

## 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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 8<sup>th</sup> Jan 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
- 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 07.01.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-जनवरी-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 7<sup>th</sup> January 2022, is available at the NLDC website.

धन्यवाद,

## पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

LI OWEL Supply I osi	tion at All India and Regional level	NR	WR	SR	ER	NER	Total	7
emand Met during I	Evening Peak hrs(MW) (at 2000	49849	53317	41795	20079	2654	167694	=
Peak Shortage (MW)		325	0	0	126	0	451	
Energy Met (MU)		947	1198	999	403	46	3592	
lydro Gen (MU)		101	29	95	24	10	260	
Vind Gen (MU) olar Gen (MU)*		12	48	46 92.34	476	0.27	105	_
nergy Shortage (MU		11.50 10.25	30.76 0.01	0.00	4.76 3.67	0.00	140 13.93	
	let during the day (MW) & time	50537	58151	50889	20256	2703	175127	
from NLDC SCADA)		18:48	10:28	09:46	18:16	17:37	10:13	
B. Frequency Profile	(%)							
Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05	
All India	0.063	0.00	2.82	10.08	12.91	62.11	24.99	
C. Power Supply Posi	tion in States							
D	States	Max. Demand	Shortage during	F M-4 (MII)	Drawal Schedule	OD(+)/UD(-)	Max OD	Energy
Region		Met during the	maximum Demand	Energy Met (MU)	(MU)	(MU)	(MW)	Shortage (I
	Punjab	day (MW) 6291	(MW) 75	117.1	51.0	-1.4	238	5.53
	Haryana	6053	0	119.3	65.9	1.8	332	0.00
	Rajasthan	11483	0	208.8	39.3	-1.0	413	0.00
NR	Delhi	4559	0	72.0	62.1	-2.8	293	0.00
INK	UP Uttarakhand	17735 2204	0	294.5 41.1	76.5 29.0	-1.5 1.0	271 212	0.00
	Uttaraknand HP	2030	0	36.2	26.8	1.0	549	0.07
	J&K(UT) and Ladakh(UT)	2728	250	54.1	52.9	-3.9	184	4.65
	Chandigarh	252	0	4.1	4.2	-0.1	41	0.00
	Chhattisgarh	3889	0	83.5	27.7	0.1	217	0.00
	Gujarat MP	16447 11245	0	336.6 218.8	196.2 135.6	-4.8 -1.8	829 609	0.00
	Maharashtra	24454	0	501.1	135.6	-1.8 -7.3	430	0.00
WR	Goa	595	Ů Ů	12.3	11.9	0.3	32	0.00
	DD	326	Õ	7.3	6.9	0.4	50	0.00
	DNH	845	0	19.7	19.5	0.3	78	0.00
	AMNSIL	840	0	18.5	8.8	0.0	299	0.00
	Andhra Pradesh Telangana	9652 11840	0	183.5 211.9	78.2 87.4	0.2 -0.4	840 858	0.00
60	Karnataka	12565	0	221.3	62.4	2.3	739	0.00
SR	Kerala	3855	Ŏ	77.9	54.6	-0.1	302	0.00
	Tamil Nadu	14176	0	297.0	175.6	2.3	873	0.00
	Puducherry	363	0	7.2	7,2	0.0	40	0.00
	Bihar DVC	4887 3083	80	87.4 67.3	76.6 -39.5	0.1 -1.6	252 266	2.09
	Jharkhand	1662	46	30.4	21.9	-1.0	150	1.58
ER	Odisha	5259	0	100.9	49.5	-0.6	452	0.00
	West Bengal	6391	0	115.5	-1.9	-0.1	416	0.00
	Sikkim	111	0	1.8	1.8	0.0	50	0.00
	Arunachal Pradesh	146 1472	0	2.5 24.4	2.3 21.3	0.0 -0.8	34 123	0.00
	Assam Manipur	247	0	3.5	3.6	-0.0	123	0.00
NER	Meghalaya	394	Ŏ	7.2	6.1	0.0	39	0.00
	Mizoram	141	0	2.0	1.5	0.0	30	0.00
	Nagaland	138	0	2.3	2.1	0.2	18	0.00
	Tripura	254	0	3.7	3.0	-0.2	83	0.00
TuongnotiIF	hanges (MII) In	( ***)						
7. 1 Fanshauonai EXCI	hanges (MU) - Import(+ve)/Export	Bhutan	Nepal	Bangladesh				
Actual(MU)		-1.6	-7.0	-14.6				
Day peak (MW)		-124.0	-503.3	-757.0				
E. Import/export By I	Regions(in MU) - Import(+ve)/Expo	ort(-ve); OD(+)/UD(-	)					
		NR	WR	SR	ER	NER	TOTAL	
chedule(MU)		170.9	-165.1	110.2	-123.0	7.0	0.0	
Actual(MU) D/D/U/D(MU)		174.3 3.5	-184.8 -19.7	132.2 22.0	-126.7 -3.7	6.4 -0.6	1.5 1.5	Ⅎ
, , ,	0.0W)		-1/1/	##•V	-3.1	-0.0	1.0	_
G. Generation Outage	(IVI VV )	ND	(A/D	(p	ED	MED	Total	7
Central Sector		NR 8403	WR 13393	SR 7022	ER 2400	NER 659	<u>Total</u> 31876	⊣
State Sector		9495	17319	9883	3538	47	40281	<b>_</b>
otal		17898	30711	16905	5938	705	72157	
. Sourcewise genera	tion (MU)							
	·	NR	WR	SR	ER	NER	All India	
Coal		587 21	1256	531 38	538	9	2921 67	-
Lignite Hvdro		101	9 29	95	0 24	0 10	260	⊣
Nuclear		33	21	47	0	0	100	⊐
Gas, Naptha & Diesel RES (Wind, Solar, Bio	omass & Others	15	10	9	0	25	58 302	-
Ces (Wing, Solar, Bio Cotal	omass & Omers)	52 808	80 1405	165 885	5 567	44	302 3709	7
Share of RES in total	generation (%)	6.48	5.67	18.67	0.85	0.62	8.15	7
	el (Hydro, Nuclear and RES) in	23.06	9.24	34.70	5.13	23.29	17.86	┪
01 1 1000H TU	(, ar o, r acreal and religi) III						200	
I. All India Demand			_	I. All India Demand		85		

H. All India Demand Diversity Factor

Based on Regional Max Demands

Based on State Max Demands

1.042

Based on State Max Demands

1.077

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

 $<sup>\</sup>textbf{*Source:} \ RLDCs \ for \ solar \ connected \ to \ ISTS; \ SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$ 

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 08-Jan-2022

Sl No							Date of Reporting:	08-Jan-2022
No.	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impor	rt/Export of ER (					1		
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2		PUSAULI B/B	-	3	0	0.0	0.0	0.0
3		GAYA-VARANASI	2	202	862	0.0	8.8	-8.8
5	765 kV 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	0	494 528	0.0	7.9 7.0	-7.9 -7.0
6		PUSAULI-VARANASI	1	34	89	0.0	1.1	-1.1
7	400 kV	PUSAULI -ALLAHABAD	1	59	99	0.0	0.5	-0.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	702	0.0	9.4	-9.4
9	400 kV	PATNA-BALIA	4	0	1216	0.0	19.4	-19.4
10		BIHARSHARIFF-BALIA	2	189	270	0.0	2.7 9.2	-2.7
11	400 kV 400 kV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	0 47	581 390	0.0	3.0	-9.2 -3.0
13	220 kV	PUSAULI-SAHUPURI	ĩ	0	108	0.0	1.2	-1.2
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	11	0	0 ER-NR	0.0	0.0	0.0
Impor	rt/Export of ER (	With WR)			ER-NK	0.3	70.2	-69.9
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1598	217	17.1	0.0	17.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	60	1160	0.0	9,9	-9.9
3	765 kV	JHARSUGUDA-DURG	2	0	464	0.0	4.7	-4.7
4	400 kV		4	31	553	0.0	4.2	-4.2
		JHARSUGUDA-RAIGARH		+				
5	400 kV	RANCHI-SIPAT	2	52	352	0.0	3.0	-3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	163	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	205	0	3.6	0.0	3.6
Inco	rt/Export of ER (	With CD)			ER-WR	20.8	24.0	-3.2
1111POI	HVDC	JEYPORE-GAZUWAKA B/B	,	0	505	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1233	0.0	24.1	-24.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3226	0.0	52.4	-52.4
4	400 kV	TALCHER-I/C	2	1718	0	15.3	0.0	15.3
5		BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
-	.m	OCA NED)			ER-SR	0.0	86.5	-86.5
	rt/Export of ER (			12	250	0.0	1 20	2.0
1	400 kV 400 kV	BINAGURI-BONGAIGAON	2 2	13	270	0.0	2.9	-2.9
3	220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	0 2	326 66	0.0	0.6	-3.1 -0.6
3	ALU RY			. 4	ER-NER	0.0	6.6	-0.6 -6.6
						OIO .		VIV
Impor	rt/Export of WR (							
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2497	0.0	48.1	-48.1
3	HVDC	VINDHYACHAL B/B	2	230	0 251	6.0 0.0	0.0 6.2	6.0 -6.2
4	765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2	0	1988	0.0	26.9	-26.9
5	765 kV	GWALIOR-AGRA GWALIOR-PHAGI	2	0	2037	0.0	26.8	-26.8
6	765 kV	JABALPUR-ORAI	2	0	952	0.0	21.7	-21.7
7		GWALIOR-ORAI	1	810	0	14.8	0.0	14.8
8	765 kV	SATNA-ORAI	1	0	1126	0.0	19.1	-19.1
9	765 kV	BANASKANTHA-CHITORGARH	2	1579	0	21.4	0.0	21.4
10 11	765 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI	2	0	2231	0.0	35.7 0.0	-35.7
12	400 kV	ZERDA-BHINMAL	1	394 471	0	5.7 6.2	0.0	5.7 6.2
13	400 kV	VINDHYACHAL -RIHAND	i	973	0	21.6	0.0	21.6
14	400 kV	RAPP-SHUJALPUR	2	284	341	2.0	1.4	0.7
		BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
15	220 kV					0.1	0.3	-0.2
16	220 kV	BHANPURA-MORAK	1	0	30			
16 17	220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	88	0	0.6	0.0	0.6
16 17 18	220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1	88 77	0 5	0.6 1.2	0.0 0.0	1.2
16 17 18 19	220 kV 220 kV 220 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1 1	88 77 0	0 5 0	0.6 1.2 0.0	0.0 0.0 0.0	1.2 0.0
16 17 18	220 kV 220 kV 220 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1 1 2	88 77	0 5	0.6 1.2 0.0 0.0	0.0 0.0 0.0 0.0	1.2 0.0 0.0
16 17 18 19 20	220 kV 220 kV 220 kV 132 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MMALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	1 1 1 1 2	88 77 0 0	0 5 0 0 WR-NR	0.6 1.2 0.0 0.0 79.6	0.0 0.0 0.0 0.0 186.1	1.2 0.0 0.0 -106.5
16 17 18 19 20 Impor	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B	1 1 1 1 2	88 77 0 0	0 5 0 0 WR-NR	0.6 1.2 0.0 0.0 79.6	0.0 0.0 0.0 0.0 186.1	1.2 0.0 0.0 -106.5
16 17 18 19 20 Impor 1 2	220 kV 220 kV 220 kV 132 kV 132 kV 17t/Export of WR ( HVDC HVDC	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR	1 1 1 1 2	88 77 0 0	0 5 0 WR-NR 1019 3005	0.6 1.2 0.0 0.0 79.6 0.0	0.0 0.0 0.0 0.0 186.1 17.1 30.0	1.2 0.0 0.0 -106.5 -17.1 -30.0
16 17 18 19 20 Impor 1 2 3	220 kV 220 kV 220 kV 132 kV 132 kV 14 kV 15 kV 16 kV 17 kV 17 kV 18 kV 1	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	2	88 77 0 0	0 5 0 0 WR-NR 1019 3005 2066	0.6 1.2 0.0 0.0 79.6 0.0 0.0 2.0	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4
16 17 18 19 20 Impor 1 2 3 4	220 kV 220 kV 220 kV 132 kV 132 kV 14 kV 15 kV 165 kV 165 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	88 77 0 0 0 1121 0	0 5 0 WR-NR 1019 3005 2066 3104	0.6 1.2 0.0 0.0 79.6 0.0 0.0 2.0	0.0 0.0 0.0 0.0 186.1 17.1 30.0	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7
16 17 18 19 20 Impor 1 2 3	220 kV 220 kV 220 kV 132 kV 132 kV 14 kV 15 kV 15 kV 165 kV 165 kV 160 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	2	88 77 0 0	0 5 0 0 WR-NR 1019 3005 2066	0.6 1.2 0.0 0.0 79.6 0.0 0.0 2.0	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4
16 17 18 19 20 Impor 1 2 3 4	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 155 kV 165 kV 165 kV 160 kV 160 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2	88 77 0 0 0 1121 0 1479	0 5 0 0 WR-NR 1019 3005 2066 3104 0	0.6 1.2 0.0 0.0 79.6 0.0 0.0 2.0 0.0 22.3	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 22.3
16 17 18 19 20 Impor 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV 14 kV 15 kV 16 kV 16 kV 16 kV 16 kV 17 kV 18 kV 1	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	88 77 0 0 0 11121 0 1479 0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0	0.6 1.2 0.0 0.0 79.6 0.0 0.0 2.0 0.0 2.0 0.0 2.3 0.0 0.0 1.5	0.0 0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 155 kV 165 kV 16	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2	88 77 0 0 0 0 1121 0 1479 0	0 5 0 WR-NR 1019 3005 2066 3104 0	0.6 1.2 0.0 0.0 79.6 0.0 0.0 2.0 0.0 22.3 0.0	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 22.3 0.0 0.0
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 155 kV 165 kV 16	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA (GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2	88 77 0 0 0 11121 0 1479 0 0 0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0	0.6 1.2 0.0 0.0 79.6 0.0 0.0 2.0 0.0 2.0 0.0 2.3 0.0 0.0 1.5	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve)
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV tt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 TERNATIONAL EX	88   77   0   0   0   1121   0   1479   0   0   0	0 5 0 WR-NR 1019 3305 2066 3104 0 0 0 78 WR-SR	0.6 1.2 0.0 0.0 0.0 79.6 0.0 0.0 2.0 0.0 2.0 0.0 2.3 0.0 2.3 0.0 2.5 2.5.8	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve)
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 155 kV 165 kV 16	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA (GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1 TERNATIONAL EX	88 77 0 0 10 1121 0 1479 0 0 0 0 CHANGES	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0	0.6 1.2 0.0 0.0 79.6 0.0 0.0 2.0 0.0 2.0 0.0 2.3 0.0 0.0 1.5	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0	1.2 0.0 0.0 -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve)
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV tt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHE	88   77   0   0   0   1121   0   1479   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 WR-SR	0.6 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 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 107.2 Import( Avg (MW)	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 22.3 0.0 0.0 0.1 1.5 -81.4 +ve)/Export(-ve) Energy Exchange
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV tt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGBECHH 1,2&3 i.e. ALIPURDU	88   77   0   0   0   11121   0   1479   0   0   0   0   CHANGES   Name	0 5 0 WR-NR 1019 3305 2066 3104 0 0 0 78 WR-SR	0.6 1.2 0.0 0.0 0.0 79.6 0.0 0.0 2.0 0.0 2.0 0.0 2.3 0.0 2.3 0.0 2.5 2.5.8	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 22.3 0.0 0.0 0.0 1.5 -81.4 +ve)/Export(-ve)
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV tt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,283 Le. ALIPURDU MANGDECHH HE7 400kV TALA. BINAGI	88   77   0   0   0   1121   0   1121   0   1479   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 WR-SR	0.6 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 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import Avg (MW)	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 22.3 0.0 0.0 0.1 1.5 -81.4 +ve)/Export(-ve) Energy Exchange
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV tt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88   77   0   0   0   1121   0   1479   0   0   0   0   0   0   0   1479   0   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 WR-SR	0.6 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 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 107.2 Import( Avg (MW)	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 22.3 0.0 0.0 0.1 1.5 -81.4 +ve)/Export(-ve) Energy Exchange
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV tt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line H, 283 i.e. ALIPURBU MANGDECHH HE) 400KY TALA BINAGI MALBASE - BINAGI MALBASE - BINAGI MECEJIPT (from TAL	88   77   0   0   0   1121   0   1121   0   121   121   0   121   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 0 WR-SR	0.6 1.2 0.0 0.0 79.6  0.0 0.0 0.0 0.0 0.0 1.5 25.8  Min (MW)	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import Avg (MW)	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2&3 i.e. ALIPURDU MANGDECHH HEP - 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL ZURV CHUKHA-BIR	88   77   0   0   0   0   1121   0   0   1479   0   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR	0.6 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 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 107.2 Imports Avg (MW)	1.2 0.0 0.0 0.0 -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV tt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line H, 283 i.e. ALIPURBU MANGDECHH HE) 400KY TALA BINAGI MALBASE - BINAGI MALBASE - BINAGI MECEJIPT (from TAL	88   77   0   0   0   0   1121   0   1121   0   121   1479   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 0 WR-SR	0.6 1.2 0.0 0.0 79.6  0.0 0.0 0.0 0.0 0.0 1.5 25.8  Min (MW)	0.0 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import Avg (MW)	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line Line MANGBECHH HEP- 400KY TALA BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 200KY CHUKHA-BIR RECEIPT (from CHU	88   77   0   0   0   0   11121   0   0   1121   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR	0.6 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 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import( Avg (MW) 53	1.2 0.0 0.0 0.0 -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	2 2 2 2 1 1 1 TERNATIONAL EX Line Line MANGBECHH H2-2 400KY MANGBECHH H2-2 400KY TALA BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR MALBASE - BIRPAR	88   77   0   0   0   0   11121   0   0   1121   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR	0.6 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 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 107.2 Imports Avg (MW)	1.2 0.0 0.0 0.0 -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line Line MANGBECHH HEP- 400KY TALA BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 200KY CHUKHA-BIR RECEIPT (from CHU	88   77   0   0   0   0   11121   0   0   1121   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR Max (MW)	0.6 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 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import( Avg (MW) 53	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECHH 1,283 i.e. All PURDU MANGDECHH HEP 400KV TALA.BINAGI MALBASE - BINAGI RECEIPT (from TAL 220KV CHKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR MALBASE - BIRPAR MECEIPT (from CHU 132kV GELEPHU-SA	88   77   0   0   0   0   1121   0   0   1479   0   0   0   0   0   0   0   0   0   0	0 5 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 180 0 0 180 0 0 180 0 0 0 0 0 0	0.6 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 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import( Avg (MW)  53 0	1.2 0.0 0.0 0.0 -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7 -1.1
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line Line MANGBECHH HEP- 400KY TALA BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 200KY CHUKHA-BIR RECEIPT (from CHU	88   77   0   0   0   0   1121   0   0   1479   0   0   0   0   0   0   0   0   0   0	0 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR Max (MW)	0.6 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 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import( Avg (MW) 53	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA (GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHU HEP 1,2&3 i.e. ALIPURBU MANGDECHU HEP 400kV TALA BINAGI MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEIPT (from TAL 220kV CHUKHIA-BIR RECEIPT (from CHU 132kV GELEPHU-SA	88   77   0   0   0   0   11121   0   1479   0   0   0   0   0   0   0   0   0   0	0 5 5 0 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 0 -10 118	0.6 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 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 107.2  Import( Avg (MW)  53  0  -1	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 0.0 -1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7 -1.1 0.0
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECHH 1,283 i.e. All PURDU MANGDECHH HEP 400KV TALA.BINAGI MALBASE - BINAGI RECEIPT (from TAL 220KV CHKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR MALBASE - BIRPAR MECEIPT (from CHU 132kV GELEPHU-SA	88   77   0   0   0   0   11121   0   1479   0   0   0   0   0   0   0   0   0   0	0 5 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 180 0 0 180 0 0 180 0 0 0 0 0 0	0.6 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 0.0 0.0 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import( Avg (MW)  53 0	1.2 0.0 0.0 0.0 -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7 -1.1
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA (GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHE 1,283 i.e. ALIPURDU MANGDECHU HEP, 400kV TALLA-BINAGI MALBASE - BINAGI RECEIPT (from TAL 2,20kV CHURLA-BIR RECEIPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R- 132kV MAHENDRAN	88   77   0   0   0   0   11121   0   1479   0   0   0   0   0   0   0   0   0   0	0 5 5 0 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 0 -10 118	0.6 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 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 107.2  Import( Avg (MW)  53  0  -1	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 0.0 -1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7 -1.1 0.0
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 144 kV 155 kV 155 kV 156 kV 15	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA (GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  ER  ER  ER  ER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHE 1,283 i.e. ALIPURDU MANGDECHU HEP, 400kV TALLA-BINAGI MALBASE - BINAGI RECEIPT (from TAL 2,20kV CHURLA-BIR RECEIPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R- 132kV MAHENDRAN	88	0 5 5 0 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 0 150 0 0 150 0 0 150 0 0 150 0 0 150 0 0 150 0 0 150 0 0 150 0 0 150 0 0 150 0 0 150 0 0 150 0 150 0 0 150	0.6 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 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 107.2  Import( Avg (MW)  53  0  -1	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 0.0 -1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7 -1.1 0.0
16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER  ER  NER NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 4008V MANGDECHH 1,283 i.e. AliPugnu MANGDECHH HEP 4008V TALA-BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 2208V CHUKHA-BIR RECEIPT (from CHU 132kV GELEPHU-SA 132kV MAHENDRAN TANAKPUR(NHPC)	88	0 5 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 1 180 -110 -118 -74	0.6 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 0.0 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2  Import( Avg (MW)  53  0  -1 -3 -63	1.2 0.0 0.0 0.0 1.06.5  -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3  -1.7  -1.1  0.0  -0.1
16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 le, ALIPURDU MANGDECHH HEP- 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGH MALBAS	88   77   77   77   77   77   77   77	0 5 5 0 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 1 180 -118 -74 -119	0.6 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 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import( Avg (MW)  53  0  -1 -3 -63	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve/Export(-ve) Energy Exchange (MU) 1.3 -1.7 -1.1 -0.0 -0.1 -1.5 -0.6
16 17 18 19 20 Impor 1 2 3 4 5 6 7	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER  ER  NER NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 le, ALIPURDU MANGDECHH HEP- 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGH MALBAS	88	0 5 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 1 180 -110 -118 -74	0.6 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 0.0 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2  Import( Avg (MW)  53  0  -1 -3 -63	1.2 0.0 0.0 0.0 1.06.5  -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3  -1.7  -1.1  0.0  -0.1
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 le, ALIPURDU MANGDECHH HEP- 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGH MALBAS	88   77   77   77   77   77   77   77	0 5 5 0 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 1 180 -118 -74 -119	0.6 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 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import( Avg (MW)  53  0  -1 -3 -63	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve/Export(-ve) Energy Exchange (MU) 1.3 -1.7 -1.1 0.0 -0.1 -1.5 -0.6
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400RV MANGDECHE 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400RV TALA-BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132kV GELEPHU-SA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400kV DHALKEBAR	88   77   77   77   77   77   77   77	0 5 5 0 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 1 180 -118 -74 -119	0.6 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 0.0 186.1 17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2 Import( Avg (MW)  53  0  -1 -3 -63	1.2 0.0 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve/Export(-ve) Energy Exchange (MU) 1.3 -1.7 -1.1 0.0 -0.1 -1.5 -0.6
16 17 18 19 20 Impor 1 2 3 4 5 6	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER  ER  NER  NER  NER  NER  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400RV MANGDECHE 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400RV TALA-BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132kV GELEPHU-SA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400kV DHALKEBAR	88   77   0   0   0   0   0   11121   0   0   0   1121   0   0   0   0   0   0   0   0   0	0 5 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 0 78 WR-SR 180 0 0 0 1 10 -18 -119 -310	0.6 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 0.0 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2  Import( Avg (MW)  53  0  -1  -3  -63	1.2 0.0 0.0 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 -0.0 -1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7 -1.1 -0.0 -0.1 -1.5 -0.6 -4.9
16 17 18 18 19 20 1 1 2 3 3 4 4 5 6 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV 14VExport of WR ( HVDC 765 kV 400 kV 220 kV 220 kV EVEXPORT of WR ( HVDC NOTE:	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  NER  NER  NER  NER  NER  NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400RV MANGDECHE 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400RV TALA-BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132kV GELEPHU-SA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400kV DHALKEBAR	88	0 5 5 0 0 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 1 180 -118 -74 -119 -310 -669	0.6 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 0.0 0.0 0.0 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2  Imports  Avg (MW)  53  0  -1 -3 -63 -24 -204	1.2 0.0 0.0 0.0 -106.5 -106.5 -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve/Export(-ve) Energy Exchange (MII) -1.7 -1.1 -0.0 -0.1 -1.5 -0.6 -4.9
16 17 18 18 19 20 1 1 2 3 3 4 4 5 6 6 7 8	220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER  ER  NER  NER  NER  NER  ER	2 2 2 2 1 1 1 TERNATIONAL EX Line A00kV MANGDECHH 1,2&3 i.e. ALIPURBU MANGDECHH HEP- 400kV TALA BINAGI MALBASE - BINAGU MALBA	88	0 5 5 0 0 WR-NR 1019 3005 2066 3104 0 0 0 0 78 WR-SR 180 0 0 0 1 10 -18 -119 -310	0.6 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 0.0 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2  Import( Avg (MW)  53  0  -1  -3  -63	1.2 0.0 0.0 0.0 -106.5  -17.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve)/Export(-ve) Energy Exchange (MII) 1.3 -1.7 -1.1 0.0 -0.1 -1.5 -0.6
16 17 18 19 20 Impor 1 1 2 3 4 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV 14VExport of WR ( HVDC 765 kV 400 kV 220 kV 220 kV EVEXPORT of WR ( HVDC NOTE:	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  NER  NER  NER  NER  NER  NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 4006V MANGDECHE 1,283 1e. ALIPURDU MANGDECHU HEP. 4006V TALA.BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132kV GELEPHU-SA 132kV MOTANGA-R. 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400kV DHALKEBAR- BHERAMARA B/B H 132kV COMILLA-SU	88	0 5 5 0 0 0 0 WR-NR 1019 3005 2066 3104 0 0 0 78 WR-SR 180 0 0 1 180 -118 -74 -119 -310 -669	0.6 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 0.0 0.0 0.0 0.0 0.0 186.1  17.1 30.0 19.3 40.7 0.0 0.0 0.0 107.2  Imports  Avg (MW)  53  0  -1 -3 -63 -24 -204	1.2 0.0 0.0 0.0 -106.5 -117.1 -30.0 -17.4 -40.7 -22.3 0.0 0.0 1.5 -81.4 +ve/Export(-ve) Energy Exchange (MU) 1.3 -1.7 -1.1 0.0 -0.1 -1.5 -0.6 -4.9