

# 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

I

दिनांक: 12<sup>th</sup> May 2022

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 11.05.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-मई-2022 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 11<sup>th</sup> May 2022, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

Date of Reporting: 12-May-2022

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	63672	61132	41331	22961	2849	191945
Peak Shortage (MW)	430	0	0	450	0	880
Energy Met (MU)	1489	1499	942	515	51	4497
Hydro Gen (MU)	260	44	57	56	14	430
Wind Gen (MU)	18	96	247	-	-	362
Solar Gen (MU)*	104.77	48.27	41.65	4.84	0.53	200
Energy Shortage (MU)	2,21	6.77	0.00	4.15	0.25	13.38
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67563	67313	41797	23155	2875	196278
Time Of Maximum Demand Met (From NLDC SCADA)	22:37	14:52	11:16	21:21	19:21	14:47

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.028	0.00	0.25	5.00	5.25	82.06	12.68
C Dower Suppl	ly Desition in States						

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		day(MW)	Demand(MW)	` '	(MU)	` '	` ′	(MU)
	Punjab	9939	0	223.6	120.7	-0.7	177	0.00
	Haryana	9349	0	200.4	127.1	0.6	172	0.00
	Rajasthan	14949	0	307.3	101.5	2.6	467	0.70
	Delhi	6520	0	129.8	113.1	0.1	225	0.00
NR	UP	24281	0	486.9	205.6	-0.5	464	1.06
	Uttarakhand	2222	0	47.1	27.2	0.4	147	0.00
	HP	1616	0	33.4	9.0	-0.8	51	0.00
	J&K(UT) & Ladakh(UT)	2547	0	53.7	34.1	-1.4	122	0.45
	Chandigarh	327	0	6.4	6.3	0.1	37	0.00
	Chhattisgarh	4698	0	109.9	59.2	-2.4	148	0.00
	Gujarat	20519	0	443.0	208.2	0.0	707	0.00
	MP	12341	0	274.5	145.2	-0.6	952	6.77
WR	Maharashtra	27742	0	609.9	182.6	1.5	699	0.00
	Goa	660	0	15.2	15.0	0.2	51	0.00
	DD	333	0	7.3	7.4	-0.1	45	0.00
	DNH	865	0	20.3	20.3	0.0	51	0.00
	AMNSIL	854	0	18.8	10.0	-0.3	266	0.00
	Andhra Pradesh	7070	0	151.7	-11.4	-1.1	666	0.00
	Telangana	8391	0	184.1	90.7	0.9	652	0.00
SR	Karnataka	10153	0	197.6	21.3	-2.7	564	0.00
	Kerala	3627	0	75.1	56.7	-0.4	243	0.00
	Tamil Nadu	14513	0	324.9	133.0	-3.3	523	0.00
	Puducherry	414	0	8.7	9.2	-0.6	34	0.00
	Bihar	5952	198	121.6	109.0	0.2	476	2.61
	DVC	3485	0	77.6	-45.8	0.2	296	0.00
	Jharkhand	1554	0	33.7	24.5	0.5	241	1.54
ER	Odisha	5494	0	118.3	51.3	0.6	532	0.00
	West Bengal	7950	0	162.6	38.6	-0.6	287	0.00
	Sikkim	113	0	1.7	1.4	0.2	56	0.00
	Arunachal Pradesh	132	0	2.2	2.3	-0.2	57	0.00
	Assam	1845	0	32.5	28.3	-1.3	174	0.00
	Manipur	179	0	2.5	2.5	0.0	18	0.00
NER	Meghalaya	350	0	6.0	2.5	-0.1	70	0.25
	Mizoram	107	0	1.8	1.9	-0.1	4	0.00
	Nagaland	134	0	2.3	2.1	-0.2	12	0.00
	Tripura	235	0	4.1	3.0	-0.5	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	7.8	-7.7	-24.2
Day Peak (MW)	461.0	-486.5	-1016.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	297.3	-132.3	-71.8	-93.2	0.0	0.0
Actual(MU)	294.2	-113.6	-96.0	-88.2	-1.0	-4.6
O/D/U/D(MU)	-3.1	18.7	-24.2	4.9	-0.9	-4.6

## F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4309	10038	5928	2830	425	23530	49
State Sector	6814	9373	6429	1800	47	24462	51
Total	11123	19411	12357	4630	472	47993	100

## G. Sourcewise generation (MU)

NR	WR	SR	ER	NER	All India	% Share
748	1391	577	572	15	3305	72
18	16	51	0	0	85	2
260	44	57	56	14	430	9
21	33	46	0	0	100	2
24	17	9	0	29	79	2
146	145	314	5	1	610	13
1218	1646	1053	633	59	4610	100
12.01	8.80	29.79	0.76	0.90	13.24	
35.10	13.46	39.55	9.57	24.11	24.74	
	748 18 260 21 24 146 1218	748 1391 18 16 260 44 21 33 24 17 146 145 1218 1646  12.01 8.80	748         1391         577           18         16         51           260         44         57           21         33         46           24         17         9           146         145         314           1218         1646         1053           12.01         8.80         29.79	748         1391         577         572           18         16         51         0           260         44         57         56           21         33         46         0           24         17         9         0           146         145         314         5           1218         1646         1053         633           12.01         8.80         29.79         0.76	748         1391         577         572         15           18         16         51         0         0           260         44         57         56         14           21         33         46         0         0           24         17         9         0         29           146         145         314         5         1           1218         1646         1053         633         59           12.01         8.80         29.79         0.76         0.90	748         1391         577         572         15         3305           18         16         51         0         0         85           260         44         57         56         14         430           21         33         46         0         0         100           24         17         9         0         29         79           146         145         314         5         1         610           1218         1646         1053         633         59         4610           12.01         8.80         29.79         0.76         0.90         13.24

H. All I	ndia De	mand Di	versity	Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.077

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: 12-May-2022

· ·							Date of Reporting:	
SI	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	12-May-2022 NET (MU)
No	_		No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MC)	Export (MC)	NET (MO)
Impo 1	rt/Export of ER (	With NR) ALIPURDUAR-AGRA	)	0	0	0.0	0.0	0.0
2		PUSAULI B/B	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	129	329	0.0	0.5	-0.5
4		SASARAM-FATEHPUR	1	0	371	0.0	6.5	-6.5
6		GAYA-BALIA BUGATILI WADANAGI	1	0 15	723 68	0.0	12.9 0.2	-12.9 -0.2
7	400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	i	0	134	0.0	0.9	-0.9
8		MUZAFFARPUR-GORAKHPUR	2	0	666	0.0	8.4	-8.4
9		PATNA-BALIA	2	0	512	0.0	8.5	-8.5
10		NAUBATPUR-BALIA	2 2	0	546	0.0	9.8 7.0	-9.8
11		BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	548 451	0.0	7.0	-7.0 -7.2
13		BIHARSHARIFF-VARANASI	2	0	257	0.0	3.2	-3.2
14	220 kV	SAHUPURI-KARAMNASA	1	0	186	0.0	2.9	-2.9
15		NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16		GARWAH-RIHAND KARMANASA-SAHUPURI	1	25	0	0.4	0.0	0.4
17 18		KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	67.9	-67.5
Impo	rt/Export of ER (							
1		JHARSUGUDA-DHARAMJAIGARH	4	629	0	0.0	4.5	-4.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1388	0	18.7	0.0	18.7
3	765 kV	JHARSUGUDA-DURG	2	0	314	3.1	0.0	3.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	7.3	-7.3
5	400 kV	RANCHI-SIPAT	2	291	0	3.0	0.0	3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	101	0.0	1.4	-1.4
7		BUDHIPADAR-KORBA	2	100	0	1.4	0.0	1.4
					ER-WR	26.2	13.2	13.0
	rt/Export of ER (			_	4		0.5	
1		JEYPORE-GAZUWAKA B/B	2	0	447 992	0.0	9.7 24.1	-9.7 -24.1
3		TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2	0	992 1763	0.0	24.1	-24.1 -24.1
4		TALCHER-I/C	2	435	0	9.4	0.0	9.4
5		BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	57.8	-57.8
	rt/Export of ER (			104	255	0.0	2.0	3.0
2	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2 2	101 122	277 437	0.0	2.9 4.7	-2.9 -4.7
3		ALIPURDUAR-SALAKATI	2	16	93	0.0	1.1	-1.1
			· · · · · · · · · · · · · · · · · · ·		ER-NER	0.0	8.7	-8.7
Impo	rt/Export of NER							
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1005 NER-NR	0.0	10.2 10.2	-10.2
Impo	rt/Export of WR	With NR)			NEK-NK	0.0	10.2	-10.2
1		CHAMPA-KURUKSHETRA	2	0	4020	0.0	62.7	-62.7
2	HVDC	VINDHYACHAL B/B	-	183	52	4.2	0.2	4.1
3		MUNDRA-MOHINDERGARH	2	301	0	7.1	0.0	7.1
4		GWALIOR-AGRA	2 2	0	2431	0.0	41.5	-41.5 20.0
6		GWALIOR-PHAGI JABALPUR-ORAI	2	0	1750 1149	0.0	29.0 39.6	-29.0 -39.6
7		GWALIOR-ORAI	1	676	0	13.0	0.0	13.0
8	765 kV	SATNA-ORAI	1	0	1062	0.0	22.5	-22.5
9	765 kV	BANASKANTHA-CHITORGARH	2	1002	309	4.5	0.0	4.5
10 11	765 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI	2	0 225	3813 32	2.0	73.9 0.0	-73.9 2.0
12		ZERDA-RAMKOLI ZERDA -BHINMAL	i	388	114	2.8	0.0	2.8
13		VINDHYACHAL -RIHAND	1	959	0	21.9	0.0	21.9
14		D A DD CHILLAT DUD	2	58	594	0.0	6.5	-6.5
15		RAPP-SHUJALPUR						
	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK	1	0	30	0.0 0.0	0.0 0.0	0.0 0.0
16 17	220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1 1 1	0 80	30 4	0.0 0.0 0.4	0.0	0.0 0.0 0.4
16	220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1 1 1 1	0	30	0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0
16 17 18	220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1	0 80 41	30 4 24 0	0.0 0.0 0.4 1.2 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0
16 17 18 19 20	220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 1	0 80 41 0	30 4 24 0	0.0 0.0 0.4 1.2 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0
16 17 18 19 20 Impo	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	1 1 1 1	0 80 41 0	30 4 24 0 0 WR-NR	0.0 0.0 0.4 1.2 0.0 0.0 57.2	0.0 0.0 0.0 0.0 0.0 0.0 0.0 275.8	0.0 0.0 0.4 1.2 0.0 0.0 -218.6
16 17 18 19 20	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 1	0 80 41 0	30 4 24 0	0.0 0.0 0.4 1.2 0.0 0.0 57.2	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0
16 17 18 19 20 Impo 1 2	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 17/Export of WR (HVDC HVDC 765 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SB, BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJGHUR	1 1 1 1 1 2	0 80 41 0 0 287 2875 2083	30 4 24 0 0 WR-NR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4	0.0 0.0 0.0 0.0 0.0 0.0 275.8 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0
16 17 18 19 20 Impo 1 2 3	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC 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 2	0 80 41 0 0 0 287 2875 2083	30 4 24 0 0 WR-NR 0 0 0 596 1900	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 275.8	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0 -21.1
16 17 18 19 20 Impo 1 2 3 4	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14 kV 15 kV 17 kV 17 kV 18 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 1 2 2 2 2 2 2 2	0 80 41 0 0 287 2875 2083 0 1777	30 4 24 0 0 WR-NR 0 0 596 1900	0.0 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 275.8 0.0 0.0 0.0 0.0	0.0 0.4 1.2 0.0 0.0 -218.6 24.0 25.5 23.0 -21.1 34.4
16 17 18 19 20 Impo 1 2 3	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC T65 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	1 1 1 1 1 2	0 80 41 0 0 0 287 2875 2083	30 4 24 0 0 WR-NR 0 0 0 596 1900	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 275.8	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0 -21.1
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 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-PUGA LUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 1 2 2 2 2 2 2 2	987 2875 2875 2083 0 1777 0	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 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	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 2 2 2 2 2 2 2 2 2 2 2 1 1	987 2875 2083 0 0 1777 0 0 0	30 4 24 0 0 WR-NR 0 0 596 1900 0	0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 275.8 0.0 0.0 0.4 21.1 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0 -21.1 34.4 0.0
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 2 2 2 2 2 2 2	987 2875 2083 0 0 1777 0 0 0	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 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	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve)
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 IN	1	987 2875 2083 0 0 1777 0 0 0 CHANGES	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 0 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 0.0 2.4 139.5	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 (+ve)/Export(-ve)
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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	987 	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 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	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve)
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	1	987 2875 2083 0 0 1777 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 119 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 0.0 0.0 34.4 0.0 0.0 0.0 0.0 34.4 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 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.0 0.0 0.0 218.6 24.0 55.2 23.0 21.1 34.4 0.0 0.0 117.9 4+ve)/Export(-ve) Energy Exchange
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-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 IN	1	987 2875 2083 0 1777 0 0 1777 0 0 0 CHANGES Name III-ALIPURDUAR AR RECEIPT (from 4*180MW)	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 0 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 0.0 2.4 139.5	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 -218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 (+ve)/Export(-ve)
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	- 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400RV MACADEURIU 400RV MACADEURIU 440RV TALLE HEAD CONTROL TO THE ANARY TALLE HEAD CONTROL TAL	0 80 41 0 0 287 2875 2083 0 1777 0 0 0 CHANGES Name UL-ALIFURDUAR AR RECEIPT (from 4*180MW)	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 119 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 0.218.6  24.0 55.2 23.0 -211.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve) Energy Exchange (MII) 3.3
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2AS 1,6 ALIPU HEP 40MALBASE ANAGMALBASE ANAGMA ANAGMALBASE ANAGMA ANAG	0 80 41 0 0 987 1 987 2 987 5 2083 0 1777 0 0 0 0 0 CHANGES Name IU-ALIPURDUAR AR RECEIPT (from 4*180MW). URI 12,4 (& 400KV) RIQI 1c. BINAGURI 1c. BINAGURI	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 119 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 0.0 0.0 34.4 0.0 0.0 0.0 0.0 34.4 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 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.0 0.0 0.0 218.6 24.0 55.2 23.0 21.1 34.4 0.0 0.0 117.9 4+ve)/Export(-ve) Energy Exchange
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	- 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400RV MACADEURIU 400RV MACADEURIU 440RV TALLE HEAD CONTROL TO THE ANARY TALLE HEAD CONTROL TAL	0 80 80 41 41 0 0 987 2875 2875 2083 2083 2083 2083 2083 2083 2083 2083	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 119 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 0.218.6  24.0 55.2 23.0 -211.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve) Energy Exchange (MII) 3.3
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 14VDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 TERNATIONAL EX LIDE 400kV MANGALEAH 1,2k3 i.e. ALIPURDU 400kV TALA-HURDU 4	0 80 80 41 41 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 119 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 0.218.6  24.0 55.2 23.0 -211.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve) Energy Exchange (MII) 3.3
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	TERNATIONAL EX  Line  400KV MANGDECHH 11  12  2  2  2  1  1  TERNATIONAL EX  Line 400KV MANGDECHH 11  1283 i.e. ALIPURDU MANGDECHH 1284 i.e. ALIPURDU MANGDECHH 1284 i.e. ALIPURDU MANGDECHH 140KV MANGDECHH 160KV MANGDECHH 17  18  18  18  18  18  18  18  18  18	0 80 80 41 41 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 4 24 0 0 WR-NR 0 0 S96 1900 0 0 119 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 0.0 0.0 0.0 34.4 0.0 0.0 0.0 0.0 0.0 0.0 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.0 0.0 218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 4ve)/Export(-ve) Energy Exchange (MII) 3.3
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER	TERNATIONAL EX  2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 1 1 1 2 2 2 2 2 2 1 1 2	0 80 80 41 41 0 0 987 2875 2875 2083 0 0 17777 0 0 0 17777 0 0 0 0 0 0 0 0 0	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 119 WR-SR Max (MW)	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 0.0 0.0 0.0 158	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.1 1.2 0.0 0.0 -218.6  24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9  Energy Exchange (MII) 3.3 4.1
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 TERNATIONAL EX LIDE 400kV MANGALEAH 1,2k3 i.e. ALIPURDU 400kV TALA-HURDU 4	0 80 80 41 41 0 0 987 2875 2875 2083 0 0 17777 0 0 0 17777 0 0 0 0 0 0 0 0 0	30 4 24 0 0 WR-NR 0 0 S96 1900 0 0 119 WR-SR	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 0.0 0.0 0.0 34.4 0.0 0.0 0.0 0.0 0.0 0.0 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.0 0.0 218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 4ve)/Export(-ve) Energy Exchange (MII) 3.3
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 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 RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN  Region  ER  ER  ER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 4 1 1 1 1	0 80 41 41 0 0 987 1 2875 2083 0 17777 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 0 119 WR-SR Max (MW) 161	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5  Min (MW)  0 158	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.0 0.0 218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve) Energy Exchange (MII) 3.3 4.1
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER	TERNATIONAL EX  2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 1 1 1 2 2 2 2 2 2 1 1 2	0 80 41 41 0 0 987 1 2875 2083 0 17777 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 119 WR-SR Max (MW)	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 0.0 0.0 0.0 158	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.1 1.2 0.0 0.0 -218.6  24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9  Energy Exchange (MII) 3.3 4.1
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER  ER	TERNATIONAL EX  2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400RV MANGALPURIU 400RV MANGALPURIU 400RV BALDEURIU 400RV TALLA-BINAG MALBASE - BINAGA 132kV GELEPHU-SA	0 80 80 41 90 987 987 987 987 987 987 987 987 98 99 99 99 99 99 99 99 99 99 99 99 99	30 4 24 0 0 WR-NR 0 0 596 596 1900 0 0 0 119 WR-SR 1919 194 161	0.0 0.0 0.1 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5  Min (MW)  0 158	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 0.0 0.0 2.18.6  24.0 55.2 2.3.0 -21.1 34.4 0.0 0.0 2.4 117.9  +ve)/Export(-ve) Energy Exchange (MII) 3.3 4.1  1.2  0.1
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 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 RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN  Region  ER  ER  ER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 4 1 1 1 1	0 80 80 41 90 987 987 987 987 987 987 987 987 98 99 99 99 99 99 99 99 99 99 99 99 99	30 4 24 0 0 WR-NR 0 0 596 1900 0 0 0 0 119 WR-SR Max (MW) 161	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5  Min (MW)  0 158	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.0 0.0 0.0 0.0 218.6 24.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve) Energy Exchange (MII) 3.3 4.1 1.2
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 2 2 1 1  TERNATIONAL EX  400KV MANGBERH 1,2A8 1.6 ALIPURDU 11 11 11 11 12 12 13 14 15 15 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0 80 80 41 90 987 987 987 987 987 987 987 987 98 99 99 99 99 99 99 99 99 99 99 99 99	30 4 24 0 0 WR-NR 0 0 596 596 1900 0 0 0 119 WR-SR 1919 194 161	0.0 0.0 0.1 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5  Min (MW)  0 158	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 0.0 0.0 2.18.6  24.0 55.2 2.3.0 -21.1 34.4 0.0 0.0 2.4 117.9  +ve)/Export(-ve) Energy Exchange (MII) 3.3 4.1  1.2  0.1
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 2 2 1 1  TERNATIONAL EX  400KV MANGBERH 1,2A8 1.6 ALIPURDU 11 11 11 11 12 12 13 14 15 15 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0 80 80 41 987 987 987 987 987 987 987 987 987 987	30 4 24 0 0 WR-NR 0 0 596 596 1900 0 0 0 119 WR-SR 1919 194 161	0.0 0.0 0.1 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5  Min (MW)  0 158	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 1.2 0.0 0.0 0.0 0.0 2.18.6  24.0 55.2 2.3.0 -21.1 34.4 0.0 0.0 2.4 117.9  +ve)/Export(-ve) Energy Exchange (MII) 3.3 4.1  1.2  0.1
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  IN  IN  REGION  REGION  IN  REGION  RE	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECHH 1,0283 i.e. Alpurdu 400KV MANGDECHH 1,0284 i.e. Alpurdu 1,0284	0 80 80 41 987 987 987 987 987 987 987 987 987 987	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 119 WR-SR  Max (MW) 161 194 97 11 41	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 2.4 139.5  Min (MW)  158 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 0.1 1.2 0.0 0.0 0.0 0.0 0.0 218.6 24.0 55.2 23.0 21.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve) Energy Exchange (MII) 3.3 4.1 1.2 0.1 0.7
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHIR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REGION ER ER ER ER ER ER ER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX  Line 400kV MANGECHH 1,2&3 i.e. ALIPURDU MANGECHH 1,2&3 i.e. ALIPURDU MANGECHH 1,2&3 i.e. ALIPURDU MANGECHH HEP- 400kV TALA-BINAGI MALBASE - BINAGI MALBASE - B	0 80 80 41 41 0 0 987 2875 2875 2083 0 0 1777 0 0 0 177 0 0 0 0 0 0 0 0 0 0	30 4 4 24 0 0 WR-NR 0 9 596 1900 0 0 0 1119 WR-SR  Max (MW) 161 194 97 11 41 -79	0.0 0.0 0.0 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 158 0 112	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 1.2 0.0 0.0 0.0 0.0 2.18.6  24.0 55.2 23.0 21.1 34.4 0.0 0.0 117.9 4-ve)/Export(-ve) Energy Exchange (MII) 3.3 4.1  1.2  0.7  -1.7
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  IN  IN  REGION  REGION  IN  REGION  RE	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX  Line 400kV MANGECHH 1,2&3 i.e. ALIPURDU MANGECHH 1,2&3 i.e. ALIPURDU MANGECHH 1,2&3 i.e. ALIPURDU MANGECHH HEP- 400kV TALA-BINAGI MALBASE - BINAGI MALBASE - B	0 80 80 41 987 987 987 987 987 987 987 987 987 987	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 119 WR-SR  Max (MW) 161 194 97 11 41	0.0 0.0 0.4 1.2 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 2.4 139.5  Min (MW)  158 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 0.1 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 55.2 23.0 -21.1 34.4 0.0 0.0 0.0 2.4 117.9 +ve)/Export(-ve) Energy Exchange (MII) 3.3 4.1 1.2 0.1 0.7
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  ER  ER  ER  NER  NER  NER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400RV MANGALPURHU 1,0283 ic. ALDEURHU 1,0284 ic.	0 80 80 41 987 987 987 987 987 987 987 987 987 987	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 0 119 WR-SR  Max (MW) 161 194 97 11 41 -79 -53	0.0 0.0 0.0 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5  Min (MW)  0 158 0 12 0 -15	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 0.1 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 55.2 23.0 -21.1 34.4 0.0 0.0 2.4 117.9 +ve)/Export(-ve) Energy Exchange (MII) 0.7 -1.7 -0.7 -5.3
16 17 18 19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHIR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REGION ER ER ER ER ER ER ER  NER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400RV MANGALPURHU 1,0283 ic. ALDEURHU 1,0284 ic.	0 80 80 41 41 0 0 987 2875 2875 2083 0 0 1777 0 0 0 177 0 0 0 0 0 0 0 0 0 0	30 4 4 24 0 0 WR-NR 0 9 596 1900 0 0 0 1119 WR-SR  Max (MW) 161 194 97 11 41 -79	0.0 0.0 0.0 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 158 0 112	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 0.1 1.2 0.0 0.0 0.0 2.18.6  24.0 55.2 23.0 2.11 34.4 0.0 0.0 117.9 117.9  Energy Exchange (MII) 3.3 4.1  1.2  0.1  0.7  -1.7
16 17 18 19 20 Impo 1 2 3 4 5 6 7 8	220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 140 kV 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  ER  ER  ER  NER  NER  NER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECH 1,2&3 i.e. ALIPURDU MANG DECHU HP- 1,2&3 i.e. ALIPURDU MANG PECHU HIP- 1,2&3 i.e. ALIPURDU MANG PECHU HIP- 1,2&3 i.e. ALIPURDU MANG PECHU HIP- 1,3 i.e. ALIPURDU MANG PECHU HIP- 1,4 i.e. ALIPURDU MANG PECHU HIP- 1,5 i.e. ALIPURDU MANG PEC	0 80 80 41 41 90 987 987 987 987 987 987 987 987 987 987	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 0 119 WR-SR  Max (MW) 161 194 97 11 41 -79 -53	0.0 0.0 0.0 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5  Min (MW)  0 158 0 12 0 -15	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
16 17 18 19 20 Impo 1 2 3 4 5 6 7 8	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 132 kV 132 kV 140 kV 14	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  ER  ER  ER  NER  NER  NER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400RV MANGALPURHU 1,0283 ic. ALDEURHU 1,0284 ic.	0 80 80 41 41 90 987 987 987 987 987 987 987 987 987 987	30 4 4 24 0 0 WR-NR 0 0 596 1900 0 0 119 WR-SR  Max (MW) 161 194 97 11 41 -79 -53	0.0 0.0 0.0 0.4 1.2 0.0 0.0 0.0 57.2 24.0 55.2 23.4 0.0 34.4 0.0 0.0 2.4 139.5  Min (MW)  0 158 0 12 0 -15	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0