

## 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: 4<sup>th</sup> Nov 2020

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 03.11.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-नवंबर-2020 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 3<sup>rd</sup> November 2020, is available at the NLDC website.

धन्यवाद.

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



Date of Reporting: Report for previous day A. Power Supply Position at All India and Regional level 04-Nov-2020 NR 45014 WR TOTAL SR ER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 50605 41232 19481 Peak Shortage (MW) 80 54 121 255 Energy Met (MU) Hydro Gen (MU) 924 1185 940 397 49 3496 77 118 133 371 26 46 16 Wind Gen (MU) Solar Gen (MU)\* 15 37.18 22 94.47 4.68 0.06 166 29.40 0.0 Souar Gen (MU)<sup>2</sup>
Energy Shortage (MU)
Maximum Demand Met During the Day (MW) (From NLDC SCADA)
Time Of Maximum Demand Met (From NLDC SCADA) 0.0 0.2 19812 2.2 2785 3.1 160779 44900 46112 52992 09:41 10:39 18:00 18:08 B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 17.94 0.020

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		day(MW)	Demand(MW)	(MU)	(MU)	(IVIU)	(MW)	(MU)
	Punjab	5312	0	107.4	88.6	-1.0	105	0.0
	Haryana	5923	0	124.6	113.3	0.3	113	0.0
	Rajasthan	12793	0	246.6	86.0	2.2	520	0.0
	Delhi	3422	0	64.7	47.2	0.1	219	0.0
NR	UP	14632	0	270.0	109.2	-1.1	356	0.6
	Uttarakhand	1801	0	35.9	25.9	1.4	172	0.2
	HP	1545	0	29.3	21.0	-0.4	71	0.0
	J&K(UT) & Ladakh(UT)	2460	0	42.9	38.3	-2.6	226	0.0
	Chandigarh	170	0	3.0	3.1	0.0	27	0.0
	Chhattisgarh	3495	0	75.1	27.8	-0.9	215	0.0
	Gujarat	16090	0	352.4	53.3	2.5	468	0.0
	MP	13398	0	268.4	163.7	-0.7	531	0.0
WR	Maharashtra	20224	0	436.6	139.1	-1.2	543	0.0
	Goa	496	0	10.3	9.8	-0.1	61	0.0
	DD	345	0	7.6	7.3	0.3	27	0.0
	DNH	798	0	18.3	18.3	0.1	42	0.0
	AMNSIL	759	0	16.2	1.5	0.5	256	0.0
	Andhra Pradesh	9490	0	190.9	88.8	0.6	975	0.0
	Telangana	7324	0	153.1	41.1	-0.3	422	0.0
SR	Karnataka	9841	0	187.2	57.0	2.1	820	0.0
	Kerala	3579	0	73.1	48.7	1.1	250	0.0
	Tamil Nadu	15281	0	328.4	202.0	0.1	578	0.0
	Puducherry	387	0	7.8	8.1	-0.3	33	0.0
	Bihar	4229	0	74.2	76.2	-2.5	522	0.0
	DVC	3199	0	64.1	-36.5	-0.7	622	0.0
	Jharkhand	1356	0	25.6	18.5	-1.5	118	0.2
ER	Odisha	4452	0	89.1	12.3	1.0	304	0.0
	West Bengal	7269	0	142.9	44.6	0.3	374	0.0
	Sikkim	106	0	1.4	1.3	0.1	49	0.0
	Arunachal Pradesh	123	2	2.0	1.9	0.1	31	0.0
	Assam	1702	80	29.4	26.2	0.0	115	2.1
	Manipur	206	3	2.8	2.5	0.3	35	0.0
NER	Meghalaya	339	0	6.1	2.3	-0.1	66	0.0
	Mizoram	104	1	1.7	0.7	0.8	9	0.0
	Nagaland	152	2	2.5	2.2	0.2	23	0.0
	Trinura	280	1	46	47	-0.3	41	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)								
	Bhutan	Nepal	Bangladesh					
Actual (MU)	19.5	-2.0	-24.6					
Day Peak (MW)	914.0	-273.3	-1072.0					

 $E.\ Import/Export\ by\ Regions\ (in\ MU)\ -\ Import(+ve)/Export(-ve);\ OD(+)/UD(-)$ SR 112.4 127.3 14.9 TOTAL WR ER NER NR Schedule(MU) Actual(MU) O/D/U/D(MU) -304.1 -303.9 -111.9 -124.6 0.0

F. Generation Outage(MW)						
	NR	WR	SR	ER	NER	TOTAL
Central Sector	7210	15333	9852	2270	844	35508
State Sector	16701	14044	12466	7895	11	51116
Total	23911	29377	22318	10165	855	86625

	NR	WR	SR	ER	NER	All India
Coal	397	1274	451	477	7	2605
Lignite	21	13	30	0	0	64
Hydro	118	26	133	77	16	371
Nuclear	28	21	43	0	0	92
Gas, Naptha & Diesel	21	94	16	0	28	159
RES (Wind, Solar, Biomass & Others)	63	76	158	5	0	301
Total	647	1503	831	559	52	3591
Share of RES in total generation (%)	9.72	5.06	19.00	0.83	0.12	8.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	32.28	8.14	40.24	14.65	31.51	21.26

Share of RES in total generation (%)	9.72	5.06	19.00	0.83	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	32.28	8.14	40.24	14.65	
H. All India Demand Diversity Factor					
Based on Regional Max Demands	1.036				
Based on State Max Demands	1.077				

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: 04-Nov-2020 |
| Export (MU) | NET (MU)

Sl No							Date of Reporting:	04-Nov-2020
	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impor	rt/Export of ER (V	Vith NR)				*****	1	
1	HVDC	ALIPURDUAR-AGRA	2	0	351	0.0	8.7	-8.7
2		PUSAULI B/B		0	297	0.0	7.2	-7.2
3 4		GAYA-VARANASI SASARAM-FATEHPUR	1	0	899 389	0.0	12.5 4.5	-12.5 -4.5
5	765 kV	GAYA-BALIA	1	0	474	0.0	8.8	-8.8
7	400 kV	PUSAULI-VARANASI	1	0	209 173	0.0	4.1	-4.1 3.0
8	400 kV 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	2	0	892	0.0	3.0 10.6	-3.0 -10.6
9		PATNA-BALIA	4	0	1096	0.0	17.7	-17.7
10		BIHARSHARIFF-BALIA	2	0	423	0.0	5.2	-5.2
11	400 kV 400 kV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	0 48	337 310	0.0	6.2 1.8	-6.2 -1.8
13		PUSAULI-SAHUPURI	ĩ	30	61	0.0	0.7	-0.7
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
16 17	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	<del></del>	0	0	0.0	0.0	0.0
					ER-NR	0.4	91.0	-90.6
	rt/Export of ER (V							
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1354	0	19.2	0.0	19.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	715	22	9.4	0.0	9.4
3	765 kV 400 kV	JHARSUGUDA-DURG	4	134	23	1.5	0.0	1.5
		JHARSUGUDA-RAIGARH		390	0	5.5	0.0	5.5
5	400 kV	RANCHI-SIPAT	2	284	20 139	3.9	0.0	3.9
7	220 kV 220 kV	BUDHIPADAR-RAIGARH	2	0	0	2.2	2.0	-2.0 2.2
/	220 KV	BUDHIPADAR-KORBA	2	138	ER-WR	41.8	0.0 2.0	39.8
Impor	rt/Export of ER (V	Vith SR)			£R-WK	71.0	4.0	37.0
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	430	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1997	0.0	48.0	-48.0 54.0
3	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2	0	2716 515	0.0	54.8 3.9	-54.8 -3.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
•					ER-SR	0.0	111.4	-111.4
	rt/Export of ER (V			_	400			
2		BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2 2	0	408 540	0.0	4.8 6.3	-4.8 -6.3
3		ALIPURDUAR-BUNGAIGAUN ALIPURDUAR-SALAKATI	2	0	540 113	0.0	1.5	-0.3 -1.5
			-	•	ER-NER	0.0	12.6	-12.6
	rt/Export of NER		_	_	#C *			
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501 NER-NR	0.0	11.5 11.5	-11.5 -11.5
Impor	rt/Export of WR (	With NR)			TILIK TIK	0.0	11.0	-11.5
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1515	0.0	31.1	-31.1
2	HVDC	VINDHYACHAL B/B	- 2	447	0	12.1	0.0	12.1
3	HVDC 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	1647 2631	0.0	41.1 49.6	-41.1 -49.6
5	765 kV	PHAGI-GWALIOR	2	0	1758	0.0	27.2	-27.2
6	765 kV	JABALPUR-ORAI	2	Ö	1125	0.0	40.5	-40.5
7	765 kV	GWALIOR-ORAI	1	644	0	10.0	0.0	10.0
8	765 kV	SATNA-ORAI	1	0	1553	0.0	33.1	-33.1
9 10	765 kV 400 kV	CHITORGARH-BANASKANTHA	2	0 2	998 195	0.0	13.7 1.7	-13.7 -1.7
11	400 KV 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	0	457	0.0	5.1	-1./ -5.1
12	400 kV	VINDHYACHAL -RIHAND	1	983	0	22.4	0.0	22.4
13		RAPP-SHUJALPUR	2	0	413	0.0	4.7	-4.7
14		BHANPURA-RANPUR	1	0	146	0.0	1.9	-1.9
15 16		BHANPURA-MORAK MEHGAON-AURAIYA	1	11	0	0.2 0.4	0.3	-0.1
17		MALANPUR-AURAIYA	1	116 72	24	1.2	0.0	0.4 1.2
18	132 kV	GWALIOR-SAWAI MADHOPUR	î	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
Impor	rt/Export of WR (	With SD)			WR-NR	46.3	250.0	-203.7
1		BHADRAWATI B/B		0	265			
2						0.0	6.2	-6.2
3	HVDC	RAIGARH-PUGALUR	2	Ö	265 153	0.0	6.2 7.3	-6.2 -7.3
4	765 kV	SOLAPUR-RAICHUR	2 2	0 160	153 2128	0.0 0.0	7.3 28.5	-7.3 -28.5
	765 kV 765 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD		0 160 0	153 2128 1983	0.0 0.0 0.0	7.3 28.5 26.5	-7.3 -28.5 -26.5
5	765 kV 765 kV 400 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2	0 160 0 517	153 2128 1983 0	0.0 0.0 0.0 6.4	7.3 28.5 26.5 0.0	-7.3 -28.5 -26.5 6.4
	765 kV 765 kV 400 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD		0 160 0	153 2128 1983	0.0 0.0 0.0	7.3 28.5 26.5	-7.3 -28.5 -26.5
5	765 kV 765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2	0 160 0 517	153 2128 1983 0 0 0 45	0.0 0.0 0.0 6.4 0.0 0.0	7.3 28.5 26.5 0.0 0.0 0.0	-7.3 -28.5 -26.5 -6.4 0.0 0.0
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1	0 160 0 517 0 1	153 2128 1983 0 0 0 0 45 WR-SR	0.0 0.0 0.0 6.4 0.0	7.3 28.5 26.5 0.0 0.0	-7.3 -28.5 -26.5 -6.4 0.0
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1	0 160 0 517	153 2128 1983 0 0 0 0 45 WR-SR	0.0 0.0 0.0 6.4 0.0 0.0	7.3 28.5 26.5 0.0 0.0 0.0 0.0 68.4	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -61.2
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1 1 1	0 160 0 517 0 1	153 2128 1983 0 0 0 0 45 WR-SR	0.0 0.0 0.0 6.4 0.0 0.0	7.3 28.5 26.5 0.0 0.0 0.0 0.0 68.4	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -61.2 Energy Exchange
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1 INTER	0 160 0 517 0 1 1 1	153 2128 1983 0 0 0 0 45 WR-SR	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2	7.3 28.5 26.5 0.0 0.0 0.0 0.0 68.4	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -61.2
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1 INTER	0 160 0 517 0 1 1 1 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2	153 2128 1983 0 0 0 0 45 WR-SR	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2	7.3 28.5 26.5 0.0 0.0 0.0 0.0 68.4	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -61.2 Energy Exchange
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 MANGDECHU HEP 4	0 160 0 0 517 0 1 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from = 180MW)	153 2128 1983 0 0 0 45 WR-SR	0.0 0.0 0.0 6.4 0.0 0.0 0.0 0.8 7.2	7.3 28.5 26.5 0.0 0.0 0.0 0.0 68.4  Avg (MW)	-7.3 -28.5 -26.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII)
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGI	0 160 0 0 517 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	153 2128 1983 0 0 0 45 WR-SR NGES Max (MW)	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW)	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 48.4  Avg (MW)	-7.3 -28.5 -26.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MI) -6.0
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER Line 400RV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400RV TALA-BINAGI MALBASE - BINAGU MECEJIPI (From TAL/	0 160 0 517 0 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from \$180MW) FI 1,2,4 (& 400kV RD 1,6 & 180MG/URI	153 2128 1983 0 0 0 45 WR-SR	0.0 0.0 0.0 6.4 0.0 0.0 0.0 0.8 7.2	7.3 28.5 26.5 0.0 0.0 0.0 0.0 68.4  Avg (MW)	-7.3 -28.5 -26.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII)
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region ER	2 2 2 2 1 1 1 INTER Line 400KV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA-BINAGU RECEIPT (from TAL).	0 160 160 1 0 0 1 160 1 0 1 160 1 0 1 1 1 1	153 2128 1983 0 0 0 45 WR-SR NGES Max (MW) 300	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW)	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR	0 160 160 1 160 1 160 1 160 1 160 1 160 1 160 1 170 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	153 2128 1983 0 0 0 45 WR-SR NGES Max (MW)	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW)	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 48.4  Avg (MW)	-7.3 -28.5 -26.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MI) -6.0
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL/	0 160 160 1 160 1 160 1 160 1 160 1 160 1 160 1 1 1 1	153 2128 1983 1983 0 0 0 45 WR-SR WGES Max (MW) 300 393	0.0 0.0 0.0 6.4 0.0 0.8 7.2 Min (MW) 248	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region ER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR	0 160 160 1 160 1 160 1 160 1 160 1 160 1 160 1 1 1 1	153 2128 1983 0 0 0 45 WR-SR NGES Max (MW) 300	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW)	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL/	0 160 160 1 160 1 160 1 160 1 160 1 160 1 160 1 1 1 1	153 2128 1983 1983 0 0 0 45 WR-SR WGES Max (MW) 300 393	0.0 0.0 0.0 6.4 0.0 0.8 7.2 Min (MW) 248	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393	-7.3 -28.5 -26.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL/	0 160 0 517 0 1 1 1 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2.4 (& 400kV RI) to 1,2.4	153 2128 1983 1983 0 0 0 45 WR-SR WGES Max (MW) 300 393	0.0 0.0 0.0 6.4 0.0 0.8 7.2 Min (MW) 248	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393	-7.3 -28.5 -26.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  ER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL/ 220kV CHUKHA-BIR RECEIPT (from TAL/ 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV Motanga-Rangi	0 160 160 0 1517 0 1 1 1 1 1 1 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from F180MW) IRI 1,2,4 (& 400kV R) 1,6, BINACURI RIET (6-170MW) ARA 1&7 (8-220kV 4) 1,6, BIRPARA LET (8-480MW) - SALAKATI	153 2128 1983 0 0 0 45 WR-SR  NGES Max (MW) 300 393	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW) 248	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  ER	2 2 2 2 1 1 1 INTER Line 400KY MANGDECHI i.e. ALIPURDUAR RE 400KY TALA-BINAGU MALBASE - BINAGU MALBASE - BIN	0 160 0 1517 0 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2.4 (& 400kV RI) L. (&	153 2128 1983 0 0 0 45 WR-SR  NGES Max (MW) 300 393	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW) 248	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  ER  NER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL/ 220kV CHUKHA-BIR RECEIPT (from TAL/ 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV Motanga-Rangi	0 160 0 1517 0 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2.4 (& 400kV RI) L. (&	153 2128 1983 0 0 0 0 45 WR-SR NGES Max (MW) 300 393	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW) 248 389	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5 -0.4
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 2 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHH ie. ALIPURDUAR RE A00kV MANGDECHH ie. ALIPURDUAR RE 100kV MANGDECHH ie. ALIPURDUAR RE 100kV MANGDECHH 100kV MALBASE - BINAGU RECEIPT (from TALL 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR	0 160 10 10 10 10 10 11 11 11 11 11 11 11 11	153 2128 1983 0 0 0 45 WR-SR  NGES  Max (MW) 300 393 164 21 35	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW) 248 389 0	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5 -0.4 -0.7
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  ER  NER	2 2 2 2 1 1 1 INTER Line 400KY MANGDECHI i.e. ALIPURDUAR RE 400KY TALA-BINAGU MALBASE - BINAGU MALBASE - BIN	0 160 10 10 10 10 10 11 11 11 11 11 11 11 11	153 2128 1983 0 0 0 0 45 WR-SR NGES Max (MW) 300 393	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW) 248 389	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5 -0.4
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  NER  NER  NER	2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANCDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV-CHUKHA-BIR RECEIPT (from TALA 220kV CHUKHA-BIR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR() MAHENDRANAGAR 132KV-BIHAR - NEP,	0 160 160 0 1517 0 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from * 180MW) RI 1,2.4 (4 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPAGURI A) i.e. BIRPAGURI A) i.e. BIRPAGURI SHAGURI	153 2128 1983 1983 0 0 0 45 WR-SR  NGES Max (MW) 300 393 164 21 35 -444	0.0 0.0 0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2  Min (MW)  248  389  0  4	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15 -30 -9	-7.3 -28.5 -26.5 -3.6.5 -3.0 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5 -0.4 -0.7 -0.2
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANCDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV-CHUKHA-BIR RECEIPT (from TALA 220kV CHUKHA-BIR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR() MAHENDRANAGAR 132KV-BIHAR - NEP,	0 160 10 10 10 10 10 11 11 11 11 11 11 11 11	153 2128 1983 0 0 0 45 WR-SR  NGES  Max (MW) 300 393 164 21 35	0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2 Min (MW) 248 389 0	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5 -0.4 -0.7
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  NER  NER  NER	2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANCDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV-CHUKHA-BIR RECEIPT (from TALA 220kV CHUKHA-BIR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR() MAHENDRANAGAR 132KV-BIHAR - NEP,	0 160 160 0 1517 0 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from * 180MW) RI 1,2.4 (4 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPAGURI A) i.e. BIRPAGURI A) i.e. BIRPAGURI SHAGURI	153 2128 1983 1983 0 0 0 45 WR-SR  NGES Max (MW) 300 393 164 21 35 -444	0.0 0.0 0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2  Min (MW)  248  389  0  4	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15 -30 -9	-7.3 -28.5 -26.5 -3.6.5 -3.0 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5 -0.4 -0.7 -0.2
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  NER  NER  NER	2 2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE MANCDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV-CHUKHA-BIR RECEIPT (from TALA 220kV CHUKHA-BIR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR() MAHENDRANAGAR 132KV-BIHAR - NEP,	0 160 160 0 517 0 1 1 1 1 NATIONAL EXCHAI Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) IRI 1,24 (& 400kV RR 1,24	153 2128 1983 1983 0 0 0 45 WR-SR  NGES Max (MW) 300 393 164 21 35 -444	0.0 0.0 0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2  Min (MW)  248  389  0  4	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15 -30 -9	-7.3 -28.5 -26.5 -3.6.5 -3.0 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5 -0.4 -0.7 -0.2
5 6 7	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI  Region  ER  ER  ER  NER  NER  NER  NER  ER  ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGU MALBASE - BIR	0 160 160 0 1517 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	153 2128 1983 0 0 0 45 WR-SR  NGES  Max (MW) 300 393 164 21 35 -44 -101	0.0 0.0 0.0 0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.8 7.2  Min (MW) 248 389 0 4 23 0 10	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15 -30 -9 -38	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -0.7 -0.2 -0.9
5 6 7 8	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI PONDA-AMBEWADI  Region  ER  ER  ER  NER  NER  NER  NER  ER  ER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH i.e. ALIPURDUAR RE MANGDECHH i.e. ALIPURDUAR RE MANGDECHH i.e. ALIPURDUAR RE MALBASE - BINAGU BECEIPT (from TAL- 200kV CHUKILA-BIR MALBASE - BINAGU BECEIPT (from CHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR 132kV-BIHAR - NEP. 220kV-MUZAFFARP BHERAMARA HVDC 132kV-SURAJMANI 132kV-SURAJMANI	0 160 160 0 1517 0 1 1 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from = 180MW) IRI 1,2.4 (& 400kV R) IRI 1,2.4 (& 400kV R	153 2128 1983 0 0 0 45 WR-SR  NGES  Max (MW) 300 393 164 21 35 -44 -101	0.0 0.0 0.0 0.0 0.0 6.4 0.0 0.0 0.0 0.0 0.8 7.2  Min (MW) 248 389 0 4 23 0 10	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15 -30 -9 -38	-7.3 -28.5 -26.5 -6.4 -0.0 -0.0 -0.8 -61.2  Energy Exchange (MII) -6.0 -9.9 -2.5 -0.4 -0.7 -0.2 -0.9
5 6 7 8	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  NER  NER  NER  NER  ER  ER  ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGU MALBASE - BIR	0 160 160 0 1517 0 1 1 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from = 180MW) IRI 1,2.4 (& 400kV R) IRI 1,2.4 (& 400kV R	153 2128 1983 1983 0 0 0 45 WR-SR  NGES  Max (MW) 300 393 164 21 35 -44 -101 -128	0.0 0.0 0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2  Min (MW)  248  389  0  4  23  0  10  -2	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15 -30 -9 -38	-7.3 -28.5 -28.5 -26.5 -6.4 -0.0 -0.8 -6.1.2  Energy Exchange (M11) -6.0 -9.9 -2.5 -0.4 -0.7 -0.2 -0.9 -0.9 -0.9
5 6 7 8	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  NER  NER  NER  NER  ER  ER  ER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH i.e. ALIPURDUAR RE MANGDECHH i.e. ALIPURDUAR RE MANGDECHH i.e. ALIPURDUAR RE MALBASE - BINAGU BECEIPT (from TAL- 200kV CHUKILA-BIR MALBASE - BINAGU BECEIPT (from CHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-Motanga-Rangi 132kV-TANAKPUR(MAHENDRANAGAR 132kV-BIHAR - NEP. 220kV-MUZAFFARP BHERAMARA HVDC 132kV-SURAJMANI 132kV-SURAJMANI	0 160 160 0 1517 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	153 2128 1983 1983 0 0 0 45 WR-SR  NGES  Max (MW) 300 393 164 21 35 -44 -101 -128	0.0 0.0 0.0 0.0 0.0 6.4 0.0 0.0 0.8 7.2  Min (MW)  248  389  0  4  23  0  10  -2	7.3 28.5 26.5 0.0 0.0 0.0 0.0 0.0 0.0 68.4  Avg (MW) 250 393 105 -15 -30 -9 -38	-7.3 -28.5 -28.5 -26.5 -6.4 -0.0 -0.8 -6.1.2  Energy Exchange (M11) -6.0 -9.9 -2.5 -0.4 -0.7 -0.2 -0.9 -0.9 -0.9