

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPËRATION 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, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

दिनांक: 31thJan 2021

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 30.01.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-जनवरी -2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 30thJanuary 2021, 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: 31-Jan-2021

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	52180	52400	44644	19255	2497	170976
Peak Shortage (MW)	1225	293	0	209	36	1763
Energy Met (MU)	1078	1249	1049	394	43	3813
Hydro Gen (MU)	98	41	80	35	11	265
Wind Gen (MU)	3	48	34	-	-	85
Solar Gen (MU)*	42.34	36.46	97.83	4.62	0.17	181
Energy Shortage (MU)	13.75	3.00	0.00	0.63	0.64	18.02
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56910	61580	52647	19488	2516	189644
Time Of Maximum Demand Met (From NLDC SCADA)	10:28	10:41	09:49	18:14	18:02	10:39

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.038	0.00	0.61	3.88	4.49	73.87	21.64

India	0.050	0100	0.01	3.00		70.07	21.0.	
Power Sup	oply Position in States							
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shorta
		day(MW)	Demand(MW)	(MO)	(MU)	(MIC)	(IVI VV)	(MU
	Punjab	6860	0	140.6	52.7	-0.7	113	0.65
	Haryana	7154	0	142.7	85.3	1.1	238	0.00
	Rajasthan	14012	0	268.4	94.1	2.8	468	0.48
	Delhi	4344	0	71.6	59.7	0.0	254	0.00
NR	UP	18995	0	318.9	102.0	0.0	516	0.00
	Uttarakhand	2341	0	42.8	27.0	1.3	202	0.2
	HP	1888	0	33.3	28.1	0.2	208	0.0
	J&K(UT) & Ladakh(UT)	2691	600	55.5	49.5	1.0	207	12.4
	Chandigarh	242	0	3.9	3.8	0.1	19	0.0
	Chhattisgarh	3923	0	84.2	48.7	0.0	418	3.0
	Gujarat	16504	0	346.5	98.7	1.8	605	0.0
	MP	14953	Ö	288.7	170.3	0.2	440	0.0
WR	Maharashtra	23577	0	475.4	137.2	-3.4	496	0.0
	Goa	495	Ö	10.2	9,9	-0.1	57	0.0
	DD	336	0	7.6	7.3	0.3	25	0.0
	DNH	844	Ö	19.6	19.4	0.2	41	0.0
	AMNSIL	778	0	16.6	6.2	0.2	289	0.0
	Andhra Pradesh	9442	0	188.1	87.3	0.7	386	0.0
	Telangana	13252	0	251.9	126.5	0.0	1062	0.0
SR	Karnataka	12474	0	235.7	86.7	-0.3	513	0.0
SIC.	Kerala	3649	0	72.7	46.0	0.4	235	0.0
	Tamil Nadu	13963	0	292.9	173.7	-0.7	425	0.0
	Puducherry	372	0	7.6	7.8	-0.7	19	0.0
	Bihar	5066	0	92.6	81.6	0.2	385	0.0
	DVC	3123	0	68.6	-51.4	0.2	362	0.0
	Jharkhand	1427	0	26.1	18.0	-0.6	123	0.6
ER	Odisha	3971	0	75.2	-2.4	-0.5	408	0.0
EK	West Bengal	6808	0	130.1	15.9	0.0	385	0.0
	Sikkim	130	0	1.8	1.9	-0.1	20	0.0
	Arunachal Pradesh	130	2	2.3	2.5	-0.1	16	0.0
		1440	13	24.0	19.0	0.0	80	0.6
	Assam Manipur	223	3	3.0	3.2	-0.2	22	0.0
NED								
NER	Meghalaya	377	0	6.4	4.6	-0.3	45	0.0
	Mizoram	117	4	1.7	1.6	-0.3	21	0.0
	Nagaland	125	2	2.0	2.0	-0.1	20	0.01
	Tripura	221	3	3.6	2.5	-0.3	29	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	4.4	-13.6	-19.0
Day Peak (MW)	299.0	-660.7	-1026.0

E. In	nnort/Export	by Region	s (in MII)	- Import(+v	e)/Export(-ve)	: OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	250.9	-273.4	146.8	-124.6	0.2	0.0
Actual(MU)	249.8	-281.6	147.0	-122.9	-1.9	-9.5
O/D/U/D(MU)	-1.1	-8.2	0.2	1.7	-2.1	-9.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5874	14163	6442	2355	569	29402	44
State Sector	9160	14420	8737	4362	11	36690	56
Total	15034	28583	15179	6717	580	66092	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	620	1353	564	509	8	3053	78
Lignite	24	9	36	0	0	68	2
Hydro	98	41	80	35	11	265	7
Nuclear	18	16	43	0	0	77	2
Gas, Naptha & Diesel	22	32	13	0	30	97	2
RES (Wind, Solar, Biomass & Others)	73	86	170	5	0	333	9
Total	854	1537	905	548	49	3894	100
Share of RES in total generation (%)	8.52	5.56	18.77	0.84	0.35	8.55	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	22.10	9.29	32.34	7.23	22.71	17.34	

H. A	All	India	Demand	Diversity	Factor

Based on Regional Max Demands	1.019
Based on State Max Demands	1.035

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: 31-Jan-2021

						Date of Reporting:	31-Jan-2021
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (1		F ,	F	
1 HVDC	ALIPURDUAR-AGRA	_2	0	0	0.0	0.0	0.0
2 HVDC	PUSAULI B/B		Ü	251	0.0	6.2	-6.2
3 765 kV	GAYA-VARANASI	2	0	819	0.0	11.1	-11.1
4 765 kV 5 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	0	277 630	0.0	3.7 8.7	-3.7 -8.7
6 400 kV	PUSAULI-VARANASI	1	0	233	0.0	4.9	-4.9
7 400 kV	PUSAULI -ALLAHABAD	i	Ü	96	0.0	1.5	-1.5
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	790	0.0	10.1	-10.1
9 400 kV 10 400 kV	PATNA-BALIA	4	0	1194	0.0	16.8	-16.8
10 400 kV 11 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	539 337	0.0	6.3 6.4	-6.3 -6.4
12 400 kV	BIHARSHARIFF-VARANASI	2	164	191	0.0	0.5	-0.5
13 220 kV	PUSAULI-SAHUPURI	1	0	101	0.0	1.6	-1.6
14 132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15 132 kV	GARWAH-RIHAND	1	20	0	0.7	0.0	0.7
16 132 kV 17 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
17 132 kV	KARMANASA-CHANDAULI		U	ER-NR	0.0 0.7	0.0 77.8	0.0 -77.1
Import/Export of ER (With WR)			221 1111	U./	//.0	-//.1
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	842	0	9.9	0.0	9.9
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	714	364	5.1	0.0	5.1
3 765 kV	JHARSUGUDA-DURG	2	78	255	0.0	2.7	-2.7
4 400 kV	JHARSUGUDA-RAIGARH	4	115	515	0.0	2.6	-2.6
5 400 kV	RANCHI-SIPAT	2	193	175	0.7	0.0	0.7
6 220 kV	BUDHIPADAR-RAIGARH	1	0	1	0.0	0.0	0.0
7 220 kV	BUDHIPADAR-KAIGAKII BUDHIPADAR-KORBA	2	71	47	0.8	0.0	0.8
/ 220 KV	DODINI ADAR-KORDA	. 4	/1	ER-WR	16.5	5.3	11.2
Import/Export of ER (With SR)			12K-14K	10.0		11.4
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	533	0.0	12.4	-12.4
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	2470	0.0	43.7	-43.7
3 765 kV	ANGUL-SRIKAKULAM	2	0	3028	0.0	52.3	-52.3
4 400 kV	TALCHER-I/C	2	0	1159 0	0.0	10.2 0.0	-10.2 0.0
5 220 kV	BALIMELA-UPPER-SILERRU		1 1	ER-SR	0.0	108.4	-108.4
Import/Export of ER (With NER)			ER-3K	V.U	. 100.4	-100.4
1 400 kV	BINAGURI-BONGAIGAON	2	254	0	3.3	0.0	3.3
2 400 kV	ALIPURDUAR-BONGAIGAON	2	465	0	6.5	0.0	6.5
3 220 kV	ALIPURDUAR-SALAKATI		65	11	1.0	0.0	1.0
Import/Export of NER	(With ND)			ER-NER	10.8	0.0	10.8
	BISWANATH CHARIALI-AGRA	2	488	0	11.5	0.0	11.5
		. 4	700	NER-NR	11.5	0.0	11.5
Import/Export of WR	(With NR)				1112	0.0	1110
1 HVDC	CHAMPA-KURUKSHETRA	2	0	1503	0.0	40.0	-40.0
2 HVDC	VINDHYACHAL B/B		241	251	1.7	0.0	1.7
3 HVDC	MUNDRA-MOHINDERGARH	2	0	1924	0.0	42.9	-42.9
4 765 kV 5 765 kV	GWALIOR-AGRA PHAGI-GWALIOR	2 2	0	2915 1484	0.0	43.2 23.3	-43.2 -23.3
6 765 kV	JABALPUR-ORAI	2	0	1181	0.0	25.5 35.2	-23.3 -35.2
7 765 kV	GWALIOR-ORAI	ĩ	680	0	12.7	0.0	12.7
8 765 kV	SATNA-ORAI	1	0	1454	0.0	27.4	-27.4
9 765 kV	CHITORGARH-BANASKANTHA	2	648	672	2.4	3.8	-1.5
10 400 kV	ZERDA-KANKROLI	1	143	113	0.4	0.0	0.4
11 400 kV	ZERDA -BHINMAL	1	31	368	0.0	3.7	-3.7
1 1 7 1 400 kV		1 1		0	11 2		
12 400 kV 13 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	495	0 576	11.2 0.0	0.0 5.1	11.2 -5.1
12 400 kV 13 400 kV 14 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	1 2 1		0 576 160	0.0 0.0	5.1 0.0	-5.1 0.0
13 400 kV 14 220 kV 15 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	1 2 1 1	3 0 0	576 160 30	0.0 0.0 0.0	5.1 0.0 0.0	-5.1 0.0 0.0
13 400 kV 14 220 kV 15 220 kV 16 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 2 1 1	3 0 0 129	576 160 30 0	0.0 0.0 0.0 1.7	5.1 0.0 0.0 1.8	-5.1 0.0 0.0 -0.1
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	2 1 1 1 1	3 0 0 129 77	576 160 30 0	0.0 0.0 0.0 1.7 1.4	5.1 0.0 0.0 1.8 0.0	-5.1 0.0 0.0 -0.1 1.4
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 2 1 1 1 1 1 2	3 0 0 129 77	576 160 30 0 23	0.0 0.0 0.0 1.7 1.4 0.0	5.1 0.0 0.0 1.8 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	2 1 1 1 1	3 0 0 129 77	576 160 30 0 23 0	0.0 0.0 0.0 1.7 1.4 0.0 0.0	5.1 0.0 0.0 1.8 0.0 0.0 0.8	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	2 1 1 1 1	3 0 129 77 0	576 160 30 0 23	0.0 0.0 0.0 1.7 1.4 0.0	5.1 0.0 0.0 1.8 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B	2 1 1 1 1 1 2	3 0 0 129 77 0 0	576 160 30 0 23 0 WR-NR	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARB-PUGALUR	2 1 1 1 1 1 2	3 0 0 129 77 0 0 496 483	576 160 30 0 23 0 WR-NR	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	2 1 1 1 1 1 1 2	3 0 0 129 77 0 0 0	576 160 30 0 23 0 WR-NR	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5	5.1 0.0 0.0 1.8 0.0 0.0 0.0 0.8 227.1	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 1 1 1 1 1 1 1 2	3 0 0 129 77 0 0 496 483 433 0	576 160 30 0 23 0 WR-NR 1009 1499 2273 3282	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 50.9	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 1 1 1 2	3 0 0 129 77 0 0 0	576 160 30 0 23 0 0 WR-NR 1009 1499 12273 3282 0	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 6.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 6 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 1 2 2	3 0 0 129 77 0 0 0 496 483 433 0 1480	576 160 30 0 23 0 WR-NR 1009 1499 2273 3282	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 50.9	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9
13 440 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 17 220 kV 19 132 kV 19 132 kV 1 HVDC 2 HVDC 3 765 kV 5 440 6kV 5 420 kV 6 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GVALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGAHP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI	2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2	3 0 0 0 129 77 0 0 0 496 483 433 0 1480 0	576 160 30 0 23 0 WR-NR 1009 1499 2273 3282 0 0	0.0 0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 -0.0
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 6 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1	3 0 0 129 77 0 0 496 483 433 0 0 1480 0	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR	0.0 0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 50.9 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 6 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1	3 0 0 129 77 0 0 496 483 433 0 1480 0	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR	0.0 0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 50.9 0.0 0.0 0.0 0.0 9.5	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV	RAPP-SHUJALPUR 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 XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	3 0 0 129 77 0 0 496 483 433 433 0 1480 0 1 1	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 50.9 0.0 0.0 0.0 0.0 9.5	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 6 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 INTER	3 0 0 129 77 0 0 496 483 433 0 1480 0 0 ENATIONAL EXCHA	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR	0.0 0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV	RAPP-SHUJALPUR 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	2 11 11 11 12 2 2 2 2 2 2 2 2 2 1 1 INTER Line 400kV MANGDECHI	3 0 0 129 77 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	576 160 30 0 0 23 0 WR-NR 1009 1499 2273 3282 0 0 WR-NR	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.8 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5 -73.5
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV	RAPP-SHUJALPUR 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 XELDEM-AMBEWADI	2 11 11 11 12 2 2 2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGGECHH Le. ALIPURDUAR RI MANGGECH HEP	3 0 0 129 77 0 129 77 0 0 496 483 433 0 1480 0 1 1 0 ENATIONAL EXCHA Name IU-ALIPURDUAR I&2 SCEIPT (from	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 50.9 0.0 0.0 0.0 0.0 9.5	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI Region ER	2 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Lic. ALIPURDUCH H MANGDECHU HEP MONK TALA.BINAG	3 0 0 129 77 0 0 496 483 483 433 0 1480 0 11 0 ENATIONAL EXCHA Name IU-ALIPURDUAR 1&2 CEIPT (from 4*180MW) URI 1,24 (& 400kV	576 160 30 0 30 0 WR-NR 1009 WR-NR 1009 2273 3282 0 0 WR-SR Max (MW)	0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 4.0 0.0 0.8 227.1	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5 -73.5
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV	RAPP-SHUJALPUR 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	2 11 11 11 12 2 2 2 2 2 2 2 2 2 11 11 INTER Line 400kV MANGBECHI Le. ALIPURDUAR RI MANGBECHI HEP 400kV TALA-BINAG	3 0 0 0 129 129 177 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	576 160 30 0 0 23 0 WR-NR 1009 1499 2273 3282 0 0 WR-NR	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.8 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5 -73.5
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI Region ER	2 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 1 1 1 1	3 0 0 129 77 0 0 129 77 0 0 496 483 483 433 0 1489 0 11 0 ENATIONAL EXCHA Name 4180MW) URI L2,4 (& 400kV URI) Le, BINAGURI A HEP (6°110MW)	576 160 30 0 30 0 WR-NR 1009 WR-NR 1009 2273 3282 0 0 WR-SR Max (MW)	0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 4.0 0.0 0.8 227.1	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0 0.8 -73.5 -73.5
13 400 kV 14 220 kV 15 220 kV 16 220 kV 17 220 kV 18 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV 4 765 kV 6 220 kV 8 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI Region ER	2 11 11 11 12 2 2 2 2 2 2 2 2 2 11 11 INTER Line 400kV MANGBECHI Le. ALIPURDUAR RI MANGBECHI HEP 400kV TALA-BINAG	3 0 0 0 129 129 177 17 10 0 0 1 129 177 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	576 160 30 0 30 0 WR-NR 1009 WR-NR 1009 2273 3282 0 0 WR-SR Max (MW)	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.8 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0 0.8 -73.5 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER	1	3 0 0 129 77 0 0 129 77 0 0 496 483 483 433 0 1480 0 1480 1 1 0 ENATIONAL EXCHA Name 4180MW) URI 1,2,4 (& 400kV IRI) i.e. BINAGURI A HEP (6+10MW) PARA I & 2 (& 220kV	576 160 30 0 0 23 0 WR-NR 1009 1499 2273 3282 0 0 WR-SR NGES Max (MW) 108	0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 4.0 0.0 0.8 227.1	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5 -73.5 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 1 1 1 1 2 2 2 2 2 2 2 1 1 2	3 0 0 129 77 0 0 129 77 0 0 496 483 483 433 0 1480 0 1480 1 1 0 ENATIONAL EXCHA Name 4180MW) URI 1,2,4 (4 400kV IRI 1,6,4 (4 00kV IRI 1,6,	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 WR-SR MGES Max (MW) 108	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 24.0 50.9 0.0 0.0 0.0 0.0 4.0 0.0 0.0 0.8 227.1 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0 0.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER	2 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 1 1 1 1	3 0 0 129 77 0 0 129 77 0 0 496 483 483 433 0 1480 0 1480 1 1 0 ENATIONAL EXCHA Name 4180MW) URI 1,2,4 (4 400kV IRI 1,6,4 (4 00kV IRI 1,6,	576 160 30 0 0 23 0 WR-NR 1009 1499 2273 3282 0 0 WR-SR NGES Max (MW) 108	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.8 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.5 -24.0 -50.9 19.9 0.0 0.0 0.8 -73.5 -73.5 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 1 1 1 1 2 2 2 2 2 2 2 1 1 2	3 0 0 129 77 0 0 129 77 0 0 496 483 483 433 0 1480 0 1480 1 1 0 ENATIONAL EXCHA Name 4180MW) URI 1,2,4 (4 400kV IRI 1,6,4 (4 00kV IRI 1,6,	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 WR-SR MGES Max (MW) 108	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 24.0 50.9 0.0 0.0 0.0 0.0 4.0 0.0 0.0 0.8 227.1 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0 0.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBEWADI XELDEM-AMBEWADI Region ER ER	2 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 1 1 1 1 2 2 2 2 2 2 2 1 1 2	3 0 0 129 177 0 177 0 0 496 483 483 433 0 1480 0 1 1480 0 ENATIONAL EXCHA Name 4U-ALIPURDUAR I&2 SCEIPT (from 4*180MW) URI 12,4 (& 400MV) RIM 1,6 EN BINAGURI A HEP (6*170MW) PJARA 182 (& 220MV LA) Le BIRPARA KKHA HEP 4*84MW) J - SALAKATI	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 WR-SR MGES Max (MW) 108	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 24.0 50.9 0.0 0.0 0.0 0.0 4.0 0.0 0.0 0.8 227.1 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 0.0 0.0 -0.1 1.4 0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 19.9 0.0 0.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER	1	3 0 0 129 177 0 177 0 0 496 483 483 433 0 1480 0 1 1480 0 ENATIONAL EXCHA Name 4U-ALIPURDUAR I&2 SCEIPT (from 4*180MW) URI 12,4 (& 400MV) RIM 1,6 EN BINAGURI A HEP (6*170MW) PJARA 182 (& 220MV LA) Le BIRPARA KKHA HEP 4*84MW) J - SALAKATI	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR NGES Max (MW) 108 112 21	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.8 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-BURAIYA MAJAHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER NER	2 11 11 11 12 2 2 2 2 2 2 2 2 2 2 11 11	3 0 0 10 129 77 0 0 496 483 483 433 0 1480 0 1480 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 WR-SR WR-SR 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1112 108	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 -0.0 -0.1 -1.4 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 -19.9 -0.0 -0.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER	2 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 1 2 2 1 1 1 1 1 1 1 2 2 2 2 1	3 0 0 10 129 77 0 0 496 483 483 433 0 1480 0 1480 0 0 NATIONAL EXCHA Name HU-ALIPURDUAR 182 SCEIPT (from 4495MW) URI 12,4 (8, 400K) URI 12,4 (8, 4	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR NGES Max (MW) 108 112 21	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.8 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-BURAIYA MAJAHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER NER	2 11 11 11 12 2 2 2 2 2 2 2 2 2 2 11 11	3 0 0 10 129 77 0 0 1496 483 483 433 0 1480 0 1480 0 1480 NATIONAL EXCHA Name HU-ALIPURDUAR 182 CCEIPT (from 449180MW) URI 12,4 (& 4000K) URI 12,4 (& 400K) URI 12,4 (& 400K) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) ALIPURDUAR	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 WR-SR WR-SR 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1112 108	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 -0.0 -0.1 -1.4 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 -19.9 -0.0 -0.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-BURAIYA MAJAHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER NER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 1 2 2 2 1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 2 1	3 0 0 10 129 77 0 0 1496 483 483 433 0 1480 0 1480 0 1480 NATIONAL EXCHA Name HU-ALIPURDUAR 182 CCEIPT (from 449180MW) URI 12,4 (& 4000K) URI 12,4 (& 400K) URI 12,4 (& 400K) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) URI 12,4 (& 400K) ALIPURDUAR 182 CEIPT (from 4180MW) ALIPURDUAR	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 WR-SR WR-SR 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1499 2273 3282 100 1009 1112 108	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 -0.0 -0.1 -1.4 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 -19.9 -0.0 -0.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR 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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER NER NER	2 11 11 11 12 2 2 2 2 2 2 2 2 2 2 11 11	3 0 0 10 129 77 0 0 1496 483 483 433 0 1480 0 1480 0 1480 NATIONAL EXCHA Name HU-ALIPURDUAR 182 CCEIPT (from 449180MW) URI 12,4 (& 4000K) URI 12,4 (& 400K) URI 12,4 (& 400K) URI 12,4 (& 400K) A 180 (& 100K) URI 12,4 (& 400K) A 180 (& 100K) A 180	576 160 30 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR 1009 1499 22773 3282 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.9 0.0 0.0 0.0 0.0 18 20.7	5.1 0.0 0.0 1.8 0.0 0.0 1.8 0.0 0.8 227.1 9.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 94.2 Avg (MW) 103 90 25 13	-5.1 0.0 0.0 0.0 -0.1 1.4 0.0 0.0 -0.8 -195.6 -9.5 -24.0 -9.5 -24.0 0.0 0.0 0.8 -73.5 Energy Exchange (MII) 2.5 2.2 -0.2 0.6
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MAJAHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP 400kV TALABINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BINAGI LizkV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-MUZAFFARF DC MAHENDRANAGAR 400KV-MUZAFFARF DC	3 0 0 129 77 0 0 129 77 0 0 496 483 483 433 0 1480 0 1480 0 1480 0 11 0 ENATIONAL EXCHA Name 4180AUW) EXCEPT (from 42180AUW) URI 1,2,4 (4 4 4 4 4 6 0 A W) URI 1,2,4 (4 2 2 2 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR Max (MW) 108 112 21 38 19 -81	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 -0.0 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 -9.8 -9.5 -24.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -
13	RAPP-SHUJALPUR BHANPURA-RANPUR 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-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER NER NER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 1 2 2 2 1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 2 1	3 0 0 129 77 0 0 129 77 0 0 496 483 483 433 0 1480 0 1480 0 1480 0 11 0 ENATIONAL EXCHA Name 4180AUW) EXCEPT (from 42180AUW) URI 1,2,4 (4 4 4 4 4 6 0 A W) URI 1,2,4 (4 2 2 2 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4	576 160 30 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR 1009 1499 22773 3282 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 0.0 1.7 1.4 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.9 0.0 0.0 0.0 0.0 18 20.7	5.1 0.0 0.0 1.8 0.0 0.0 1.8 0.0 0.8 227.1 9.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 94.2 Avg (MW) 103 90 25 13	-5.1 0.0 0.0 0.0 -0.1 1.4 0.0 0.0 -0.8 -195.6 -9.5 -24.0 -9.5 -24.0 0.0 0.0 0.8 -73.5 Energy Exchange (MII) 2.5 2.2 -0.2 0.6
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MAJAHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP 400kV TALABINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BINAGI LizkV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-MUZAFFARF DC MAHENDRANAGAR 400KV-MUZAFFARF DC	3 0 0 129 77 0 0 129 77 0 0 496 483 483 433 0 1480 0 1480 0 1480 0 11 0 ENATIONAL EXCHA Name 4180AUW) EXCEPT (from 42180AUW) URI 1,2,4 (4 4 4 4 4 6 0 A W) URI 1,2,4 (4 2 2 2 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4 4 4 6 A W) URI 1,2,4 (4 4	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR Max (MW) 108 112 21 38 19 -81	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 -0.0 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 -9.8 -9.5 -24.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MAJAHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHI HEP 400kV TALABINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BINAGI LizkV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-MUZAFFARF DC MAHENDRANAGAR 400KV-MUZAFFARF DC	3 0 0 129 177 77 0 0 177 0 0 496 483 433 0 1480 0 1480 0 ENATIONAL EXCHA Name 41-ALIPURDUAR 1&2 CCEIPT (from 44180MW) URI 1,2,4 (& 400kV RIL) is BINAGURI A HEP (6*170MW) PPARA 1&2 (& 220kV A) i.e. BINAGURI KHA HEP 4*94MW) J - SALAKATI iia	576 160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR Max (MW) 108 112 21 38 19 -81	0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.1 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-5.1 -0.0 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -50.9 -9.8 -9.5 -24.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER NER NER NER NER NER	2 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 2	3 0 0 129 177 77 0 0 177 0 0 496 483 433 0 1480 0 1480 0 ENATIONAL EXCHA Name 41-ALIPURDUAR I&2 CCEIPT (from 44180MW) URI 1,2,4 (& 400kV RIL) is BINAGURI A HEP (6*170MW) PPARA I&2 (& 220kV A) i.e. BINAGURI KHA HEP 4*94MW) J - SALAKATI iia	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR 1009 1499 22773 3282 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 19.9 0.0 0.0 19.9 0.0 0.0 19.9 18 20.7	5.1 0.0 0.0 1.8 0.0 1.8 0.0 0.0 0.8 227.1 9.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 94.2 Avg (MW) 103 90 25 13 -72 -269	-5.1 0.0 0.0 0.0 0.0 -0.1 1.4 0.0 0.0 -0.8 -195.6 -2.4 0.0 0.0 0.0 0.0 0.8 -73.5 Energy Exchange (MII) 2.5 2.2 0.6 0.3 -1.7 -6.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MAJAHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER NER NER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 2 2	3 0 0 10 129 77 0 177 0 0 496 483 483 433 0 1480 0 1480 0 1180 0	160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 0 43 WR-SR NGES Max (MW) 108 112 21 38 19 -81 -275 -305	0.0 0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.9 0.0 0.0 0.0 19.9 18 20.7 18 2	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 94.2 Avg (MW) 103 90 25 13 -72 -269 -225	-5.1 -0.0 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -5.0 -9.8 -9.5 -24.0 -5.0 -9.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER NER NER NER NER NER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 1	3 0 0 10 129 77 0 177 0 0 496 483 483 433 0 1480 0 1480 0 1180 0	576 160 30 0 0 23 0 0 WR-NR 1009 1499 2273 3282 0 0 0 WR-SR 1009 1499 22773 3282 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 19.9 0.0 0.0 19.9 0.0 0.0 19.9 18 20.7	5.1 0.0 0.0 1.8 0.0 1.8 0.0 0.0 0.8 227.1 9.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 94.2 Avg (MW) 103 90 25 13 -72 -269	-5.1 -0.0 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.5 -24.0 -9.5 -24.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MAJAHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER NER NER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 2 2	3 0 0 10 129 77 0 129 77 0 0 496 483 483 433 0 1480 0 1480 0 1180 0 ENATIONAL EXCHA Name HU-ALIPURDUAR I&2 SCEIPT (from 49180MW) URI 12,4 (& 400MV) URI 12,4 (& 400MV	160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 0 43 WR-SR NGES Max (MW) 108 112 21 38 19 -81 -275 -305	0.0 0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.9 0.0 0.0 0.0 19.9 18 20.7 18 2	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 94.2 Avg (MW) 103 90 25 13 -72 -269 -225	-5.1 -0.0 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -5.0 -9.8 -9.5 -24.0 -5.0 -9.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MAJAHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER NER NER	2 1 1 1 1 1 1 1 2 1 1 1 1 2 2 2 2 2 2 2	3 0 0 10 129 177 0 179 0 0 189 189 189 189 189 189 189 189 189 189	160 30 0 30 0 WR-NR 1009 1499 2273 3282 0 0 0 43 WR-SR NGES Max (MW) 108 112 21 38 19 -81 -275 -305	0.0 0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.9 0.0 0.0 0.0 19.9 18 20.7 18 2	5.1 0.0 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 94.2 Avg (MW) 103 90 25 13 -72 -269 -225	-5.1 -0.0 -0.0 -0.1 -1.4 -0.0 -0.8 -195.6 -9.8 -9.5 -24.0 -5.0 -9.8 -9.5 -24.0 -5.0 -9.8 -73.5
13	RAPP-SHUJALPUR BHANPURA-RANPUR 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 REGION ER ER ER NER NER NER NER ER	2 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 2 2	3 0 0 10 129 177 0 179 0 0 189 189 189 189 189 189 189 189 189 189	576 160 30 0 0 0 0 0 WR-NR 1009 1499 2273 3282 0 0 0 0 WR-SR 1009 1499 22773 3282 10 10 10 10 10 10 10 10 10 10 10 11 10 10	0.0 0.0 0.0 0.0 1.7 1.4 0.0 0.0 31.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.9 0.0 0.0 0.0 19.9 18 20.7	5.1 0.0 0.0 1.8 0.0 1.8 0.0 0.0 1.8 0.0 0.0 0.8 227.1 9.8 9.5 24.0 0.0 0.0 0.0 0.0 0.0 0.0 94.2 Avg (MW) 103 90 25 13 -72 -269 -225 -705	-5.1 0.0 0.0 0.0 0.0 -0.1 1.4 0.0 0.0 -0.8 -195.6 -2.4.0 -9.8 -9.5 -2.4.0 -9.0 0.0 0.0 0.8 -73.5 Energy Exchange (MII) 2.5 2.2 -0.2 -0.6 -0.3 -1.7 -6.5 -5.4 -16.9 -1.1