

# 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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 11<sup>th</sup> Mar 2020

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.,२९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

## Sub: Daily PSP Report for the date 10.03.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-मार्च-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 10<sup>th</sup> Mar 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 11-Mar-2020

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	30215	37065	42618	14586	2188	126672
Peak Shortage (MW)	568	0	0	0	79	647
Energy Met (MU)	675	980	1075	316	38	3084
Hydro Gen (MU)	125	39	78	24	6	271
Wind Gen (MU)	33	79	25	-	-	137
Solar Gen (MU)*	35.53	25.40	99.17	1.48	0.04	162
Energy Shortage (MU)	11.3	0.0	0.0	0.0	0.6	12
Maximum Demand Met during the day (MW) & time	34869	46894	49599	16148	2238	144098
(from NLDC SCADA)	09:22	11:25	09:26	18:40	18:07	07:28

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.041	0.00	0.00	0.43	0.43	61.70	37.87

C. Power Supply Position in States

Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU
	Punjab	3903	0	69.5	54.7	-2.8	105	0.0
	Haryana	4032	0	69.1	62.9	0.2	260	0.0
	Rajasthan	10319	0	173.4	27.9	-4.9	353	0.0
	Delhi	2292	0	45.6	34.4	-0.3	250	0.0
NR	UP	10920	0	223.1	117.4	-0.9	518	0.0
	Uttarakhand	1236	0	24.3	12.3	0.1	249	0.0
	HP	1116	0	19.7	12.9	-0.5	102	0.0
	J&K(UT) and Ladakh(UT)	2274	568	47.9	40.8	-1.1	179	11.2
	Chandigarh	162	0	2.8	3.0	-0.3	14	0.0
	Chhattisgarh	2711	0	69.6	24.2	-2.3	247	0.0
	Gujarat	12267	0	253.8	80.7	-1.7	559	0.0
	MP	10143	0	195.8	92.4	-1.3	459	0.0
WR	Maharashtra	19785	0	430.1	126.4	-1.8	630	0.0
WK	Goa	398	0	8.8	8.4	-0.1	44	0.0
	DD	272	0	3.9	3.8	0.1	17	0.0
	DNH	753	0	12.5	12.5	0.0	66	0.0
	Essar steel	713	0	5.8	6.1	-0.3	299	0.0
	Andhra Pradesh	9112	0	189.2	85.8	0.6	381	0.0
	Telangana	11138	0	222.6	116.0	0.9	734	0.0
SR	Karnataka	12753	0	248.6	84.9	1.2	748	0.0
311	Kerala	3963	0	81.1	63.7	2.0	207	0.0
	Tamil Nadu	14596	0	326.4	178.3	0.6	701	0.0
	Pondy	341	0	7.1	7.5	-0.4	44	0.0
	Bihar	3493	0	66.1	61.7	-2.8	350	0.0
	DVC	2651	0	51.5	-28.3	0.9	315	0.0
ER	Jharkhand	1223	0	23.9	16.2	-1.0	353	0.0
EN	Odisha	3653	0	72.4	14.1	-0.1	344	0.0
	West Bengal	5606	0	101.1	24.2	0.7	255	0.0
	Sikkim	88	0	1.1	1.5	-0.4	4	0.0
	Arunachal Pradesh	112	3	2.1	2.1	0.0	29	0.0
	Assam	1219	74	20.7	15.4	0.4	149	0.5
	Manipur	186	3	2.5	2.5	0.0	26	0.0
NER	Meghalaya	323	4	5.4	3.6	0.2	66	0.1
	Mizoram	103	4	1.6	1.3	0.0	19	0.0
	Nagaland	108	3	2.0	1.9	0.1	11	0.0
	Tripura	221	13	3.4	1.3	0.3	39	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-5.1	-16.8
Day peak (MW)	299.9	-347.0	-1080.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	126.4	-242.3	173.7	-62.2	4.5	0.1
Actual(MU)	97.1	-263.2	222.7	-64.2	8.2	0.7
O/D/U/D(MU)	-29.3	-20.9	49.1	-2.1	3.8	0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5397	13551	5712	1200	1090	26950
State Sector	20865	18459	7525	5512	11	52372
Total	26262	32010	13237	6712	1101	79322

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	311	1010	515	373	10	2220
Lignite	16	12	46	0	0	73
Hydro	125	39	78	24	6	271
Nuclear	24	37	45	0	0	105
Gas, Naptha & Diesel	23	42	18	0	19	101
RES (Wind, Solar, Biomass & Others)	95	116	157	2	0	370
Total	594	1255	858	398	34	3140

Share of RES in total generation (%)	15.96	9.28	18.34	0.39	0.12	11.79
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.07	15.29	32.62	6.36	16.23	23.78

H. All India Demand Diversity Factor

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Based on Regional Max Demands	1.039
Based on State Max Demands	1.070

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

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

#### **INTER-REGIONAL EXCHANGES**

Max Import (MW) Max Export (MW)

Circuit

Si No Voltage Level Line Details

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 11-Mar-20

NET (MU)

Export (MU)

Import (MU)

1	ort/Export of ER	(With NR)						
	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.3	-6.3
_		GAYA-VARANASI						
3	765 kV		D/C	152	314	0.0	0.7	-0.7
4	765 kV	SASARAM-FATEHPUR	S/C	193	87	1.7	0.0	1.7
5	765 kV	GAYA-BALIA	S/C	0	222	0.0	3.3	-3.3
6	400 kV	PUSAULI-VARANASI	S/C	0	231	0.0	5.0	-5.0
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	87	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	227	445	0.0	0.7	-0.7
9	400 kV	PATNA-BALIA	Q/C	0	653	0.0	7.3	-7.3
10	400 kV	BIHARSHARIFF-BALIA	D/C	52	240	0.0	1.2	-1.2
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	234	0.0	3.8	-3.8
12	400 kV	BIHARSHARIFF-VARANASI	D/C	269	121	2.6	0.0	2.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	129	0.0	2.5	-2.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			S/C	30	0			
_	132 kV	GARWAH-RIHAND				0.3	0.0	0.3
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	4.6	31.9	-27.3
Impo	ort/Export of ER	(With WR)						
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2116	0	42.5	0.0	42.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1050	80	7.4	0.0	7.4
_								
3	765 kV	JHARSUGUDA-DURG	D/C	230	48	1.4	0.0	1.4
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	417	0	4.7	0.0	4.7
-								
5	400 kV	RANCHI-SIPAT	D/C	392	0	3.4	0.0	3.4
6	220 kV	BUDHIPADAR-RAIGARH	S/C	74	48	0.1	0.0	0.1
7	220 kV	BUDHIPADAR-KORBA	D/C	140	0	2.5	0.0	2.5
Ľ	ZZU KV	DODNIFADAR-RURDA	DIC	140			0.0	
<u></u>					ER-WR	61.9	0.0	61.9
_	ort/Export of ER						ı	ı
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	683	0.0	15.9	-15.9
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2472	0.0	50.0	-50.0
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2707	0.0	56.3	-56.3
4	400 kV	TALCHER-I/C	D/C	0	1476	0.0	21.7	-21.7
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
1	ZZU KV	DOLIMELA-UPPER-SILEKKU	3/6	1				
le:	at/Eur 1 ==	ONIGH NED)			ER-SR	0.0	122.1	-122.1
_	ort/Export of ER		•					
1	400 kV	BINAGURI-BONGAIGAON	D/C	0	440	0.0	4.5	-4.5
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	586	0.0	6.0	-6.0
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	119	0.0	1.2	-1.2
					ER-NER	0.0	11.7	-11.7
Impo	ort/Export of NE	R (With NR)						1
1					500		0.4	
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	3.1	-3.1
					NER-NR	0.0	3.1	-3.1
Impo	ort/Export of WR	(With NR)						
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	174	0.0	6.7	-6.7
2	HVDC	V'CHAL B/B	D/C	449	0	12.2	0.0	12.2
3	HVDC	APL -MHG	D/C	0	1079	0.0	22.7	-22.7
4	765 kV	GWALIOR-AGRA	D/C	0	1903	0.0	32.5	-32.5
5	765 kV	PHAGI-GWALIOR	D/C	0	1125	0.0	10.7	-10.7
6		JABALPUR-ORAI	D/C	0	592	0.0	19.1	-19.1
	765 kV							
7	765 kV	GWALIOR-ORAI	S/C	448	0	6.7	0.0	6.7
8	765 kV	SATNA-ORAI	S/C	0	1204	0.0	24.9	-24.9
9	765 kV	CHITORGARH-BANASKANTHA	D/C	208	616	0.0	2.9	-2.9
10	400 kV	ZERDA-KANKROLI	S/C	217	30	1.9	0.0	1.9
11	400 kV	ZERDA -BHINMAL	S/C	425	86	4.2	0.0	4.2
12	400 kV	V'CHAL -RIHAND	S/C	970	0	21.6	0.0	21.6
13	400 kV	RAPP-SHUJALPUR	D/C	255	152	1.0	0.0	1.0
14	220 kV		S/C	30	63	0.2	0.6	-0.3
		BHANPURA-RANPUR						
15	220 kV	BHANPURA-MORAK	S/C	15	84	0.0	1.0	-0.9
16	220 kV	MEHGAON-AURAIYA	S/C	66	9			
17	220 kV	MALANPUR-AURAIYA	S/C	35		0.6	0.0	0.6
18	132 kV	GWALIOR-SAWAI MADHOPUR			29	0.6 0.2	0.0 0.1	
		OTTALION-DATTAL MADITOL ON	S/C	0	29 0			0.6
Impo		OWALION-DAWAI MADITOT ON	S/C			0.2	0.1	0.6 0.1
	ort/Export of WR		S/C		0	0.2	0.1 0.0	0.6 0.1 0.0
1	ort/Export of WR		S/C		0	0.2	0.1 0.0	0.6 0.1 0.0
1		(With SR) BHADRAWATI B/B		0	0 WR-NR	0.2 0.0 48.7	0.1 0.0 121.2	0.6 0.1 0.0 -72.5
2	HVDC	(With SR) BHADRAWATI B/B BARSUR-L.SILERU	-	0 0	0 WR-NR 1006 0	0.2 0.0 48.7 0.0	0.1 0.0 121.2 22.7 0.0	0.6 0.1 0.0 -72.5 -22.7 0.0
3	HVDC HVDC 765 kV	(With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	- - D/C	0 0 0	0 WR-NR 1006 0 2927	0.2 0.0 48.7 0.0 0.0	0.1 0.0 121.2 22.7 0.0 53.8	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8
3 4	HVDC HVDC 765 kV 765 kV	(With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	- - D/C D/C	0 0 0 0	0 WR-NR 1006 0 2927 3041	0.2 0.0 48.7 0.0 0.0 0.0	0.1 0.0 121.2 22.7 0.0 53.8 60.5	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5
2 3 4 5	HVDC HVDC 765 kV 765 kV 400 kV	(With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	- - D/C D/C	0 0 0 0 0	0 WR-NR 1006 0 2927 3041	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 6.1	0.1 0.0 121.2 22.7 0.0 53.8 60.5	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1
2 3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	(With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI	- - D/C D/C D/C	0 0 0 0 0 606	0 WR-NR 1006 0 2927 3041 0	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 6.1	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C D/C D/C D/C D/C S/C	0 0 0 0 0 606	0 WR-NR 1006 0 2927 3041 0 0	0.2 0.0 48.7 0.0 0.0 0.0 0.0 6.1 0.0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0
2 3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	(With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI	- - D/C D/C D/C	0 0 0 0 0 606	0 WR-NR 1006 0 2927 3041 0 0 54 78	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 6.1	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C D/C D/C D/C D/C S/C	0 0 0 0 0 606	0 WR-NR 1006 0 2927 3041 0 0	0.2 0.0 48.7 0.0 0.0 0.0 0.0 6.1 0.0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI		0 0 0 0 0 606 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR	0.2 0.0 48.7 0.0 0.0 0.0 0.0 6.1 0.0 0.0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI		0 0 0 0 0 606	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR	0.2 0.0 48.7 0.0 0.0 0.0 0.0 6.1 0.0 0.0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI		0 0 0 0 0 606 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR	0.2 0.0 48.7 0.0 0.0 0.0 0.0 6.1 0.0 0.0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region	- DIC DIC DIC DIC DIC SIC SIC INTERI	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUIGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR	0.2 0.0 48.7 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region  ER	- DIC DIC DIC DIC DIC SIC SIC INTERI Line DAGACHU (2 * 63	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR GES	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW)	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region	- DIC DIC DIC DIC SIC SIC SIC Line DAGACHU (2 * 63 CHUKA (4 * 84 ) B	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region  ER	- DIC DIC DIC DIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHHU (4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR GES	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW)	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L-SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region  ER  ER	DIC DIC DIC DIC DIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGBECHHU (4 ALIPURDUAR REC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR IGES	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L-SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region  ER  ER	- DIC DIC DIC DIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHHU (4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR IGES	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L-SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-RUDGI  KOLHAPUR-RUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  REGION  ER  ER  ER	DIC DIC DIC DIC SIC SIC SIC SIC INTERL Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHHU (4 ALIPURDUAR REC TALA (6 * 170) BI	0 0 0 0 0 606 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT x 180) EIPT NAGURI RECEIPT	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR GES Max (MW) 0 0	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 1.1 0.0 138.2  Avg (MW) 0 -44 96	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 2.3
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L-SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUDGI  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  REGION  ER  ER	DIC DIC DIC DIC DIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGBECHHU (4 ALIPURDUAR REC	0 0 0 0 0 606 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT x 180) EIPT NAGURI RECEIPT	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR (GES Max (MW) 0	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -444	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-GHIKODI PONDA-AMBEWADI  REGION ER ER ER ER ER	DIC DIC DIC DIC DIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHHU (4 ALIPURDUAR REC TALA (6 * 170) BI 132KV-SALAKATI	0 0 0 0 0 606 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT x 180) EIPT NAGURI RECEIPT	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR GGES Max (MW) 0 0 101 90	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5  Min (MW) 0 0 100 22	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 138.2  Avg (MW) 0 -44 96 47	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 -2.3 -1.1 -0.2
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L-SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-RUDGI  KOLHAPUR-RUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  REGION  ER  ER  ER	DIC DIC DIC DIC DIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHHU (4 ALIPURDUAR REC TALA (6 * 170) BI 132KV-SALAKATI 132KV-RANGIA - E	0 0 0 0 0 0 606 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT x 180) EIPT NAGURI RECEIPT - GELEPHU	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR GES Max (MW) 0 0	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 1.1 0.0 138.2  Avg (MW) 0 -44 96	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 2.3
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-GHIKODI PONDA-AMBEWADI  REGION ER ER ER ER ER	DIC DIC DIC DIC DIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84 ) B MANGDECHHU (4 LIPURDUAR REC TALA (6 * 170 ) BI 132KV-SALAKATI 132KV-RANGIA - E 132KV-Tanakpur(f)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR GGES Max (MW) 0 0 101 90	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5  Min (MW) 0 0 100 22	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 138.2  Avg (MW) 0 -44 96 47	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 -2.3 -1.1 -0.2
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 221 kV BHUTAN	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUIDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  Region  ER  ER  ER  ER  ER  NER  NER  NER	DIC DIC DIC DIC DIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHHU (4 ALIPURDUAR REC TALA (6 * 170) BI 132KV-SALAKATI 132KV-RANGIA - L 132KV-RANGIA - L	0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT - GELEPHU DICHING	0 WR-NR 1006 0 0 2927 3041 0 0 54 78 WR-SR 6GES Max (MW) 0 0 101 90 15 23	0.2 0.0 48.7  0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5  Min (MW) 0 0 100 22 0 0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8 -7	0.6 0.1 0.0 -72.5 -22.7 0.0 0.53.8 -60.5 6.1 0.0 1.1 1.5 -130.7  Energy Exchange (MU) 0.0 2.3 1.1 -0.2 -0.2
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 220 kV	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUIGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region  ER  ER  ER  ER  ER  NER  NER	DIC DIC DIC DIC DIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHIU (4 ALIPURDUAR REC TALA (6 * 170) BI 132KV-SALAKATI 132KV-Tanakpur(1 132KV-BIHAR - NE	0 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT - GELEPHU DEOTHANG iH) - 0 0 PAL	0 WR-NR 1006 0 0 2927 3041 0 0 54 78 WR-SR 6GES Max (MW) 0 0 101 90 15 23	0.2 0.0 48.7  0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5  Min (MW) 0 100 22 0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8	0.6 0.1 0.0 -72.5 -22.7 0.0 -53.8 -60.5 6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 2.3 1.1 -0.2
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 221 kV BHUTAN	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  Region  ER  ER  ER  ER  RR  NER  NER  NER  NR  ER	DIC DIC DIC DIC DIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHUR REC TALA (6 * 170) BI 132KV-SALAKATI 132KV-RANGIA - E 132KV-Tanakpur(f Mahendrangar(P) 132KV-BIHAR - N 122KV-BIHAR - N 220KV-MUZAFFAR	0 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT - GELEPHU DEOTHANG iH) - 0 0 PAL	0 WR-NR 1006 0 0 2927 3041 0 0 54 78 WR-SR 6GES Max (MW) 0 0 101 90 15 23 0	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5  Min (MW) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8 -7 0	0.6 0.1 0.0 -72.5 -22.7 -0.0 -53.8 -60.5 6.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 2.3 1.1 -0.2 -0.9 -0.4
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 221 kV BHUTAN	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-KUIDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  Region  ER  ER  ER  ER  ER  NER  NER  NER	DIC DIC DIC DIC DIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHIU (4 ALIPURDUAR REC TALA (6 * 170) BI 132KV-SALAKATI 132KV-Tanakpur(1 132KV-BIHAR - NE	0 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT - GELEPHU DEOTHANG iH) - 0 0 PAL	0 WR-NR 1006 0 0 2927 3041 0 0 54 78 WR-SR 6GES Max (MW) 0 0 101 90 15 23	0.2 0.0 48.7  0.0 0.0 0.0 0.0 0.0 6.1 0.0 0.0 1.5 7.5  Min (MW) 0 0 100 22 0 0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8 -7	0.6 0.1 0.0 -72.5 -22.7 0.0 0.53.8 -60.5 6.1 0.0 1.1 1.5 -130.7  Energy Exchange (MU) 0.0 2.3 1.1 -0.2 -0.2
2 3 4 5 6 7	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 221 kV BHUTAN	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  Region  ER  ER  ER  ER  RR  NER  NER  NER  NR  ER	DIC DIC DIC DIC DIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHUR REC TALA (6 * 170) BI 132KV-SALAKATI 132KV-RANGIA - E 132KV-Tanakpur(f Mahendrangar(P) 132KV-BIHAR - N 122KV-BIHAR - N 220KV-MUZAFFAR	0 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT × 180) IRPARA RECEIPT - GELEPHU DEOTHANG HIP) G) EPAL RPUR -	0 WR-NR 1006 0 0 2927 3041 0 0 54 78 WR-SR 6GES Max (MW) 0 0 101 90 15 23 0	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5  Min (MW) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8 -7 0	0.6 0.1 0.0 -72.5 -22.7 -0.0 -53.8 -60.5 6.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 2.3 1.1 -0.2 -0.9 -0.4
2 3 4 5 6 7 8 8	HVDC HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 220 kV  State	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region  ER  ER  ER  NER  NER  NER  NER  NER	DIC DIC DIC DIC DIC DIC SIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84 ) B MANGDECHHU (4 LIPURDUAR REC TALA (6 * 170 ) BI 132KV-SALAKATI 132KV-SALAKATI 132KV-BIHAR - NE 132KV-BIHAR - NE DHALKEBAR DC Bheramara HVDC(	0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT × 180 EIPT - GELEPHU DELEPT - GELEPHU DELEPT BAIR BAIR BAIR BAIR BAIR BAIR BAIR BAIR	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR (GES Max (MW) 0 101 90 155 23 0 -955 -200	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5  Min (MW) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8 -7 0 -16 -160	0.6 0.1 0.0 -72.5 -22.7 -22.7 -22.7 -25.8 -60.5 -6.1 -0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 -2.3 -1.1 -0.2 -0.2 -0.9 -0.4 -3.8 -14.5
2 3 4 5 6 7 8 8	HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 221 kV BHUTAN	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region  ER  ER  ER  ER  NER  NER  NER  NER  N	DIC DIC DIC DIC DIC DIC SIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84) B MANGDECHIU (4 ALIPURDUAR REC TALA (6 * 170) BI 132KV-SALAKATI 132KV-RANGIA - I 132KV-BIHAR - NE 220KV-MUZAFFAF DHALKEBAR DC DHALKEBAR DC 132KV-SURAJMAI	0 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT x 180) EIPT NAGURI RECEIPT - GELEPHU DEOTHANG NH) G) EPAL RPUR - Bangladesh) NI NAGAR -	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR GES Max (MW) 0 101 90 15 23 0 -95	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5  Min (MW) 0 0 0 0 0 0 100 22 0 0 0 0 0 0 0 0 0 0	0.1 0.0 121.2 22.7 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8 -7 0 -166	0.6 0.1 0.0 -72.5 -22.7 -22.7 -0.0 -53.8 -60.5 -6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 -2.3 -1.1 -0.2 -0.2 -0.9 -0.4 -3.8
2 3 4 5 6 7 8 8	HVDC HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 220 kV  State	(With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  REGION ER ER ER ER NER NER NER NER ER ER ER NER N	DIC DIC DIC DIC DIC DIC SIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84 ) B MANGDECHHU (4 LIPURDUAR REC TALA (6 * 170 ) BI 132KV-SALAKATI 132KV-SALAKATI 132KV-BIHAR - NE 132KV-BIHAR - NE DHALKEBAR DC Bheramara HVDC(	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT × 180) EEIPT NAGURI RECEIPT - GELEPHU JEEPTHANG HH)- G) IPPAL RPUR - Bangladesh) II NAGAR - ADESH)-1	0 WR-NR  1006 0 2927 3041 0 0 54 78 WR-SR  (GES Max (MW) 0 101 90 155 23 0 -95 -200	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5  Min (MW) 0 0 0 0 0 0 100 22 0 0 0 0 1.44 -2666 0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8 -7 0 -16 -160 -602	0.6 0.1 0.0 -72.5 -22.7 -0.0 -53.8 -60.5 -6.1 0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 -0.2 -0.2 -0.9 -0.4 -3.8 -14.5 -1.2
2 3 4 5 6 7 8 8	HVDC HVDC HVDC T65 kV 765 kV 400 kV 220 kV 220 kV 220 kV  State	(With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  WARDHA-NIZAMABAD  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI  Region  ER  ER  ER  NER  NER  NER  NER  NER	DIC DIC DIC DIC DIC SIC SIC SIC SIC INTERI Line DAGACHU (2 * 63 CHUKA (4 * 84 ) B MANGDECHHU (4 LIPURDUAR REC TALA (6 * 170) BI 132KV-SALAKATI 132KV-SALAKATI 132KV-BIHAR - NE 132KV-SURAJMAI DHALKEBAR DC Bheramara HVDC( 132KV-SURAJMAI COMILLA (BANGL	0 0 0 0 0 0 0 0 0 0 0 0 NATIONAL EXCHAN Name ) IRPARA RECEIPT × 180) EIPT NAGURI RECEIPT - GELEPHU DEOTHANG SH) - GEPAL RPUR - Bangladesh) NI NAGAR - ADESH)-1 NI NAGAR -	0 WR-NR 1006 0 2927 3041 0 0 54 78 WR-SR (GES Max (MW) 0 101 90 155 23 0 -955 -200	0.2 0.0 48.7 0.0 0.0 0.0 0.0 0.0 0.0 1.5 7.5  Min (MW) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1 0.0 121.2 22.7 0.0 53.8 60.5 0.0 0.0 1.1 0.0 138.2  Avg (MW) 0 -44 96 47 -8 -7 0 -16 -160	0.6 0.1 0.0 -72.5 -22.7 -22.7 -22.7 -25.8 -60.5 -6.1 -0.0 -1.1 1.5 -130.7  Energy Exchange (MU) 0.0 -1.1 -2.3 -1.1 -0.2 -0.2 -0.9 -0.4 -3.8 -14.5