

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर 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

To.

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता - ७०००३३ 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.,२९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 22.08.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-अगस्त-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 22nd August 2020, 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:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52917	36653	35366	20109	2823	147868
Peak Shortage (MW)	0	0	0	109	156	265
Energy Met (MU)	1131	875	858	426	53	3343
Hydro Gen (MU)	317	53	125	148	26	668
Wind Gen (MU)	14	105	94		-	213
Solar Gen (MU)*	38.72	15.42	86.26	4.34	0.03	145
Energy Shortage (MU)	0.0	0.0	0.0	0.3	0.0	0.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54562	37490	40726	20170	2840	148767
Time Of Maximum Demand Met (From NLDC SCADA)	20:44	08:59	09:37	20:29	19:49	19:50

B. Frequency Profile (%)
Region
All India

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		dav(MW)	Demand(MW)	(MC)	(MU)	(NIC)	(MIVV)	(MU)
	Punjab	9063	0	191.1	133.1	0.1	173	0.0
	Haryana	7969	0	160.1	155.0	1.1	224	0.0
	Rajasthan	9474	0	215.5	77.6	-3.1	525	0.0
	Delhi	4438	0	91.6	79.7	-0.5	116	0.0
NR	UP	18958	0	359.2	173.9	-2.8	365	0.0
	Uttarakhand	1836	0	39.5	16.7	-0.1	139	0.0
	HP	1296	0	29.3	-1.1	1.1	231	0.0
	J&K(UT) & Ladakh(UT)	2199	0	40.6	22.4	-0.2	380	0.0
	Chandigarh	224	0	4.4	5.0	-0.6	16	0.0
	Chhattisgarh	3387	0	78.6	19.7	-0.1	263	0.0
	Gujarat	12100	0	261.0	92.0	3.0	788	0.0
	MP	7186	0	157.4	80.3	-4.1	359	0.0
WR	Maharashtra	15684	0	332.5	115.6	-2.2	665	0.0
	Goa	319	0	7.3	6.6	0.1	63	0.0
	DD	253	0	5.6	5.5	0.1	28	0.0
	DNH	661	0	15.2	15.4	-0.2	49	0.0
	AMNSIL	771	0	17.4	1.5	0.5	253	0.0
	Andhra Pradesh	7869	0	162.9	49.6	0.9	560	0.0
	Telangana	7858	0	157.6	76.2	-0.6	592	0.0
SR	Karnataka	7907	0	151.6	45.3	0.8	615	0.0
	Kerala	3205	0	67.4	45.4	0.4	197	0.0
	Tamil Nadu	13869	0	311.1	159.9	-0.6	811	0.0
	Puducherry	361	0	7.7	7.9	-0.2	15	0.0
	Bihar	5181	0	102.2	96.1	-0.2	635	0.0
	DVC	2830	0	63.5	-34.3	0.7	347	0.0
	Jharkhand	1365	0	26.0	17.9	-1.0	82	0.3
ER	Odisha	4026	0	83.5	15.8	1.1	555	0.0
	West Bengal	7193	0	150.2	56.2	2.2	670	0.0
	Sikkim	76	0	0.9	1.2	-0.3	13	0.0
	Arunachal Pradesh	119	2	1.8	1.9	-0.1	34	0.0
	Assam	1802	110	34.2	30.1	0.3	129	0.0
	Manipur	198	1	2.7	2.5	0.2	58	0.0
NER	Meghalaya	318	0	5.7	0.1	-0.1	50	0.0
	Mizoram	93	1	1.6	1.2	0.2	28	0.0
	Nagaland	129	1	2.3	2.5	-0.3	5	0.0
	Tripura	277	0	4.5	5.7	-0.3	33	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	54.0	-2.3	-24.1
Day Peak (MW)	2277.0	-285.4	-1074.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	286.7	-280.0	95.4	-102.0	-0.2	0.0
Actual(MU)	266.8	-293.5	107.2	-96.4	0.2	-15.6
O/D/U/D(MU)	-19.9	-13.5	11.8	5.6	0.4	-15.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5839	18258	10162	2865	610	37734
State Sector	14939	27144	15414	4972	47	62516
Total	20778	45402	25576	7837	656	100249

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	410	923	334	404	7	2077
Lignite	24	9	22	0	0	55
Hydro	317	53	125	148	26	668
Nuclear	24	32	48	0	0	104
Gas, Naptha & Diesel	34	49	13	0	25	122
RES (Wind, Solar, Biomass & Others)	72	121	210	4	0	407
Total	882	1186	751	556	58	3433
Share of RES in total generation (%)	8.18	10.21	27.91	0.78	0.05	11.86
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	46.83	17.32	50.87	27.41	44.72	34.34

H. All India Demand Diversity Factor

Dased on Regional Wax Demands	1.04/
Based on State Max Demands	1.079

| Daiser of in State Max Demands | 1,079 |
| 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)

Sl No Impor							Date of Reporting:	23-Aug-2020
	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	rt/Export of ER (-			
1	HVDC	ALIPURDUAR-AGRA	2	0	1003	0.0	23.9	-23.9
2	HVDC	PUSAULI B/B	-	0	198	0.0	5.0	-5.0
3	765 kV 765 kV	GAYA-VARANASI SASARAM-FATEHPUR	í	0 189	517 65	0.0 1.7	7.1 0.0	-7.1 1.7
- 5	765 kV	GAYA-BALIA	1	0	430	0.0	6.9	-6.9
6	400 kV	PUSAULI-VARANASI	1	0	207	0.0	4.2	-4.2
7 8	400 kV 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1	0	62 608	0.0	0.6 11.6	-0.6 -11.6
9	400 kV	PATNA-BALIA	4	Ö	843	0.0	13.8	-13.8
10		BIHARSHARIFF-BALIA	2	0	260	0.0	4.0	-4.0
11		MOTIHARI-GORAKHPUR	2	97	340 134	0.0	4.9 0.8	-4.9 -0.8
12	400 kV 220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	1	0	106	0.0	2.0	-2.0
14	132 kV	SONE NAGAR-RIHAND	ī	Õ	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	30	0	0.4	0.0	0.4
16 17	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	+	0	0	0.0	0.0 0.0	0.0
	132 K 1	AAROA: GOA-CHAIDACD			ER-NR	2.2	84.8	-82.6
	rt/Export of ER (1	,				
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	967	0	14.3	0.0	14.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1182	0	18.4	0.0	18.4
3	765 kV	JHARSUGUDA-DURG	2	84	99	0.2	0.0	0.2
4	400 kV	JHARSUGUDA-RAIGARH	4	292	121	2.0	0.0	2.0
5	400 kV	RANCHI-SIPAT	2	398	0	6.8	0.0	6.8
6	220 kV	BUDHIPADAR-RAIGARH	1	12	85	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	172	0 FD-WD	2.7	0.0	2.7
Impor	rt/Export of ER (V	With SR)			ER-WR	44.4	0.7	43.7
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	336	0.0	7.6	-7.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1974	0.0	29.8	-29.8
3	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	0 1254	2595 227	0.0 7.2	47.5 0.0	-47.5 7.2
5		BALIMELA-UPPER-SILERRU	1	1434	0	0.0	0.0	0.0
					ER-SR	0.0	84.9	-84.9
	rt/Export of ER (V		2	_	403			
2	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2 2	0	403 497	0.0	4.8 5.3	-4.8 -5.3
3		ALIPURDUAR-BUNGAIGAUN ALIPURDUAR-SALAKATI	2	0	127	0.0	1.8	-5.3 -1.8
				•	ER-NER	0.0	11.9	-11.9
Impor 1	rt/Export of NER	(With NR) BISWANATH CHARIALI-AGRA		1 0	(02	0.0	145	11.5
	HVDC	BISWANATH CHARIALI-AGRA	<u> </u>	0	603 NER-NR	0.0	14.5 14.5	-14.5 -14.5
Impor	rt/Export of WR (OIO .		
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1001	0.0	39.1	-39.1
3	HVDC HVDC	VINDHYACHAL B/B MUNDRA-MOHINDERGARH	2	446	0 1457	11.0	0.0	11.0
4	765 kV	GWALIOR-AGRA	2	0	2620	0.0	21.6 45.1	-21.6 -45.1
- 5	765 kV	PHAGI-GWALIOR	2	Õ	1358	0.0	25.4	-25.4
6	765 kV	JABALPUR-ORAI	2	0	943	0.0	35.4	-35.4
8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	1	435	0 1507	9.0 0.0	0.0 29.9	9.0 -29.9
9	765 kV	CHITORGARH-BANASKANTHA	2	34	965	0.0	9.8	-9.8
10	400 kV	ZERDA-KANKROLI	1	58	158	0.0	0.9	-0.9
11	400 kV	ZERDA -BHINMAL	1	197	244	0.0	1.5	-1.5
12	400 kV 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1	971	0 574	21.9 0.0	0.0 8.2	21.9 -8.2
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	2.0	-2.0
15	220 kV	BHANPURA-MORAK	1	0	130	0.0	2.1	-2.1
16	220 kV	MEHGAON-AURAIYA	1	78	19	0.0	0.3	-0.3
17 18	220 kV 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1	47 0	43	0.5 0.0	0.1 0.0	0.5 0.0
19	132 kV	RAJGHAT-LALITPUR	2	ő	Õ	0.0	0.0	0.0
_		THE CONTRACTOR OF THE CONTRACT			WR-NR	42.4	221.4	-179.0
1mpor	rt/Export of WR (HVDC			0				
2	HVDC				199	0.0	0.1	0.1
3	# / # 1 Y /	BHADRAWATI B/B RAIGARH-PUGALUR	2	0	488 1490	0.0	9.1 9.9	-9.1 -9.9
4	765 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2	0 285	1490 2230	0.0	9.9 23.2	-9.9 -23.2
	765 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	0 285 0	1490 2230 2396	0.0 0.0 0.0	9,9 23,2 36,1	-9.9 -23.2 -36.1
6	765 kV 400 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI		0 285 0 701	1490 2230 2396 0	0.0 0.0 0.0 6.8	9,9 23.2 36.1 0.0	-9.9 -23.2 -36.1 6.8
6 7	765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2	0 285 0 701 0	1490 2230 2396 0 0	0.0 0.0 0.0 6.8 0.0	9.9 23.2 36.1 0.0 0.0	-9.9 -23.2 -36.1 6.8 0.0
6	765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2	0 285 0 701	1490 2230 2396 0 0 0 86	0.0 0.0 0.0 6.8 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0	-9.9 -23.2 -36.1 6.8 0.0 0.0 1.5
6 7	765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1 1	0 285 0 701 0 0	1490 2230 2396 0 0 0 0 WR-SR	0.0 0.0 0.0 6.8 0.0	9.9 23.2 36.1 0.0 0.0	-9.9 -23.2 -36.1 6.8 0.0
6 7	765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1 1 1	0 285 0 701 0 0 0	1490 2230 2396 0 0 0 86 WR-SR	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3	9,9 23,2 36,1 0,0 0,0 0,0 0,0 78,3	-9,9 -23,2 -36,1 -6,8 -0,0 -0,0 1,5 -70,1
6 7	765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 1 1 1	0 285 0 701 0 0	1490 2230 2396 0 0 0 0 WR-SR	0.0 0.0 0.0 6.8 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0	-9,9 -23,2 -36,1 -6,8 -0,0 -0,0 1,5 -70,1
6 7	765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 2 1 1 1 INTER Line	0 285 0 701 0 0 0 ENATIONAL EXCHA Name	1490 2230 2396 0 0 0 86 WR-SR NGES	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII)
6 7	765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 INTER Line 400kV MANGDECHI ic. ALIPURDUAR RE	0 285 0 701 0 0 0 0 0 NATIONAL EXCHA Name Un-ALIPURDUAR 182 CELPT (from	1490 2230 2396 0 0 0 86 WR-SR	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3	9,9 23,2 36,1 0,0 0,0 0,0 0,0 78,3	-9,9 -23,2 -36,1 -6,8 -0,0 -0,0 1,5 -70,1
6 7	765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI te. ALIPURDUAR RR MANGBECHI HEP.	0 285 00 701 0 0 0 0 NATIONAL EXCHA Name IU-ALIPURDUAR I&2 SCEIPT (from 4*180MW)	1490 2230 2396 0 0 0 86 WR-SR NGES	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII)
6 7	765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUR HEP. 400kV TALA-BINAGI MALBASE. BINAGG	0 285 285 0 701 701 0 0 0 0 2NATIONAL EXCHA Name RU-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 1,2,4 (& 400MV) RRI) i.e. BINAGURI	1490 2230 2396 0 0 0 86 WR-SR NGES	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII)
6 7	765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 1 1 1 INTER Line 400KV MANGDECHU HEP, 400KV TALA BINAGI MALBASE - BINAGG MALBASE - BINAGG MECEJIPT (From TAL)	0 285 285 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 WR-SR NGES Max (MW)	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3 Avg (MW)	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) -17.4
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 1 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUR HEP. 400kV TALA-BINAGI MALBASE. BINAGG	0 285 285 0 0 701 701 0 0 0 0 ENATIONAL EXCHA Name RU-ALIPURDUAR 1&2 CCEIPT (from 44180MW) URI 12,4 (& 4000V) RID 1:6 BINAGURI A HEP (69170MW) PARA 1&2 (& 2200V)	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) -17.4
6 7	765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 2 2 2 1 1 I INTER LINE LINE LINE LINE LINE LINE LINE LINE	0 285 285 0 0 1 701 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 WR-SR NGES Max (MW)	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3 Avg (MW)	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) 17.4 25.9
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHI ic. ALIPURDUAR RE MANGDECHU HEP. 400kV TALA BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL	0 285 285 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 0 86 WR-SR NGES Max (MW) 774 1028	0.0 0.0 0.0 6.8 0.0 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028	9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) -17.4 -25.9 -8.1
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR 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 GORV MANGDECHI Le. ALIPURDUAR RE MANGDECHU HEP JORN TALA SINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR MALBASE - BIRPAR	0 285 285 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774	0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) 17.4 25.9
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 2 2 2 2 1 1 1 1 INTER Line 400kV MANGBECHI Line 400kV MANGBECHI Line 440kV TALA-BINAGI RECEIPT (from TAL 20kV CHUKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR MECEIPT (from CHU 132kV-GEYLEGPHU)	0 285 285 0 0 701 285 285 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354	0.0 0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW) 0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) 17.4 25.9 8.1
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 2 1 1 1 1 INTER Line 400kV MANGDECHI ic. ALIPURDUAR RE MANGDECHU HEP. 400kV TALA BINAGI MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL	0 285 285 0 0 701 285 285 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 0 86 WR-SR NGES Max (MW) 774 1028	0.0 0.0 0.0 6.8 0.0 0.0 0.0 1.5 8.3 Min (MW)	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028	9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) -17.4 -25.9 -8.1
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 2 1 1 INTER Line 400kV MANGDECHI Le. ALIPURDUAR RE MANGBECHI HEP 400kV TALA-BINAGI RECEIPT (from CHU 132kV-GEYLEGPHU 132kV Motanga-Rangi	0 285 0 9 701 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354	0.0 0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW) 0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) 17.4 25.9 8.1
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 2 2 2 2 1 1 1 1 INTER Line 400kV MANGBECHI Line 400kV MANGBECHI Line 440kV TALA-BINAGI RECEIPT (from TAL 20kV CHUKHA-BIR MALBASE - BIRPAR MALBASE - BIRPAR MECEIPT (from CHU 132kV-GEYLEGPHU)	0 285 0 701 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354	0.0 0.0 0.0 0.0 6.8 0.0 0.0 1.5 8.3 Min (MW) 0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) 17.4 25.9 8.1
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 2 1 1 INTER Line 400EV MANGDECHI Le. ALIPURDUAR RE HANGDECHI HEP 400EV TALA-BINAGI RECEPT (HORD TAL MALBASE - BINAGI RECEPT (HORD TAL MALBASE - HORDER 132EV-GEYLEGPHU 132EV-GEYLEGPHU 132EV-GEYLEGPHU 132EV-TANAKPUR(I	0 285 0 701 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354 55	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335 -51	9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) -17.4 -25.9 -1.2 -1.4
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 2 2 1 1 INTER Line 400EV MANGDECHI Le. ALIPURDUAR RE HANGDECHI HEP 400EV TALA-BINAGI RECEPT (HORD TAL MALBASE - BINAGI RECEPT (HORD TAL MALBASE - HORDER 132EV-GEYLEGPHU 132EV-GEYLEGPHU 132EV-GEYLEGPHU 132EV-TANAKPUR(I	0 285 09 701 701 0 0 0 ENATIONAL EXCHA Name RU-ALIPURDUAR 1&2 CCEIPT (from 4*180MW) URI 1,2,4 (& 400kV RUB 1,2,4	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354 55	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335 -51	9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) -17.4 -25.9 -1.2 -1.4
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 2 1 1 INTER LINE LINE LINE 400KV MANGDECHI Le. ALIPURDUAR RE MANGBECHI HEP. 400KV TALA-BINAGI RECEIPT (from TAL 200KV CHALBASE - BINAGI RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 132KV-BIHAR - NEP.	0 285 285 0 701 701 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354 55 67	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 9.0 9.0 9.0 9.0 9.0 78.3 Avg (MW) 723 1028 335 -51 -60	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MIT) 17.4 25.9 8.1 -1.2 -1.4 -1.0
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI FONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	2 2 2 2 2 1 1 INTER Line 400KV MANGDECHI Le, ALIPURDUAR RI MANGDECHI HEP, 400KV TALA-BINAGI RECEIPT (from TAL MALBASE - BINAGI RECEIPT (from TAL MALBASE - BINAGI MALBASE - BINA	0 285 285 0 701 701 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354 55 67 -62	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 9.0 9.0 9.0 9.0 9.0 78.3 Avg (MW) 723 1028 335 -51 -60	9.9 - 9.9 - 23.2 - 23.2 - 36.1 - 6.8 - 0.0 - 0.0 - 1.5 - 79.1 - 1.74 - 25.9 - 8.1 - 1.2 - 1.4 - 1.0
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR 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 INTER LINE LINE LINE 400KV MANGDECHI Le. ALIPURDUAR RE MANGBECHI HEP. 400KV TALA-BINAGI RECEIPT (from TAL 200KV CHALBASE - BINAGI RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 132KV-BIHAR - NEP.	0 285 285 0 701 701 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354 55 67	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335 -51 -60 -40	9.9 - 23.2 - 36.1 - 6.8 - 0.0 - 0.0 - 0.1 - 5 - 70.1 Energy Exchange (MII) 17.4 - 25.9 - 8.1 - 1.2 - 1.4 - 1.0 - 0.6
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER ER ER ER	2 2 2 2 2 1 INTER LINE LINE LINE 400KV MANGDECHI LE ALIPURDUAR RE MANGBECHI HEP- 400KV TALA-BINAGI RECEPT (from TAL 132KV-BIHASE - BIRPAR RECEPT (from CHU 132KV-TANAKPUR(! MAHENDRANAGAR 132KV-BIHAR - NEP- 220KV-MUZAFFARF	0 285 09 701 00 00 00 00 00 00 00 00 00 00 00 00 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354 55 67 -62 -71	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 9.0 9.0 9.0 9.0 9.0 78.3 Avg (MW) 723 1028 335 -51 -60 -40 -23	9.9 - 9.9 - 23.2 - 23.2 - 23.2 - 23.2 - 23.2 - 23.6.1 - 6.8 - 0.0 - 0.0 - 0.0 - 1.5 - 79.1 - 17.4 - 25.9 - 8.1 - 1.2 - 1.4 - 1.0 - 0.6 - 0.8
6 7	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR 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 INTER 2 2 1 1 INTER Line 400KV MANGDECHI ie, ALIPURDUAR RI KANGDECHI HEP, 400KV TALA-BINAGI RECEIPT (from TAL MALBASE - BINAGI RECEIPT (from TAL MALBASE - BINAGI MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(f MAHENDRANAGAR 132KV-TANAKPUR(f MAHENDRANAGAR 132KV-BHAR - NEP- 220KV-MUZAFFARI	0 285 09 701 00 00 00 00 00 00 00 00 00 00 00 00 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354 55 67 -62	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335 -51 -60 -40	9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) -17.4 -1.2 -1.4 -1.0 -0.6
8	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER ER ER ER ER ER	2 2 2 2 2 1 INTER LINE LINE LINE 400KV MANGDECHI LE ALIPURDUAR RE MANGBECHI HEP- 400KV TALA-BINAGI RECEPT (from TAL 132KV-BIHASE - BIRPAR RECEPT (from CHU 132KV-TANAKPUR(! MAHENDRANAGAR 132KV-BIHAR - NEP- 220KV-MUZAFFARF	0 285 285 0 701 701 0 0 0 ENATIONAL EXCHA Name III-ALIPURDUAR 182 CCEPT (from 4*180MW) URI 12.4 (8.400W) URI 12.4 (8.400W) URI 12.4 (8.400W) PAREA (82 (8.220W) A) i.e. BIRPARA KHA HEP 4*244MW) J - SALAKATI iia NH) - ((PG) AL	1490 2230 2396 0 0 0 88 WR-SR NGES Max (MW) 774 1028 354 55 67 -62 -71 -152	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335 -51 -60 -40 -23 -32	-9.9 -23.2 -36.1 -36.1 -0.0 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MU) -17.4 -25.9 -1.2 -1.4 -1.0 -0.6 -0.8
8	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER ER ER ER	2 2 2 2 2 1 1 INTER Line 400kV MANGDECHI ie. ALIPURDUAR RE MANGBECH HEP. 400kV TALA-BINAGI RECEIPT (from TAL 20kV CHIKHA-BIR MALBASE - BINAGI RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPURG MAHENDRANAGAR 132kV-TANAKPURG MAHENDRANAGAR 132kV-MUZAFFARF DC BHERAMARA HVDG	0 285 285 0 701 0 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 86 WR-SR NGES Max (MW) 774 1028 354 55 67 -62 -71	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 9.0 9.0 9.0 9.0 9.0 78.3 Avg (MW) 723 1028 335 -51 -60 -40 -23	-9.9 -23.2 -36.1 -6.8 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MII) -17.4 -25.9 -8.1 -1.2 -1.4 -1.0 -0.6 -0.8
8	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER ER ER ER ER ER	2 2 2 2 2 1 1 1 INTER Line 400EV MANGDECHI Le. ALIPURDUAR RE MANGDECHU HEP. 400EV TALA-BINAGI MALBASE - BINAGI 132EV-GHYENDI TAL 132EV-GHYENDI TAL 132EV-TANAEPUR(! MAHENDRANAGAR 132EV-BIHAR - NEP. 220EV-MUZAFFARF DC BHERAMARA HVDC 132EV-SURAJMANI COMILLA(BANGLA	0 285 285 0 1701 701 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1490 2230 2396 0 0 0 88 WR-SR NGES Max (MW) 774 1028 354 55 67 -62 -71 -152	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335 -51 -60 -40 -23 -32	-9.9 -23.2 -36.1 -36.1 -0.0 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MU) -17.4 -25.9 -1.2 -1.4 -1.0 -0.6 -0.8
8	765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER NER ER ER ER ER ER ER ER ER	2 2 2 2 2 1 1 INTER Line 400KV MANGDECHI ie, ALIPURDUAR RI MANGDECHI ie, ALIPURDUAR RI MANGDECHI ie, ALIPURDUAR RI MANGDECHI HEP, 400KV TALA-BINAGI RECEIPT (from TAL 200K CHUKILA BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(! MAHENDRANAGAR 132KV-TANAKPUR(! MAHENDRANAGAR 132KV-BIHAR - NEP 220KV-MUZAFFARF DC BHERAMARA HVDC	0 285 285 0 701 701 0 0 0 ENATIONAL EXCHA Name III-ALIPURDUAR 182 CCEPT (from 4*180MW) URI 12.4 (8.400W) URI 12.4 (8.400W) URI 12.4 (8.400W) URI 12.4 (8.400W) J- SALAKATI iia NH) - ((PG) AL URI - URI -	1490 2230 2396 0 0 0 88 WR-SR NGES Max (MW) 774 1028 354 55 67 -62 -71 -152	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.9 23.2 36.1 0.0 0.0 0.0 0.0 0.0 78.3 Avg (MW) 723 1028 335 -51 -60 -40 -23 -32	-9.9 -23.2 -36.1 -36.1 -0.0 -0.0 -0.0 -1.5 -70.1 Energy Exchange (MU) -17.4 -25.9 -1.2 -1.4 -1.0 -0.6 -0.8