

## 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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दिनांक: 1<sup>st</sup> Nov 2020

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता - 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033

- 2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 31.10.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-अक्टूबर-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 31<sup>st</sup> October 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 01-Nov-2020 NR 45315 WR TOTAL SR ER NER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 39867 20270 2652 Peak Shortage (MW) 97 117 Energy Met (MU) Hydro Gen (MU) 950 1165 913 402 48 3477 117 30 138 77 19 382 43 160 0.9 157799 Wind Gen (MU) Solar Gen (MU)\* 13 93.89 22 28.22 33.31 4.50 0.09 Energy Shortage (MU)
Maximum Demand Met During the Day (MW) (From NLDC SCADA)
Time Of Maximum Demand Met (From NLDC SCADA) 0.6 0.0 0.0 0.1 2727 46439 20915 51931 42000 09:43 11:51 18:07 B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 83.98 > 50.05 11.82 0.025

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortag (MU)
	Punjab	5811	0	114.7	95.7	-1.0	85	0.0
	Harvana	5892	0	128.0	116.9	0.3	228	0.0
	Rajasthan	12571	0	242.6	87.5	0.0	239	0.0
	Delhi	3229	0	63.2	46.2	-0.8	162	0.0
NR	UP	14986	0	279.1	126.2	-2.8	262	0.6
	Uttarakhand	1817	0	36.1	25.9	1.4	167	0.0
	HP	1498	0	29.3	19.9	-0.5	129	0.0
	J&K(UT) & Ladakh(UT)	2830	0	54.4	41.8	7.5	572	0.0
	Chandigarh	173	0	3.0	3.0	0.0	14	0.0
	Chhattisgarh	3332	0	73.7	23.5	-1.0	267	0.0
	Gujarat	16435	0	353.6	67.2	3.4	481	0.0
	MP	12760	0	262.5	153,3	-3.9	600	0.0
WR	Maharashtra	19193	0	421.2	124.7	-1.9	622	0.0
	Goa	509	0	10.4	10.1	-0.3	66	0.0
	DD	336	0	7.6	7.2	0.4	63	0.0
	DNH	789	0	18.3	18.4	-0.1	87	0.0
	AMNSIL	763	0	17.2	2.2	0.2	230	0.0
	Andhra Pradesh	8820	0	178.9	82.8	-0.1	408	0.0
	Telangana	7412	0	156.3	46.1	-1.4	516	0.0
SR	Karnataka	9461	0	179.3	64.1	1.1	951	0.0
	Kerala	3504	0	72.6	49.5	0.1	202	0.0
	Tamil Nadu	14562	0	318.2	195.2	0.4	755	0.0
	Puducherry	370	0	7.8	7.9	-0.2	26	0.0
	Bihar	4791	0	82.2	81.6	-0.2	270	0.0
	DVC	3137	0	63.2	-47.1	-0.6	330	0.0
	Jharkhand	1401	0	27.5	19.4	-1.3	110	0.3
ER	Odisha	4513	0	85.3	15.5	-0.7	410	0.0
	West Bengal	7599	0	142.0	35.6	0.8	360	0.0
	Sikkim	92	0	1.3	1.4	-0.1	25	0.0
	Arunachal Pradesh	116	2	2.2	2.1	0.0	30	0.0
	Assam	1710	5	29.6	26.5	0.0	117	0.0
	Manipur	183	2	2.5	2.4	0.1	79	0.0
NER	Meghalaya	328	0	5.8	1.5	-0.1	32	0.0
	Mizoram	100	0	1.5	0.7	0.5	30	0.0
	Nagaland	149	2	2.4	2.2	0.1	20	0.0
	Tripura	246	1	3.8	4.3	-0.6	66	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	21.8	-0.6	-25.1
Day Peak (MW)	945.0	-209.3	-1063.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	319.7	-316.4	111.2	-113.7	-0.8	0.0
Actual(MU)	318.7	-314.1	118.3	-127.6	-1.5	-6.2
O/D/U/D(MU)	-1.0	2.3	7.2	-13.9	-0.7	-6.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6800	15055	9452	1770	660	33737
State Sector	16377	13466	13316	6067	11	49237
Total	23177	28521	22768	7837	671	82973
Total	23177	28521	22768	7837	671	82

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	402	1285	416	480	7	2591
Lignite	24	15	25	0	0	64
Hydro	117	30	138	77	19	382
Nuclear	28	21	65	0	0	114
Gas, Naptha & Diesel	22	93	17	0	26	158
RES (Wind, Solar, Biomass & Others)	52	51	141	5	0	249
Total	646	1495	803	562	53	3558
Share of RES in total generation (%)	8.06	3.40	17.62	0.81	0.17	7.00
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.53	6.82	42.93	14.57	36.88	20.94

H. All India Demand Diversity Factor Based on Regional Max Demands

Based on State Max Demands	1.086
Ti	

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

Sl No Impor								
No Impor	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Date of Reporting: Export (MU)	NET (MU)
	rt/Export of ER (V				1	1	1	
1		ALIPURDUAR-AGRA	2	0	700	0.0	16.5	-16.5
2	HVDC	PUSAULI B/B	-	0	299	0.0	7.4	-7.4
3		GAYA-VARANASI	2	0	1056	0.0	13.0	-13.0
5		SASARAM-FATEHPUR GAYA-BALIA	1	65	374 530	0.0	3.5 9.0	-3.5 -9.0
6		PUSAULI-VARANASI	1	0	245	0.0	4.9	-4.9
7		PUSAULI -ALLAHABAD	i	0	145	0.0	2.2	-2.2
8		MUZAFFARPUR-GORAKHPUR	2	0	865	0.0	8.4	-8.4
9		PATNA-BALIA	4	0	1097	0.0	14.4	-14.4
10		BIHARSHARIFF-BALIA	2	0	421	0.0	4.6	-4.6
11		MOTIHARI-GORAKHPUR	2	0	310	0.0	5.6	-5.6
12		BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	1	176 0	310 81	0.0	0.3 1.1	-0.3 -1.1
14		SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	î	20	Ö	0.3	0.0	0.3
16		KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
Y		Vid- WD			ER-NR	0.3	91.0	-90.7
	rt/Export of ER (V			752	2/0	2.0	0.0	2.0
1		JHARSUGUDA-DHARAMJAIGARH	4	753	268	2.9	0.0	2.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	595	298	5.5	0.0	5.5
3	765 kV	JHARSUGUDA-DURG	2	21	192	0.0	1.7	-1.7
4	400 kV	JHARSUGUDA-RAIGARH	4	210	178	0.8	0.0	0.8
5	400 kV	RANCHI-SIPAT	2	199	113	2.1	0.0	2.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	163	0.0	2.6	-2.6
7	220 kV	BUDHIPADAR-KORBA	2	114	39	1.2	0.0	1.2
					ER-WR	12.5	4.3	8.2
	rt/Export of ER (V							
1		JEYPORE-GAZUWAKA B/B	2	0	531	0.0	12.4	-12.4
2		TALCHER-KOLAR BIPOLE	2	0	991	0.0	24.1	-24.1
3		ANGUL-SRIKAKULAM TAL CHEP-I/C	2 2	0 917	2671 0	0.0 20.1	49.2 0.0	-49.2 20.1
5	400 kV 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	1	71/	0	0.0	0.0	20.1 0.0
	220 K	BALEWELA-CITER-SILERRO	-		ER-SR	0.0	85.7	-85.7
Impor	rt/Export of ER (V	Vith NER)				v.V		
1		BINAGURI-BONGAIGAON	2	0	391	0.0	4.8	-4.8
2		ALIPURDUAR-BONGAIGAON	2	0	229	0.0	3.8	-3.8
3	220 kV	ALIPURDUAR-SALAKATI	2	0	75 ED MED	0.0	1.3	-1.3
Y		(Wist ND)			ER-NER	0.0	9.8	-9.8
ппрог	rt/Export of NER HVDC	(WITH NR) BISWANATH CHARIALI-AGRA	,	0	702	0.0	12.2	-12.2
11	пурс	DISWANATH CHARIALI-AGRA		U	NER-NR	0.0	12.2	-12.2 -12.2
Impor	rt/Export of WR (	With NR)				0.0	12.2	-12.2
1		CHAMPA-KURUKSHETRA	2	0	1250	0.0	45.8	-45.8
2	HVDC	VINDHYACHAL B/B		445	495	1.5	6.1	-4.6
3		MUNDRA-MOHINDERGARH	2	0	1921	0.0	38.8	-38.8
4		GWALIOR-AGRA	2	0	2622	0.0	49.0	-49.0
5		PHAGI-GWALIOR	2	0	1822	0.0	27.9	-27.9
7		JABALPUR-ORAI GWALIOR-ORAI	<u>2</u>	0	1106	0.0	39.8	-39.8
8		SATNA-ORAI	1	697	0 1477	10.7 0.0	0.0 31.0	10.7 -31.0
9		CHITORGARH-BANASKANTHA	2	0	766	0.0	10.3	-10.3
10		ZERDA-KANKROLI	í	38	148	0.0	1.2	-1.2
11		ZERDA -BHINMAL	1	67	309	0.0	2.8	-2.8
12		VINDHYACHAL -RIHAND	1	983	0	22.6	0.0	22.6
13		RAPP-SHUJALPUR	2	0	502	0.0	5.8	-5.8
14		BHANPURA-RANPUR	1	0	143	0.0	2.0	-2.0
15		BHANPURA-MORAK	1	11	0	0.2	0.4	-0.2
16		MEHGAON-AURAIYA	1	103	0	0.4	0.0	0.4
17 18	220 kV 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1	61	10	1.1 0.0	0.0	1.1 0.0
19		RAJGHAT-LALITPUR	2	Ů	0	0.0	0.0	0.0
	102 K	The state of the s	-	· · · · · · · · · · · · · · · · · · ·	WR-NR	36.4	260.8	-224.4
Impor	rt/Export of WR (	With SR)			•			
1		BHADRAWATI B/B		0	992			
						0.0	13.2	-13.2
- 4		RAIGARH-PUGALUR	2	0	1541	0.0	32.2	-32.2
3	765 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2	471	1541 2114	0.0	32.2 22.8	-32.2 -22.8
4	765 kV 765 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2	471 131	1541 2114 1960	0.0 0.0 0.0	32.2 22.8 21.2	-32.2 -22.8 -21.2
<u>4</u> 5	765 kV 765 kV 400 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2	471 131 640	1541 2114 1960 0	0.0 0.0 0.0 8.2	32.2 22.8 21.2 0.0	-32.2 -22.8 -21.2 8.2
4	765 kV 765 kV 400 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2	471 131	1541 2114 1960 0	0.0 0.0 0.0 8.2 0.0	32.2 22.8 21.2 0.0 0.0	-32.2 -22.8 -21.2 8.2 0.0
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2	471 131 640 0	1541 2114 1960 0 0 0 45	0.0 0.0 0.0 8.2	32.2 22.8 21.2 0.0	-32.2 -22.8 -21.2 8.2
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2	471 131 640 0	1541 2114 1960 0 0	0.0 0.0 0.0 8.2 0.0	32.2 22.8 21.2 0.0 0.0	-32.2 -22.8 -21.2 8.2 0.0 0.0
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1	471 131 640 0	1541 2114 1960 0 0 0 45 WR-SR	0.0 0.0 0.0 8.2 0.0 0.0	32.2 22.8 21.2 0.0 0.0 0.0	-32.2 -22.8 -21.2 8.2 0.0 0.0 0.6
4 5 6	765 kV 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 1 1 1	471 131 640 0 1 1 1	1541 2114 1960 0 0 0 45 WR-SR	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4	-32.2 -22.8 -21.2 8.2 0.0 0.0 0.6 -80.7
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 1 1 1 1 INTER	471 131 640 0 1 1 1 NATIONAL EXCHA!	1541 2114 1960 0 0 0 45 WR-SR	0.0 0.0 0.0 8.2 0.0 0.0	32.2 22.8 21.2 0.0 0.0 0.0	-32.2 -22.8 -21.2 8.2 0.0 0.0 0.6
4 5 6	765 kV 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 1 1 1 INTER Line 400kV MANGDECHH	471 131 640 0 1 1  NATIONAL EXCHA! Name U-ALIPURDUAR 1&2	1541 2114 1960 0 0 0 45 WR-SR	0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.6 8.8	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW)	32.2 -22.8 -21.2 8.2 0.0 0.0 0.6 -80.7
4 5 6	765 kV 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 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE	471 131 6440 0 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from	1541 2114 1960 0 0 0 45 WR-SR	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4	-32.2 -22.8 -21.2 -8.2 -0.0 -0.0 -80.7 Energy Exchange
4 5 6	765 kV 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 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR NER MANGDECHH HEP 4 MANGDECHH HEP 4	471 131 640 0 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 180MW)	1541 2114 1960 0 0 0 45 WR-SR	0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.6 8.8	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW)	32.2 -22.8 -21.2 8.2 0.0 0.0 0.6 -80.7
4 5 6	765 kV 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 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAG	471 131 640 0 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from 180MW) RI 1,24 (& 400KV	1541 2114 1960 0 0 0 45 WR-SR WGES Max (MW)	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW)	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW)	-32,2 -22,8 -21,2 -8,2 -0,0 -0,6 -80,7 Energy Exchange (MII) -6.5
4 5 6	765 kV 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 1 1 1 INTER Line 400kV MANGDECHH Le. ALIPURDUAR RE- MANGDECHL HEIVA 400kV TALBINAGU MALBASE - BINAGU MALBASE - BINAGU	471 131 640 0 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR I&2 CEIPT (from *180MW) RI 1,2,4 (& 400kV R) i.e. BINAGURI HEP (6*170MW)	1541 2114 1960 0 0 0 45 WR-SR	0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.6 8.8	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW)	32.2 -22.8 -21.2 8.2 0.0 0.0 0.6 -80.7
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TALA RECEIPT (from TALA	471 131 640 0 1 1 1 1 NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from = 180MW) IRI 1,2.4 (& 400KV R) R,2.4 (& 400KV R) R,2.4 (& 400KV R) R 1,2.4 (A 400KV R) R 1,2.4 (A 400KV R) R 1,2.4 (A 400KV R)	J 541 2114 1960 0 0 0 45 WR-SR NGES Max (MW) 263	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW)	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW)	32.2 22.8 22.1.2 8.2 0.0 0.6 -80.7 Energy Exchange (MII) 6.5
4 5 6	765 kV 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 1 1 1 INTER Line 400KV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA BINAGG MALBASE - BINAGU RECEIPT (from TALA 220KV CHUKHA-BIR MALBASE - BIRPAR.	471 131 640 0 1 1 1 1 1 NATIONAL EXCHA! Name 180MW) RI 1,2,4 (8400kV RI) i.e. BINAGURI LEP (6470MW) 2ARA 1&2 (&220kV ) i.e. BIRPARA	1541 2114 1960 0 0 0 45 WR-SR WGES Max (MW)	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW)	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW)	-32,2 -22,8 -21,2 -8,2 -0,0 -0,6 -80,7 Energy Exchange (MII) -6.5
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TALA RECEIPT (from TALA	471 131 640 0 1 1 1 1 1 NATIONAL EXCHA! Name 180MW) RI 1,2,4 (8400kV RI) i.e. BINAGURI LEP (6470MW) 2ARA 1&2 (&220kV ) i.e. BIRPARA	J 541 2114 1960 0 0 0 45 WR-SR NGES Max (MW) 263	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW)	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW)	32.2 22.8 22.1.2 8.2 0.0 0.6 -80.7 Energy Exchange (MII) 6.5
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400KV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA BINAGG MALBASE - BINAGU RECEIPT (from TALA 220KV CHUKHA-BIR MALBASE - BIRPAR.	471 131 640 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J 541 2114 1960 0 0 0 45 WR-SR NGES Max (MW) 263	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW)	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW)	32.2 22.8 22.1.2 8.2 0.0 0.6 -80.7 Energy Exchange (MII) 6.5
4 5 6	765 kV 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  ER	2 2 2 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU ECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR. RECEIPT (from CHUE	471 131 640 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1541 2114 1960 0 0 0 45 WR-SR WGES Max (MW) 263 449	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW) 262	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449	32.2 22.8 22.12 8.2 0.0 0.6 -80.7 Energy Exchange (MII) 6.5
4 5 6	765 kV 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 ER ER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Le ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TALL RECEIPT (from CHU MALBASE - BIRPAR, MALBASE - B	471 131 649 0 1 1 1 1 1 NATIONAL EXCHA! NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2.4 (& 400kV RI 1,2.4 (& 400kV RI 1,2.4 (& 400kV APARA 1&2 (& 220kV A) i.e. BIRPARA (HA HEP 4*84MW) - SALAKATI	J 541 2114 1960 0 0 0 45 WR-SR Max (MW) 263 449	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW) 262 428	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449	3.2.2 22.8 22.1.2 8.2 0.0 0.0 0.6 -80.7 Energy Exchange (MII) 6.5
4 5 6	765 kV 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  ER	2 2 2 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU ECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR. RECEIPT (from CHUE	471 131 649 0 1 1 1 1 1 NATIONAL EXCHA! NATIONAL EXCHA! Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) RI 1,2.4 (& 400kV RI 1,2.4 (& 400kV RI 1,2.4 (& 400kV APARA 1&2 (& 220kV A) i.e. BIRPARA (HA HEP 4*84MW) - SALAKATI	1541 2114 1960 0 0 0 45 WR-SR WGES Max (MW) 263 449	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW) 262	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449	32.2 22.8 22.12 8.2 0.0 0.6 -80.7 Energy Exchange (MII) 6.5
4 5 6	765 kV 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 ER ER NER	2 2 2 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGU MALBASE - BINAGU ECEIPPI (from TALA 220kV CHUKITA BIR RECEIPT (from CHU 132kV-GEYLEGPHU 132kV Motanga-Rangi	471 131 640 0 1 1 1 1 1 1 NATIONAL EXCHA! Name 180MW) RI 1,24 (4400kV RI) i.e. BINAGURI HEP (6*170MW) *ARA 1&2 (& 220kV ) i.e. BIRPAGURI KHA HEP 4*84MW) - SALAKATI	J 541 2114 1960 0 0 0 45 WR-SR Max (MW) 263 449	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW) 262 428	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449	3.2.2 22.8 22.1.2 8.2 0.0 0.0 0.6 -80.7 Energy Exchange (MII) 6.5
4 5 6	765 kV 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 ER ER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TALA ZÜNKY CHIKHA-BIRI MALBASE - BIRYAGU RECEIPT (from CHU 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N	471 131 640 0 1 1 1 1 131 640 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J 541 2114 1960 0 0 0 45 WR-SR Max (MW) 263 449	0.0 0.0 0.0 8.2 0.0 0.0 0.6 8.8 Min (MW) 262 428	32.2 22.8 21.2 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449	3.2.2 22.8 22.1.2 8.2 0.0 0.0 0.6 -80.7 Energy Exchange (MII) 6.5
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDENI-AMBEWADI  Region  ER  ER  ER  NER	2 2 2 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA BINAGU MALBASE - BINAGU ECEIPPI (from TALA 220kV CHUKITA BIR RECEIPT (from CHU 132kV-GEYLEGPHU 132kV Motanga-Rangi	471 131 640 0 1 1 1 1 131 640 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1541 2114 1960 0 0 0 45 WR-SR WGES Max (MW) 263 449 160	0.0 0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.6 8.8 Min (MW) 262 428 0	32.2 22.8 21.2 0.0 0.0 0.0 0.0 0.0 89.4 Avg (MW)  263 449 129 -19	32.2 22.8 22.1.2 8.2 0.0 0.6 -80.7 Energy Exchange (MII) 6.5 11.0
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region ER ER ER NER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU RECEPT (from TALA 200kV TALA-BINAGU RECEPT (from CHUI 132kV-GEYLEGPHU 132kV-Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR(	471 131 649 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J 541 2114 1960 0 0 0 45 WR-SR Max (MW) 263 449 160 -28	0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.0 8.8 8.8 Min (MW) 262 428 0 -8	32.2 22.8 21.2 0.0 0.0 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449 129 -19 -31	3.2.2 -22.8 -21.2 -2.1.2 -0.0 -0.0 -0.0 -80.7  Energy Exchange (MII) -6.5 -11.0 -0.5 -0.8
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDENI-AMBEWADI  Region  ER  ER  ER  NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TALA ZÜNKY CHIKHA-BIRI MALBASE - BIRYAGU RECEIPT (from CHU 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N	471 131 649 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1541 2114 1960 0 0 0 45 WR-SR WGES Max (MW) 263 449 160	0.0 0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.6 8.8 Min (MW) 262 428 0	32.2 22.8 21.2 0.0 0.0 0.0 0.0 0.0 89.4 Avg (MW)  263 449 129 -19	32.2 22.8 22.1.2 8.2 0.0 0.6 -80.7 Energy Exchange (MII) 6.5 11.0
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region ER ER ER NER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU RECEPT (from TALA 200kV TALA-BINAGU RECEPT (from CHUI 132kV-GEYLEGPHU 132kV-Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR(	471 131 649 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J 541 2114 1960 0 0 0 45 WR-SR Max (MW) 263 449 160 -28	0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.0 8.8 8.8 Min (MW) 262 428 0 -8	32.2 22.8 21.2 0.0 0.0 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449 129 -19 -31	3.2.2 -22.8 -21.2 -2.1.2 -0.0 -0.0 -0.0 -80.7  Energy Exchange (MII) -6.5 -11.0 -0.5 -0.8
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region ER ER ER NER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGG MALBASE - BINAGU MALBASE - BINAGU 132kV-CHUKHA-BIRI 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDBANAGAR	471 131 649 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J 541 2114 1960 0 0 0 45 WR-SR Max (MW) 263 449 160 -28	0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.0 8.8 8.8 Min (MW) 262 428 0 -8	32.2 22.8 21.2 0.0 0.0 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449 129 -19 -31	32.2 22.8 22.1.2 21.2 20.0 0.0 0.0 0.6 80.7  Energy Exchange (MII) 6.5  11.0  3.1  -0.5
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI  Region  ER  ER  ER  NER  NER  NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGG MALBASE - BINAGU MALBASE - BINAGU 132kV-CHUKHA-BIRI 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDBANAGAR	471 131 640 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1541 2114 1960 0 0 0 45 WR-SR  WR-SR  449 160 -28 -38 -14 -128	0.0 0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.0 0.6 8.8 Min (MW) 262 428 0 -8 -14	32.2 22.8 21.2 22.8 21.2 0.0 0.0 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449 129 -19 -31 -1	32.2 22.8 22.1.2 8.2 0.0 0.6 0.6 80.7 Energy Exchange (MII) 6.5 11.0 3.1 -0.5
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  NER  NER  NER  NER  ER  ER  ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH 400kV MANGDECHU 400kV MANGDECHU 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA- 220kV CHUKHA-BIR 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR MAHENDRANAGPH 132kV-TANAKPUR MAHENDRANAGAR (132kV-BIHAR - NEP/	471 131 649 0 1 1 1 1 1 NATIONAL EXCHA! NATIONAL EXCHA! NAME U-ALIPURDUAR 1&2 CEIPT (from 180MW) RI 1,24 (& 400KV RI 1,24 (&	J 541 2114 1960 0 0 0 45 WR-SR  NGES  Max (MW) 263 449 160 -28 -38 -14 -128	0.0 0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.0 8.8 Min (MW) 262 428 0 -8 -14 0 -1 -2	32.2 22.8 21.2 20.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	32.2 22.8 22.1.2 21.2 8.2 0.0 0.0 0.0 80.7 Energy Exchange (MII) 6.5 11.0 3.1 -0.5 -0.8
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI  Region  ER  ER  ER  NER  NER  NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH ie. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGG MALBASE - BINAGU MALBASE - BINAGU 132kV-CHUKHA-BIRI 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDBANAGAR	471 131 649 0 1 1 1 1 1 NATIONAL EXCHA! NATIONAL EXCHA! NAME U-ALIPURDUAR 1&2 CEIPT (from 180MW) RI 1,24 (& 400KV RI 1,24 (&	1541 2114 1960 0 0 0 45 WR-SR  WR-SR  449 160 -28 -38 -14 -128	0.0 0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.0 0.6 8.8 Min (MW) 262 428 0 -8 -14	32.2 22.8 21.2 22.8 21.2 0.0 0.0 0.0 0.0 0.0 0.0 89.4 Avg (MW) 263 449 129 -19 -31 -1	32.2 22.8 22.12 8.2 0.0 0.0 0.6 -80.7  Energy Exchange (MII) 6.5 11.0 3.1 -0.5
4 5 6	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  NER  NER  NER  NER  ER  ER  ER	2 2 2 1 1 INTER Line 400KV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-GHUKHA BIR AGECIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR MAHENDRANAGAR 132KV-TANAKPUR BHERAMARA HVDC	471 131 640 0 1 1 1 1 1 1 NATIONAL EXCHA! NATIONAL EXCHA! NAME U-ALIPURDUAR 1&2 CEIPT (from 180MW) IRI 1,2,4 (& 400KV RI	J 541 2114 1960 0 0 0 45 WR-SR  NGES  Max (MW) 263 449 160 -28 -38 -14 -128	0.0 0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.0 8.8 Min (MW) 262 428 0 -8 -14 0 -1 -2	32.2 22.8 21.2 20.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.2.2 -22.8 -21.2 -8.2 -0.0 -0.0 -0.5 -0.5 -0.8 -0.8 -0.8 -0.5 -0.8 -0.5 -0.8 -0.5
4 5 6 7 8 8	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 8 State	RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  Region  ER  ER  NER  NER  NER  NER  ER  ER  ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Lee ALIPURDUAR MA MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALL 220kV CHUKHA-BIR MALBASE - BIRAGU 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR( 132kV-BIHAR - NEP/ 220kV-MUZAFFARP( BHERAMARA HVDC 132kV-SURAJMANI 1	471 131 649 0 1 1 1 1 NATIONAL EXCHA! Name UALIPURDUAR 1&2 CEIPT (from ** 180MW) RI 1,24 (& 400kV RI 1,24 (& 400kV RI 1,24 (& 400kV ALP (** 180MW) - 180MW) - 180MW -	J 541 2114 1960 0 0 0 45 WR-SR  NGES  Max (MW) 263 449 160 -28 -38 -14 -128	0.0 0.0 0.0 0.0 8.2 0.0 0.0 0.0 0.0 8.8 Min (MW) 262 428 0 -8 -14 0 -1 -2	32.2 22.8 21.2 20.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.2.2 -22.8 -21.2 -8.2 -0.0 -0.0 -0.5 -0.5 -0.8 -0.8 -0.8 -0.5 -0.8 -0.5 -0.8 -0.5
4 5 6 7 8 8	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOHAPUR-CHIKODI PONDA-AMBEWADI  Region  ER  ER  NER  NER  NER  NER  ER  ER  ER	2 2 2 1 1 INTER Line 400KV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU 132KV-GHUKHA BIR AGECIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR MAHENDRANAGAR 132KV-TANAKPUR BHERAMARA HVDC	471 131 649 0 1 1 1 1 NATIONAL EXCHA! Name UALIPURDUAR 1&2 CEIPT (from ** 180MW) RI 1,24 (& 400kV RI 1,24 (& 400kV RI 1,24 (& 400kV ALP (** 180MW) - 180MW) - 180MW -	1541 2114 1960 0 0 0 45 WR-SR  WGES  Max (MW) 263 449 160 -28 -38 -14 -128 -67	0.0 0.0 0.0 0.0 8.2 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	32.2 22.8 21.2 22.8 21.2 22.8 21.2 22.8 21.2 21.2	32.2 22.8 22.1.2 8.2 0.0 0.6 0.6 -80.7  Energy Exchange (MII) 6.5 11.0 3.1 -0.5 -0.8
4 5 6 7 8 8	765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOHAPUR-KUDGI KOHAPUR-CHIKODI PONDA-AMBEWADI  Region  ER  ER  NER  NER  NER  NER  ER  ER  ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHH Lee ALIPURDUAR MA MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALL 220kV CHUKHA-BIR MALBASE - BIRAGU 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR( 132kV-BIHAR - NEP/ 220kV-MUZAFFARP( BHERAMARA HVDC 132kV-SURAJMANI 1	471 131 640 0 1 1 1 131 6440 1 1 1 1 1 131 6440 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1541 2114 1960 0 0 0 45 WR-SR  WGES  Max (MW) 263 449 160 -28 -38 -14 -128 -67	0.0 0.0 0.0 0.0 8.2 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	32.2 22.8 21.2 22.8 21.2 22.8 21.2 22.8 21.2 21.2	32.2 22.8 22.1.2 8.2 0.0 0.6 0.6 -80.7  Energy Exchange (MII) 6.5 11.0 3.1 -0.5 -0.8