDERGARH	2 2	0	813	0.0	18.7 30.5	-18.7
5		GWALIOR-AGRA GWALIOR-PHAGI	2	212 0	2117 1456	0.1 0.0	19.0	-30.4 -19.0
6		JABALPUR-ORAI	2	Ŏ	1044	0.0	29.9	-29.9
7	765 kV	GWALIOR-ORAI	1	534	0	10.3	0.0	10.3
8	765 kV	SATNA-ORAI	1	0	1097	0.0	21.4	-21.4
9 10	765 kV 765 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI	2 2	1573	48 3738	14.9 0.0	0.0 68.4	14.9 -68.4
11		ZERDA-KANKROLI	1	342	3738	3.5	0.0	3.5
12	400 kV	ZERDA -BHINMAL	i	590	69	6.0	0.0	6.0
13	400 kV	VINDHYACHAL -RIHAND	1	966	0	21.8	0.0	21.8
14	400 1 77	RAPP-SHUJALPUR	,	210			5.7	5.0
15	400 kV				641	0.7		-5.0
16 17	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
	220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK	1 1	0	0 30	0.0 0.0	0.0 2.7	0.0 -2.7
18	220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1 1	0 0 115	0 30 0	0.0 0.0 0.7	0.0	0.0 -2.7 0.7
18 19	220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1	0 0 115 75 0	0 30	0.0 0.0 0.7 1.5 0.0	0.0 2.7 0.0 0.0 0.0	0.0 -2.7 0.7 1.5 0.0
	220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1	0 0 115 75	0 30 0 0 0	0.0 0.0 0.7 1.5 0.0	0.0 2.7 0.0 0.0 0.0 0.0	0.0 -2.7 0.7 1.5 0.0
19 20	220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1	0 0 115 75 0	0 30 0 0	0.0 0.0 0.7 1.5 0.0	0.0 2.7 0.0 0.0 0.0	0.0 -2.7 0.7 1.5 0.0
19 20	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	1 1 1	0 0 115 75 0	0 30 0 0 0	0.0 0.0 0.7 1.5 0.0 0.0 66.2	0.0 2.7 0.0 0.0 0.0 0.0	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6
19 20 Impo 1 2	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (HVDC	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 1 1 1 1 1 2	0 0 115 75 0 0	0 30 0 0 0 0 WR-NR	0.0 0.0 0.7 1.5 0.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 283.8	0.0 -2.7 0.7 1.5 0.0
19 20 Impo 1 2 3	220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (HVDC 765 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHIS HAN BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	1 1 1 1 1 1 1 2	0 0 115 75 0 0 987 2874 492	0 30 0 0 0 0 WR-NR	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3	0.0 2.7 0.0 0.0 0.0 0.0 283.8 0.0 17.2	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 53.8 -16.9
19 20 Impo 1 2 3 4	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (HVDC HVDC 765 kV 765 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 1 1 1 1 2 2	0 0 115 75 0 0 987 2874 492 0	0 30 0 0 0 WR-NR 0 0 2826 3777	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0	0.0 2.7 0.0 0.0 0.0 0.0 283.8 0.0 0.0 17.2 46.8	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV ort/Export of WR (HVDC HVDC 765 kV 4400 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 1 1 1 1 2	0 0 115 75 0 0 987 2874 492	0 30 0 0 0 0 WR-NR	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2	0.0 2.7 0.0 0.0 0.0 0.0 283.8 0.0 0.0 17.2 46.8 0.0	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 26.2
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 156 kV 165 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWALIMADHOPUR RAJGHAT-LALITPUR WHB SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 115 75 0 0 0 987 2874 492 0 1475	0 30 0 0 0 WR-NR 0 0 2826 3777 0	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 1.0 1.0	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 156 kV 165 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 1 1 1 2 2	0 0 115 75 0 0 0 1 987 2874 492 0 1475 0	0 30 0 0 0 WR-NR 0 0 2826 3777 0 0	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 0.0	0.0 2.7 0.0 0.0 0.0 0.0 283.8 0.0 0.0 17.2 46.8 0.0 0.0	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 -26.2 0.0 0.0 1.8
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 156 kV 165 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK 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	1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	0 0 115 75 0 0 0 1987 2874 492 0 1475 0 0	0 30 0 0 0 WR-NR 0 0 2826 3777 0 0	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 283.8 0.0 17.2 46.8 0.0 0.0 0.0	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 26.2 0.0 0.0 1.8
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 765 kV 400 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK 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	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1	0 0 115 75 0 0 0 1987 2874 492 0 1475 0 0	0 30 0 0 0 WR-NR 0 0 2826 3777 0 0	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 0.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 283.8 0.0 17.2 46.8 0.0 0.0 0.0	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve)
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 765 kV 400 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK 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	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	0 0 115 75 0 0 0 1987 2874 492 0 1475 0 0	0 30 0 0 0 WR-NR 0 0 2826 3777 0 0	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 0.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 283.8 0.0 17.2 46.8 0.0 0.0 0.0	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 5.3.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 155 kV 155 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWALIMADHOPUR RAJGHAT-LALITPUR WHIB SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	0 0 115 75 0 0 987 2874 492 0 1475 0 0 0 CHANGES	0 30 0 0 0 0 WR-NR 0 0 2826 3777 0 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 1.8 106.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 283.8 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 17.2 Imports	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve)
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 155 kV 155 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWALIMADHOPUR RAJGHAT-LALITPUR WHIB SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 CCHANGES Name	0 30 0 0 0 0 WR-NR 0 0 2826 3777 0 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 1.8 106.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 283.8 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 17.2 Imports	0.0 -2.7 0.7 1.5 0.0 0.0 -217.6 24.0 5.3.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 155 kV 155 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	0 0 115 75 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30 0 0 0 WR-NR 0 0 2826 3777 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 0.0 Min (MW)	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 17.2 46.8 0.0 Timportic	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 -217.6 24.0 5.3.8 -16.9 -46.8 -26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 155 kV 155 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWALMADHOPUR RAIGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV)	0 30 0 0 0 0 WR-NR 0 0 2826 3777 0 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 1.8 106.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 17.2 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU)
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 155 kV 155 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400kV) URI 1,2,4 (0 30 0 0 0 WR-NR 0 0 2826 3777 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 0.0 Min (MW)	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 17.2 46.8 0.0 Timportic	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 -217.6 24.0 5.3.8 -16.9 -46.8 -26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	1	0 0 115 75 0 0 0 987 2874 492 0 1475 0 0 1475 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4/180MW) URI 1,2,4 (& 400kW)	0 30 0 0 0 0 WR-NR 0 0 2826 3777 0 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 0.0 66.2 24.0 53.8 0.3 0.0 0.2 26.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 45.3 Imports Avg (MW)	0.0 -2.7 -0.7 -0.7 -1.5 -0.0 -0.0 -2.17.6 -24.0 -5.3.8 -16.9 -46.8 -26.2 -0.0 -0.0 -1.8 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 155 kV 155 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWALMADHOPUR RAIGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 1475 0 0 0 CCHANGES Name U-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,24 (8*400KV) URI 1,25 (8*400KV) URI 1,24 (8*400KV) URI 1	0 30 0 0 0 0 WR-NR 0 0 2826 3777 0 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 1.8 106.0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 17.2 46.8 46.8 46.8 46.8 46.8 46.8 46.8 46.8	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU)
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400kV) URI 1,2,4 (8*400kV) URI 1,2,4 (8*400kV) HP (6*110MW) PARA 1,82 (8*220kV) HP (6*10MW) PARA 1,82 (8*220kV) HP (6*10MW) PARA 1,82 (8*220kV) HP (8*10MW) HP (8*10M	0 30 0 0 0 0 WR-NR 0 0 2826 3777 0 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 0.0 66.2 24.0 53.8 0.3 0.0 0.2 26.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 17.2 46.8 46.8 46.8 46.8 6.0 0.0 6.0 17.2 46.8 6.0 0.0 6.0 17.2 46.8 6.0 0.0 6.0 0.0 6.0 17.2 17.2 46.8 6.0 0.0 6.0 0.0 6.0 17.2 46.8 6.2 150	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 -26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400kV) URI 1,2,4 (8*400kV) URI 1,2,4 (8*400kV) HP (6*110MW) PARA 1,82 (8*220kV) HP (6*10MW) PARA 1,82 (8*220kV) HP (6*10MW) PARA 1,82 (8*220kV) HP (8*10MW) HP (8*10M	0 30 0 0 0 0 WR-NR 0 0 2826 3777 0 0 0 0 WR-SR	0.0 0.0 0.7 1.5 0.0 0.0 0.0 66.2 24.0 53.8 0.3 0.0 0.2 26.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 45.3 Imports Avg (MW)	0.0 -2.7 -0.7 -0.7 -1.5 -0.0 -0.0 -2.17.6 -24.0 -5.3.8 -16.9 -46.8 -26.2 -0.0 -0.0 -1.8 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0 -2.0
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RAPPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400kV) URI 1,2,4 (8*400kV) URI 1,2,4 (8*400kV) HP (6*110MW) PARA 1,82 (8*220kV) HP (6*10MW) PARA 1,82 (8*220kV) HP (6*10MW) PARA 1,82 (8*220kV) HP (8*10MW) HP (8*10M	0 30 0 0 0 0 0 WR-NR 0 0 0 2826 37777 0 0 0 0 97 WR-SR Max (MW) 533 655	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 53.8 0.3 0.0 26.2 0.0 1.8 106.0 Min (MW) 398	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 17.2 46.8 46.8 46.8 46.8 6.0 0.0 6.0 17.2 46.8 6.0 0.0 6.0 17.2 46.8 6.0 0.0 6.0 0.0 6.0 17.2 17.2 46.8 6.0 0.0 6.0 0.0 6.0 17.2 46.8 6.2 150	0.0 2.7 0.7 1.5 0.0 0.0 0.0 0.0 217.6 24.0 53.8 26.2 0.0 1.8 42.0 4-ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RAPPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 1475 0 0 CHANGES Name 8U-ALIPURDUAR AR RECEIPT (from 4480MW) URI 1,2,4 (& 4000V) URI 1,2,4 (& 4000V) RAHED (& BINAGURI A HEP) (6-170MW) PPARA 182 (& 2200V) A) i.e. BINAGURI A HEP (6-170MW) PPARA 182 (& 2200V) A) i.e. BRPARA	0 30 0 0 0 0 0 WR-NR 0 0 0 2826 37777 0 0 0 0 97 WR-SR Max (MW) 533 655	0.0 0.0 0.7 1.5 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 53.8 0.3 0.0 26.2 0.0 1.8 106.0 Min (MW) 398	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 17.2 46.8 46.8 46.8 0.0 0.0 0.0 0.0 0.0 17.2 1mports 453	0.0 2.7 0.7 1.5 0.0 0.0 0.0 0.0 217.6 24.0 53.8 26.2 0.0 1.8 42.0 4-ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 1475 0 0 CHANGES Name 8U-ALIPURDUAR AR RECEIPT (from 4480MW) URI 1,2,4 (& 4000V) URI 1,2,4 (& 4000V) RAHED (& BINAGURI A HEP) (6-170MW) PPARA 182 (& 2200V) A) i.e. BINAGURI A HEP (6-170MW) PPARA 182 (& 2200V) A) i.e. BRPARA	0 30 0 0 0 0 0 0 WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 0.0 1.8 106.0 Min (MW) 398 575	0.0 2.77 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 4.0 17.2 45.3 622	0.0 -2.7 0.7 0.7 1.5 0.0 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 -26.2 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RAPPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER ER NER	1	0 0 115 75 0 0 187 987 2874 492 0 1475 0 0 1475 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12.4 (8 400kV URI) i.e. BINAGURI AUF 14 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 30 0 0 0 0 WR-NR 0 0 2826 37777 0 0 0 97 WR-SR Max (MW) 533 655	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 53.8 0.3 0.0 26.2 0.0 1.8 106.0 Min (MW) 398 575	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 0.0 17.2 46.8 10 0.0 17.2 17.2 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 -2.17.6 24.0 5.3.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 0.2 0.7
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER	1	0 0 115 75 0 0 187 987 2874 492 0 1475 0 0 1475 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12.4 (8 400kV URI) i.e. BINAGURI AUF 14 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 30 0 0 0 0 0 0 WR-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 66.2 24.0 53.8 0.3 0.0 26.2 0.0 0.0 0.0 1.8 106.0 Min (MW) 398 575	0.0 2.77 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 4.0 17.2 45.3 46.8 10 0.0 17.2 17.2 17.2 18.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19	0.0 2.77 0.7 0.7 1.5 0.0 0.0 0.0 2.17.6 24.0 53.8 -16.9 -46.8 2.6.2 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 tHVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SB) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER ER NER NER	1	0 0 115 75 0 0 987 2874 492 0 14475 0 0 14475 0 0 0 CCHANGES Name 80-ALPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV RR)	0 30 0 0 0 0 WR-NR 0 0 0 2826 3777 0 0 0 97 WR-SR Max (MW) 533 655 175 20	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 53.8 0.0 0.0 0.0 1.8 106.0 Min (MW) 398 575	0.0 2.77 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -2.7 0.7 0.7 0.7 1.5 0.0 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6 0.2
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RAPPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WHI SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER ER NER	1	0 0 115 75 0 0 987 2874 492 0 14475 0 0 14475 0 0 0 CCHANGES Name 80-ALPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV RR)	0 30 0 0 0 0 WR-NR 0 0 2826 37777 0 0 0 97 WR-SR Max (MW) 533 655	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 53.8 0.3 0.0 26.2 0.0 1.8 106.0 Min (MW) 398 575	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 0.0 17.2 46.8 10 0.0 17.2 17.2 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 -2.17.6 24.0 5.3.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 0.2 0.7
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 tHVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SB) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER ER NER NER	1	0 0 115 75 0 0 987 2874 492 0 14475 0 0 14475 0 0 0 CCHANGES Name 80-ALPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV RR)	0 30 0 0 0 0 WR-NR 0 0 0 2826 3777 0 0 0 97 WR-SR Max (MW) 533 655 175 20	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 53.8 0.0 0.0 0.0 1.8 106.0 Min (MW) 398 575	0.0 2.77 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -2.7 0.7 0.7 1.5 0.0 0.0 -2.17.6 24.0 53.8 -16.9 -46.8 26.2 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6 0.2 0.7
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 tHVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SB) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER ER NER NER	1	0 0 115 75 0 0 987 2874 492 0 14475 0 0 14475 0 0 0 CCHANGES Name 80-ALPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV RR)	0 30 0 0 0 0 WR-NR 0 0 0 2826 3777 0 0 0 97 WR-SR Max (MW) 533 655 175 20	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 53.8 0.0 0.0 0.0 1.8 106.0 Min (MW) 398 575	0.0 2.77 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -2.7 0.7 0.7 1.5 0.0 0.0 -2.17.6 24.0 53.8 -16.9 -46.8 26.2 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6 0.2 0.7
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 tHVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWALMADHOPUR RAIGHAT-LALITPUR WHIS RN BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER ER NER NER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,24 (8*400KV) URI 1,24 (8*400KV) URI 1,24 (8*400KV) URI 1,24 (8*400KV) LAKATI ANGIA	0 30 0 0 0 0 WR-NR 0 0 2826 37777 0 0 0 97 WR-SR Max (MW) 533 655 175 20 45	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 0.0 17.2 46.8 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 -26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6 0.2 0.7
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 tHVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SISTEMATION SISTE	1	0 0 115 75 0 0 135 0 987 2874 492 0 1475 0 0 1475 0 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,24 (8 400KV URI) 1,6 BINAGURI A HEP (6*170MW) PARA 182 (8 220KV A) 1,6 BINAGURI A HEP (8*10MW) LAKATI ANGIA NAGAR- ROM BIHAR) ANGIA	0 30 0 0 0 0 0 WR-NR 0 0 0 2826 3777 0 0 0 97 WR-SR Max (MW) 533 655 175 20 45 0	0.0 0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 53.8 0.0 0.2 24.0 53.8 0.0 1.8 106.0 Min (MW) 398 575 149 0 0 170	0.0 2.77 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -2.7 0.7 0.7 0.7 1.5 0.0 0.0 -2.17.6 24.0 53.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6 0.2 0.7 -1.3 -0.1
19 20 Impo 1 2 3 4 5 6	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 tHVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWALMADHOPUR RAIGHAT-LALITPUR WHIS RN BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER ER NER NER	1	0 0 115 75 0 0 987 2874 492 0 1475 0 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,24 (8*400KV) URI 1,24 (8*400KV) URI 1,24 (8*400KV) URI 1,24 (8*400KV) LAKATI ANGIA	0 30 0 0 0 0 WR-NR 0 0 2826 37777 0 0 0 97 WR-SR Max (MW) 533 655 175 20 45	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 0.0 17.2 46.8 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 -2.7 0.7 1.5 0.0 0.0 0.0 -2.17.6 24.0 53.8 -16.9 -46.8 -26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 0.2 0.7
19 20 Impo 1 2 3 4 5 6 7 8 8	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 152 kV 152 kV 152 kV 152 kV 153 kV 153 kV 154 kV 155 kV 15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWALMADHOPUR RAIGHAT-LALITPUR WHIS RN BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER ER NER NER NER NER NER	1	0 0 115 75 0 0 187 987 2874 492 0 1475 0 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MV) URI 1,24 (8 400RV) URI 1,24 (8 400RV) URI 1,24 (8 400RV) AR HEP (6*190MW) PARA 1,82 (8 220RV) LAKATI ANGIA ANG	0 30 0 0 0 0 WR-NR 0 0 0 2826 37777 0 0 0 97 WR-SR Max (MW) 533 655 175 20 45 0 -21 378	0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 53.8 0.3 0.0 26.2 0.0 1.8 106.0 Min (MW) 398 575 149 5 0 0 0 170	0.0 2.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17.2 46.8 0.0 0.0 0.0 0.0 0.0 17.2 46.8 10 0.0 0.0 17.2 17.2 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 -2.7 0.7 0.7 1.5 0.0 0.0 0.0 -217.6 24.0 53.8 -16.9 -46.8 -26.2 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6 0.2 0.7 -1.3 -0.1 -7.1
19 20 Impo 1 2 3 4 5 6 7 8 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 tHVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WISH SISTEMATION SISTE	1	0 0 115 75 0 0 187 987 2874 492 0 1475 0 0 1475 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MV) URI 1,24 (8 400RV) URI 1,24 (8 400RV) URI 1,24 (8 400RV) AR HEP (6*190MW) PARA 1,82 (8 220RV) LAKATI ANGIA ANG	0 30 0 0 0 0 0 WR-NR 0 0 0 2826 3777 0 0 0 97 WR-SR Max (MW) 533 655 175 20 45 0	0.0 0.0 0.0 0.0 0.7 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 53.8 0.0 0.2 24.0 53.8 0.0 1.8 106.0 Min (MW) 398 575 149 0 0 170	0.0 2.77 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 -2.7 0.7 0.7 0.7 1.5 0.0 0.0 -2.17.6 24.0 53.8 -16.9 -46.8 26.2 0.0 0.0 1.8 42.0 +ve)/Export(-ve) Energy Exchange (MU) 10.9 14.9 3.6 0.2 0.7 -1.3 -0.1